



**A SPECIAL MEETING  
OF THE WESLACO CITY COMMISSION  
TUESDAY, SEPTEMBER 29, 2020**

NOTICE IS HEREBY GIVEN THAT the City Commission of the City of Weslaco, Texas will hold a Special Meeting on Tuesday, September 29, 2020 at 5:30 p.m. pursuant to Section 551.045 of the Texas Open Meetings Act.

This meeting will be closed to in person attendance by the public. A temporary suspension of the Open Meetings Act to allow telephone or videoconference public meetings has been granted by Governor Greg Abbott. These actions are being taken to mitigate the spread of COVID-19 by avoiding meetings that bring people into a group setting and in accordance with Section 418.016 of the Texas Government Code. The meeting will be recorded and uploaded to the City website following the conclusion of the meeting.

Telephonic conferencing capabilities will be utilized to allow member of the public to participate remotely via Toll Free Dial In Number: 1-888-788-0099; Meeting ID: 986 6097 6486.

Members of the public who wish to participate in Public Comment on an agenda item must send their name, address and phone number via email to [nacantu@weslacotx.gov](mailto:nacantu@weslacotx.gov) by 12:00 pm on September 29, 2020. A staff member will contact you with instructions via phone call to address your public comment.

**I. CALL TO ORDER**

- A. Certification of Public Notice.
- B. Pledge of Allegiance.
- C. Roll Call.

**II. PUBLIC COMMENTS**

The Public Comments portion of the meeting promotes a fair and open process for the governance of the City. This portion of the meeting is not intended to be an extended discussion or a debate and is limited to three minutes for each presenter. Due to the Texas Open Meetings Act, the Mayor and City Commissioners do not reply; they listen. Matters under litigation are not to be addressed and comments regarding specific City employees and elected officials may be prohibited.

The Public may comment on anything on the agenda, however if you comment on something not included on the agenda, the Commission cannot take any formal action until it is placed on an agenda and notice of the meeting is properly posted. Registration for Public Comments must be submitted to the City Secretary before the City Commission meeting is called to order. As the Mayor calls upon those who submitted a registration form with the City Secretary, please step to the podium and state your name and address before beginning your presentation.

**III. NEW BUSINESS**

- A. Discussion and consideration to award the best qualified, most advantageous response to the Request for Qualifications for the City of Weslaco Engineering and Architectural/Surveying



Services for Community Development Block Grant Mitigation (CDBG-MIT) (RFQ No. 2019-20-24) and authorize the Mayor to execute any related documents. Possible action. (Staffed by Airport Department.) Attachment

- B. Discussion and approval on the submission of a Notice of Intent to Apply to the Texas Water Development Board under the Flood Infrastructure Fund 2020 Application Invitation for the Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park - Phase I and authorize the Mayor to execute any related documents. Possible action. (Staffed by City Manager.) Attachment

**IV. ADJOURNMENT**

I hereby certify this **Notice of a Special Meeting of the Weslaco City Commission** was posted in accordance with the Open Meetings Act on the outside bulletin board at City Hall of the City of Weslaco, located at the 255 South Kansas Avenue entrance, visible and accessible to the general public during and after regular working hours. This notice was posted on this 25th day of September on or before 1:00 p.m. 2020, and will remain so posted continuously for at least 72-hours preceding the scheduled time of this meeting in accordance with Chapter 551 of the Texas Government Code.

/s/ Norma A. Cantu, City Secretary

**NOTE:** If any accommodation for a disability is required, please notify the City Secretary Office at (956) 968-3181, Ext. 1001 prior to the meeting date.

**Removed from Bulletin Board**

Date:

Initials:



# Standardized Agenda Request Form

|                                                                                                                                                                                                                                                                                                           |                 |                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|--|
| <b>Date of Meeting:</b><br>September 29, 2020                                                                                                                                                                                                                                                             |                 | <b>Agenda Item No.</b> (to be assigned by CSO):<br>2020-3620 |  |
| <b>From:</b>                                                                                                                                                                                                                                                                                              |                 |                                                              |  |
| <b>Subject:</b><br>Certification of Public Notice.                                                                                                                                                                                                                                                        |                 |                                                              |  |
| <b>Background:</b><br><br>Call to Order, includes the following:<br>A. Certification of Public Notice.<br>B. Pledge of Allegiance.<br>C. Roll Call.                                                                                                                                                       |                 |                                                              |  |
| <b>Funding Source</b> (budget code, if applicable):                                                                                                                                                                                                                                                       |                 |                                                              |  |
| Amount:                                                                                                                                                                                                                                                                                                   | Term of Impact: | Identified in Current Budget:                                |  |
| <b>Additional Action Prompted:</b>                                                                                                                                                                                                                                                                        |                 |                                                              |  |
| <b>If item previously considered, provide date and action by Commission:</b>                                                                                                                                                                                                                              |                 |                                                              |  |
| <b>If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners:</b>                                                                                                                                             |                 |                                                              |  |
| <b>Advisory Review, if any</b> (name of board/committee, date of action, recommendation):                                                                                                                                                                                                                 |                 |                                                              |  |
| Aida Vega<br>Mike Perez                                                                                                                                                                                                                                                                                   |                 | Created/Initiated<br>Final Approval                          |  |
| <b>City Manager Comments:</b><br>Approve.                                                                                                                                                                                                                                                                 |                 |                                                              |  |
| <b>Staff Recommendation:</b><br><br>A. Mayor will Call to Order and certify Public Notice.<br>B. Mayor will lead Pledge of Allegiance; Mayor Pro-Tem may lead Texas Flag.<br>C. City Secretary will call roll.<br>Four or more Commissioners present constitute a Quorum; otherwise, no action may be tak |                 |                                                              |  |
| <b>Attachments, if any:</b><br>Pledge & Mission 2019 updated                                                                                                                                                                                                                                              |                 |                                                              |  |
| <b>Responsibilities upon Approval:</b>                                                                                                                                                                                                                                                                    |                 |                                                              |  |

# City of Weslaco

*"The City on the Grow"*



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

## The Pledge of Allegiance to the Flag

"I PLEDGE ALLEGIANCE TO THE FLAG OF THE UNITED STATES OF AMERICA AND TO THE REPUBLIC FOR WHICH IT STANDS, ONE NATION UNDER GOD, INDIVISIBLE, WITH LIBERTY AND JUSTICE FOR ALL."

## The Pledge of Allegiance to the State Flag

"Honor the Texas flag; I pledge allegiance to thee, Texas, one state under God, one and indivisible."

*\*The pledge was amended by House Bill 1034 during the 80th Legislature with the addition of "one state under God." The revised wording became effective on June 15, 2007.*

## Preamble to the Constitution of the United States of America

We the people of the United States, in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America.

## STATEMENT OF VISION: AN INTERNATIONAL CENTER OF GROWTH

Friendly people with vision, courage and integrity

## STATEMENT OF MISSION: COMMITMENT TO EXCELLENCE IN PUBLIC SERVICE

- \*Positive Attitude of Courtesy & Concern
- \*Doing it Right the First Time
- \*Sensitive to the citizens' needs
- \*Friendly Respect for All
- \*Service without Hassle



# Standardized Agenda Request Form

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------|------------------|------------------------------------------|--------------|------------------------------------------|---------------|-----------------------------------------------|-----------------|-----------------------------|---------------|----------------------------------------------|---------------|----------------------------|---------------|---------------------------------------|---------------|------------------------|---------------|------------------------|---------------|-------------------------|--------------|-------------------------------|---------------|
| <b>Date of Meeting:</b><br>September 29, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Agenda Item No.</b> (to be assigned by CSO):<br>2020-3623 |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| <b>From:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| <b>Subject:</b><br>Discussion and consideration to award the best qualified, most advantageous response to the Request for Qualifications for the City of Weslaco Engineering and Architectural/Surveying Services for Community Development Block Grant Mitigation (CDBG-MIT) (RFQ No. 2019-20-24) and authorize the Mayor to execute any related documents. Possible action. (Staffed by Airport Department.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| <b>Background:</b><br>Request: The City of Weslaco is seeking well-qualified engineering/architectural/surveying service provider(s) to assist the City in preparing application(s) for and in the overall implementation of proposed Community Development Block Grant Disaster Recovery-Mitigation (CDBG-MIT) Program project(s), if funded by the Texas General Land Office (GLO).<br><br>Background: On August 30, 2019, the Texas General Land Office announced via a Federal Register notice the allocation of \$6.875 billion appropriated under P.L. 115-123 in response to 2015, 2016, and 2017 disasters. The State of Texas was allocated \$4,297,189,000 from this appropriation and identified the General Land Office (GLO) as its administrative agency for the funds. The list of CDBG-MIT funded programs and respective budgets are in the CDBG-MIT Allocation Table below.<br><br><table> <tr> <td>Activity</td> <td>Allocated Amount</td> </tr> <tr> <td>2015 Floods State Mitigation Competition</td> <td>\$46,096,950</td> </tr> <tr> <td>2016 Floods State Mitigation Competition</td> <td>\$147,680,760</td> </tr> <tr> <td>Hurricane Harvey State Mitigation Competition</td> <td>\$2,144,776,720</td> </tr> <tr> <td>Regional Mitigation Program</td> <td>\$500,000,000</td> </tr> <tr> <td>Hazard Mitigation Grant Program Supplemental</td> <td>\$170,000,000</td> </tr> <tr> <td>Coastal Resiliency Program</td> <td>\$100,000,000</td> </tr> <tr> <td>Housing Oversubscription Supplemental</td> <td>\$400,000,000</td> </tr> <tr> <td>Resilient Home Program</td> <td>\$100,000,000</td> </tr> <tr> <td>State Project Delivery</td> <td>\$128,915,670</td> </tr> <tr> <td>Hazard Mitigation Plans</td> <td>\$30,000,000</td> </tr> <tr> <td>Resilient Communities Program</td> <td>\$100,000,000</td> </tr> </table> |                                                              | Activity | Allocated Amount | 2015 Floods State Mitigation Competition | \$46,096,950 | 2016 Floods State Mitigation Competition | \$147,680,760 | Hurricane Harvey State Mitigation Competition | \$2,144,776,720 | Regional Mitigation Program | \$500,000,000 | Hazard Mitigation Grant Program Supplemental | \$170,000,000 | Coastal Resiliency Program | \$100,000,000 | Housing Oversubscription Supplemental | \$400,000,000 | Resilient Home Program | \$100,000,000 | State Project Delivery | \$128,915,670 | Hazard Mitigation Plans | \$30,000,000 | Resilient Communities Program | \$100,000,000 |
| Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Allocated Amount                                             |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| 2015 Floods State Mitigation Competition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$46,096,950                                                 |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| 2016 Floods State Mitigation Competition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$147,680,760                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Hurricane Harvey State Mitigation Competition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$2,144,776,720                                              |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Regional Mitigation Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$500,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Hazard Mitigation Grant Program Supplemental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$170,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Coastal Resiliency Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$100,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Housing Oversubscription Supplemental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$400,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Resilient Home Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$100,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| State Project Delivery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$128,915,670                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Hazard Mitigation Plans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$30,000,000                                                 |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |
| Resilient Communities Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$100,000,000                                                |          |                  |                                          |              |                                          |               |                                               |                 |                             |               |                                              |               |                            |               |                                       |               |                        |               |                        |               |                         |              |                               |               |

Regional and State Planning  
\$214,859,450  
State Administration  
\$214,859,450  
Total  
\$4,297,189,000

Once the Texas General Land Office opened the grant funding for applications, staff requested authorization to solicit proposal for engineering and architectural/surveying services for numerous city-wide drainage projects.

Based on this, staff prepared a Request for Qualifications to develop a Scope of Work that encompassed all application and project related engineering/architectural/surveying services to the City of Weslaco under its CDBG-MIT project, including but not limited to the following:

Pre-Funding Services\*: Assist with the development of grant applications, as necessary.

Post-Funding Services: Initial Engineering and Design Support Engineering, Final Design Support Bid and Award Support Contract Management and Construction Oversight Specialized Services.

\* Pre-funding services are not eligible for CDBG-MIT reimbursement and must be paid with local or other non-CDBG-MIT funds.

Staff received 12 proposals. A committee of the Mayor, one City Commissioner, City Engineer and myself reviewed and scored the proposals.

The final scoring matrix will be sent via email prior to the meeting.

**Funding Source** (budget code, if applicable):

|         |                 |                               |
|---------|-----------------|-------------------------------|
| Amount: | Term of Impact: | Identified in Current Budget: |
|---------|-----------------|-------------------------------|

**Additional Action Prompted:**

Mayor's Signature

**If item previously considered, provide date and action by Commission:**

**If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners:**

Issue Solicitation: Wednesday, August 26, 2020

Pre-Proposal Conference Friday, September 4, 2020 at 11:00 AM

Deadline for submission of questions: Tuesday, September 8, 2020 at 10:00 AM

Deadline for submission of responses: Thursday, September 10, 2020 at 3:00 PM

**Advisory Review, if any** (name of board/committee, date of action, recommendation):

|              |                   |
|--------------|-------------------|
| Andrew Muñoz | Created/Initiated |
| Mike Perez   | Final Approval    |

**City Manager Comments:**

Approve.

**Staff Recommendation:**

Staff recommends awarding to the best qualified, most advantageous vendor/firm.

**Attachments, if any:**

SOQ - RFQ2019-20-24, weslaco rfq final, Jose L. Muñoz - RFQ 2019-20-24, Karen Kubos - CONSOR Engineers\_RFP 2019-20-24, Kelly Coello - RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL SURVEYING SERVICES\_HALFF, Lauren Colley-Dodd - City of Weslaco RFQ# 2019-20-24 - GIGNAC ARCHITECTS, Lorena Garza - Cruz-Hogan SOQ-Weslaco RFQ#2019-20-24 Engineering CDBG-MIT (9-9-2020), Mirna Santana\_Dannenbaum Engineering Corporation - RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL SURVEYING SERVICES, Paolina Vega - City of Weslaco RFQ 2019-20-24 Hanson, Ron Guzman - FNI SOQ - RFQ 2019-20-24 Engineering & Architectural Surveying Services, kendra meneses - FINAL RFQ City of Weslaco CDBG-MIT, kendra meneses - RFQ 2019 20 24 Engineering and Architectural-Surveying Services, TWDB FIF 2020 Funding Recommendation Memo

**Responsibilities upon Approval:**



# **Statement of Qualifications**

**Engineering, Architectural  
and Surveying Services  
for  
Community Development  
Block Grant Mitigation  
(CDBG-MIT)**

**RFQ 2019-20-24**



**Professional Engineers & Land Surveyors**

130 E. PARK AVENUE • PHARR, TEXAS 78577

(TEL) 956-782-2557 • (FAX) 956-782-2558

Engineering Firm F - 486 • Surveying Firm #101650-00

Date of Submittal: September 10, 2020

**ORIGINAL**



September 10, 2020

Homer Rhodes  
Purchasing Manager  
City of Weslaco  
Weslaco, TX 78596

Mr. Rhodes,

In response to the **City of Weslaco's Request for Qualifications (RFQ) for Engineering Services CDBG-MIT Program**, **R. Gutierrez Engineering Corporation (RGEC)** is pleased to present its qualifications of the scope of work to be performed. We have a complete understanding and extensive experience in completing locally, state and federal funded municipal projects from conception to construction completion related to disaster relief/mitigation. In our response, we will show our team is the most qualified to provide engineering services to the **City of Weslaco**.

As the prime provider, **RGEC** is an engineering firm and a land surveying firm registered to practice in the **State of Texas, Engineer Firm Number F-486** and **Land Surveying Firm Number 101650-00**, that meets the appropriate state licensing requirements to practice as both a professional engineering firm and a professional land surveying firm. More so, **RGEC** confirms it does **NOT** have a record of substandard work within the last five years and that the firm has **NOT** engaged in any unethical practices within the last five years. **RGEC** commits itself to provide a professional team that addresses the entire scope of services as noted in the Request for Qualifications.

**RGEC** is registered with the State of Texas as both an engineering and land surveying firm and as a **Historically Underutilized Business (HUB)** and **Disadvantaged Business Enterprise (DBE)**. **RGEC** will be the prime provider and responsible for the day-to-day dealings with **City of Weslaco** with Mr. Ramiro Gutierrez, PE, the principal in charge of the firm, being the primary contact for this project.

As you will see, **RGEC** will not only fulfill, but surpass all your requirements and is deserving of your trust. We look forward to a strong working relationship based on competence, integrity, and respect and firmly believe that it will be a benefit to both the **City of Weslaco** and **RGEC**.

We thank you for your consideration and for the opportunity to offer our qualifications for providing professional engineering services to the **City of Weslaco**.

Sincerely,



Ramiro Gutierrez, PE  
**President**

## TABLE OF CONTENTS

### **I. Transmittal Letter**

### **II. Company Profile\_\_\_\_\_3**

### **III. Experience and Qualifications**

- a. Engineering & Surveying\_\_\_\_\_9**
- b. Environmental Services\_\_\_\_\_18**
- c. Architecture\_\_\_\_\_20**

### **IV. References\_\_\_\_\_32**

### **V. Submission Requirements\_\_\_\_\_33**

- a. Certificate of Insurance
- b. State of Conflicts
- c. System of Awarded Management
- d. Form CIQ
- e. Certification Regarding Lobbying
- f. Form 1295
- g. Required Contract Provisions

### **VI. Appendix**



## II. COMPANY PROFILE

### Firm Name, Addresses, and Telephone Numbers

#### R. Gutierrez Engineering Corporation

130 E. Park Avenue  
Pharr, Texas 78577  
Phone: 956-782-2557  
Fax: 956-782-2558



### Structure and Size of Firm

Structure – Corporation  
State of Incorporation: Texas, Charter #01495723-00  
Size - 9 Employees

### Years in Business

**RGEC** – 22 Years



Texas Board of Professional  
Engineers and Land Surveyors

### Name of Principals in Firm

Ramiro Gutierrez, PE / **President**  
Humberto Garza / **Principal**

**Texas Engineering Firm F-486**

### Primary Contact and Email Address

Ramiro Gutierrez, PE / President  
[rgutierrez@rgec.net](mailto:rgutierrez@rgec.net)

**Texas Land Surveying Firm 101650-00**

**RGEC** has extensive experience and has provided professional engineering and land surveying services for multiple local government agencies on locally funded public works projects, federally funded construction projects, public transportation related projects, and projects located in this general region of the state. This past experience makes **RGEC** uniquely qualified to provide engineering and project management services to the **City of Weslaco**.

The firm is fully equipped and staffed to handle most any civil engineering and land surveying task with ease. **RGEC**, in conjunction with its team member / sub-consultants **Raba Kistner** and **EGV Architects, Inc.**, can provide the services and have the staffing needed to cover the specialized categories noted for this Request for Qualifications.



**Ramiro Gutierrez, PE**  
President and  
Principal In Charge

Professional  
Engineer, State of  
Texas, #65948

**Hernan A. Lugo, PE, CFM**  
Senior Project  
Manager

Professional  
Engineer, State of  
Texas, #108728

Certified Floodplain  
Manager, State of  
Texas Certification  
#1747-09N

Certified  
Stormwater  
Manager

Certified Water  
Quality & Bacteria  
Monitor

Professional  
Engineer, State of  
Florida, #74961

**Pablo Soto, Jr.,  
PE, RPLS**  
Survey Project  
Manager

Registered  
Professional  
Engineer, Texas,  
#66278

Registered  
Professional Land  
Surveyor, Texas,  
#4541

## Organizational Description

**RGEC** is a fully staffed professional engineering and land surveying firm located in Pharr, Texas. The firm is registered to practice in the **State of Texas with Engineering Firm Number F-486** and **Land Surveying Firm Number 101650-00**. The firm is fully equipped and staffed to handle most any civil engineering and land surveying task with ease. The firms' capabilities and diversity enable **RGEC** to devote personal attention to the **City of Weslaco**. **RGEC** provides clients the expertise and innovation necessary to provide practical, cost-effective solutions.

**RGEC** has been in business for 22 years, having begun operation in 1998. The firm is fully equipped and staffed to handle most any civil engineering and land surveying task with ease.

Mr. Ramiro Gutierrez, PE, will be the primary contact for this contract and will be responsible for the day-to-day dealings with the **City of Weslaco**. Mr. Gutierrez is a longtime resident of the Rio Grande Valley and is extremely knowledgeable of the Rio Grande Valley area, the people, and their needs. He grew up in San Juan, Texas, and currently resides in Pharr, Texas.

Mr. Gutierrez has more than 30 years of professional experience and is registered with the State of Texas as **Professional Engineer #65948** and is TXDOT pre-certified to provide civil engineering services. He is a former Texas Department of Transportation (TXDOT) engineer where he worked in various capacities in the Pharr District, in Austin and the Corpus Christi District. While working with TXDOT for 14 years, Mr. Gutierrez moved up the ladder and his last position with TXDOT was that of Area Engineer in the Alice Area Office. He was responsible for the design, construction, maintenance and operation of the State highway system in all of Jim Wells and Kleberg Counties and part of Live Oak and Nueces Counties. While at TXDOT, one of Mr. Gutierrez' tasks was being responsible for the environmental assessments for the Pharr District.

In addition to Mr. Gutierrez, a key member of the staff at **RGEC** is Mr. Hernan A. Lugo, PE, CFM. Mr. Lugo is registered with the **State of Texas as Professional Engineer #108728** and **CFM Certification #1747-09N**. He grew up in Caracas, Venezuela and graduated from Universidad Nueva Esparta in Caracas, Venezuela with a Bachelor of Science degree in Civil Engineering in 1998. In 2011 he earned a Master of Science degree in Environmental Engineering from Texas A&M University at Kingsville.

Mr. Lugo has more than 21 years of experience in the engineering and construction industry. He is also a Certified Floodplain Manager and a Certified Stormwater Manager. Mr. Lugo as a former Project Manager for the City of Alton provided technical assistance to Public Works and Planning Department as well as overseeing all land development and capital improvement projects within the city. In the meantime, he developed and maintained an excellent working relationship with private and public agencies as well with other engineering firms. He has worked in various capacities in the region and coordinated his work with various agencies such as the Environmental Protection Agency, Texas Commission on Environmental Quality (formerly TNRCC), Texas Water Development Board, Hidalgo County Drainage District #1, and multiple irrigation districts in Hidalgo County. Mr. Lugo also managed engineering services and operated an independent civil engineering firm in Pharr, Texas.



Another key member of the staff at **RGEC** is Mr. Pablo Soto, Jr., PE, RPLS. Mr. Soto is registered with the **State of Texas as Professional Engineer #66278** and **Registered Professional Land Surveyor #4541**. He is TXDOT pre-certified to provide land surveying services and is a long-time resident of the Valley. Mr. Soto grew up in San Juan and currently resides in Pharr. He has a long history of working in the Rio Grande Valley as a consultant in professional engineering and land surveying. Mr. Soto has extensive surveying experience in South Texas and provides a vast and in-depth knowledge of the local area with his tremendous background in design engineering and surveying. Mr. Soto is responsible for the surveying work at various levels of design from topographic surveying to surveying for design and construction staking. He also performs boundary surveying services for acquisition of right-of-way and easements on municipal projects. He has developed and maintained an excellent working relationship with various public agencies in the Rio Grande Valley as well with other engineering firms. Mr. Pablo J. Soto, PE, RPLS., will supervise all boundary surveying or topographic surveying work and provide design quality control duties for projects with **City of Weslaco**.





***A more detailed list of services offered by the firm is as follows:***

|                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drainage Services</b> <ul style="list-style-type: none"> <li>• Hydrologic Studies</li> <li>• Hydraulic Design</li> <li>• Storm Sewer Design</li> <li>• Drainage Channel Design</li> <li>• Detention Ponds</li> <li>• Floodplain Mapping</li> <li>• Pumping/Lift Stations</li> </ul>                                                                                               | <b>Transportation Services</b> <ul style="list-style-type: none"> <li>• Streets &amp; Highways</li> <li>• Roadway Geometrics</li> <li>• Signing &amp; Striping</li> <li>• Traffic Control Plans</li> <li>• Traffic Signal Design</li> <li>• Airport Design</li> </ul>                            |
| <b>Land Surveying Services</b> <ul style="list-style-type: none"> <li>• Residential &amp; Commercial Land Surveys</li> <li>• Residential &amp; Commercial Improvement Surveys</li> <li>• Acreage Surveys</li> <li>• ROW &amp; Easement Parcels</li> <li>• Topographical Surveys</li> <li>• Construction Staking</li> <li>• ALTA Surveys</li> <li>• Elevation Certificates</li> </ul> | <b>Water Resources</b> <ul style="list-style-type: none"> <li>• Water Distribution</li> <li>• Wastewater Planning/Collection/Treatment</li> <li>• Pumping/Lift Stations</li> <li>• Storm Water Pollution Prevention Plans</li> <li>• Pre-treatment Compliance</li> <li>• Public Works</li> </ul> |
| <b>Land Development Services</b> <ul style="list-style-type: none"> <li>• Feasibility Studies</li> <li>• OSSF Site Evaluations</li> <li>• Drainage Studies / Reports</li> <li>• Subdivision Plans</li> <li>• Civil Site Plans</li> <li>• Subdivision Plat Processing &amp; Reviews</li> </ul>                                                                                        | <b>Other Services</b> <ul style="list-style-type: none"> <li>• Environmental Services</li> <li>• Project Management</li> <li>• Construction Phase Services</li> <li>• Permitting</li> <li>• Landfill Services</li> <li>• Municipal Engineering</li> </ul>                                        |





Additionally, **RGEC** is pre-certified by TXDOT in the following engineering and land surveying categories.

| TXDOT CERTIFICATIONS |                                                |
|----------------------|------------------------------------------------|
| 3.2.1                | ROUTE STUDIES & SCHEMATIC DESIGN               |
| 4.2.1                | ROADWAY DESIGN                                 |
| 4.4.1                | FREEWAY INTERCHANGES                           |
| 8.1.1                | SIGNING, PAVEMENT MARKING, AND CHANNELIZATION  |
| 9.1.1                | BICYCLE AND PEDESTRIAN FACILITY DEVELOPMENT    |
| 10.1.1               | HYDROLOGIC STUDIES                             |
| 10.2.1               | ROADWAY HYDRAULIC DESIGN                       |
| 10.3.1               | BRIDGE HYDRAULIC DESIGN                        |
| 11.1.1               | ROADWAY CONSTRUCTION MANAGEMENT AND INSPECTION |
| 15.1.1               | RIGHT-OF-WAY SURVEYS                           |
| 15.2.1               | DESIGN SURVEY                                  |
| 15.2.2               | CONSTRUCTION SURVEY                            |

As can be seen, **RGEC** can handle a wide range of civil engineering projects. The experience of our staff provides us a unique insight into the needs, goals, requirements, and procedures associated with our clients. Our information technology capabilities and professional equipment allow us to provide accurate work presented in clear, highly professional quality engineering drawings.

**RGEC** also gives the client the experience and ability to assemble a multi-disciplinary team capable of handling large projects requiring expertise in various engineering fields. The staff at **RGEC**, through the years, has developed excellent relationships with numerous engineering firms and governmental agencies. The staff at **RGEC** is familiar with and shall comply with federal, state and local laws and mandates relative to the preparation of submittals and the engineering services to be provided and all applicable federal, state and local laws and regulations.

Specifically the services to be provided will be in compliance with the: *American with Disabilities Act (ADA)*; *Age Discrimination in Employment Act (ADEA)*; *Consolidated Omnibus Budget Reconciliation Act (COBRA)*; *Family and Medical Leave Act (FMLA)*; *Health Portability and Accountability Act of 1996 (HIPPA)* and all applicable federal and state requirements, including without limitation, *ERISA*, the *Internal Revenue Code and its Act of 1994 (USERRA)*, insurance laws and regulations, and state anti-discrimination requirements.



## **Firm's Philosophy**

The philosophy at **RGEC** is to have efficient management and quality control to deliver projects on time and within budget. Once the **City of Weslaco** is ready to commence on a project, a project concept conference will be held to clearly determine the scope of the work to be undertaken. A detailed work schedule shall be prepared by the **RGEC** team and submitted to the **City of Weslaco** for approval. The work schedule will provide specific work sequences and definite review times of the work to be performed. **RGEC** will diligently pursue the completion of the project as defined by the milestones and deliverable due dates outlined in the work schedule. **RGEC** will inform the **City of Weslaco** should issues be encountered that would prevent the performance of work in accordance with the established work schedule or within the proposed budget. This allows us to avoid problems as projects are moved forward. The design philosophy at **RGEC** is to seek for and develop the most practical, cost effective solution to address the client's needs by conducting an in-house informal value engineering study with our staff to look for ways to meet the objectives and deliver the expected results while cutting costs for our clients.

**RGEC's** experience and the methodology used allow us to efficiently execute the design and construction process from start to finish. This includes several key components including, but not limited, to the following:

- ✓ ***Establishment of clear goals and objectives of the client and design team***
- ✓ ***Determination of requirements to achieve successful results***
- ✓ ***Implementation of tasks and party responsibilities for meeting goals***
- ✓ ***Schedule of milestones that need to be met to satisfy goals and objectives***
- ✓ ***Open means of information sharing and communication***
- ✓ ***Periodic reviews to ascertain compliance with schedule, budget, and other objectives***

However, even the most thoroughly reviewed engineering designs may encounter unforeseen circumstances in the field. **RGEC** will have an experienced qualified inspector on staff to perform construction inspection and construction administration staff to perform the construction documentation and administration services. Our staff construction inspector will observe contractors to ensure that projects move forward in a timely manner. If needed, he will advise the Project Manager of any deviations from plans and specifications so that these deviations are addressed in a timely manner. At that point, we will gather all pertinent information to resolve the issue at hand. Our top priority in resolving any issues is to keep costs within budget, keep the project on schedule, and provide the highest quality solution for the **City of Weslaco**.





## II. EXPERIENCE AND QUALIFICATIONS

The **RGEC** team of Consultants provides adequate experienced staffing and a workload free from constraints to produce the work required by the **City of Weslaco** in a timely manner. The Consultants have experience working with multiple government entities and agencies alongside numerous public utility and private companies across the State of Texas.

| Team Members            | Level of Education/Professional Certification                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ramiro Gutierrez, PE    | <b>Bachelor of Science, Civil Engineering</b><br><i>Professional Engineer Certification, State of Texas</i>                                                                                                                                                                                  |
| Hernan A. Lugo, PE, CFM | <b>Master of Science in Environmental</b><br><b>Bachelor of Science in Civil Engineering</b><br><i>Professional Engineer, State of Texas</i><br><i>Professional Engineer, State of Florida</i><br><i>Certified Floodplain Manager, State of Texas</i><br><i>Certified Stormwater Manager</i> |
| Pablo Soto, PE, RPLS    | <b>Bachelors of Science in Civil Engineering</b><br><i>Professional Engineer, State of Texas</i><br><i>Registered Professional Land Surveyor, State of Texas</i>                                                                                                                             |



|                                 |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isidoro Arjona, PE, PMP, F.ASCE | <b>Master of Science, Civil Engineering</b><br><b>Master of Science, International Management</b><br><i>Bachelor of Science, Civil Engineering</i><br><i>Professional Engineer, State of Texas</i><br><i>Professional Engineer, State of Minnesota</i><br><i>Professional Engineer, Mexico</i><br><i>Project Management Professional</i> |
| Blanco Samuel, Jr., AICP, PMP   | <b>Master of Science, Environmental Science</b><br><b>Bachelor of Science, Biology</b><br><i>American Planning Association</i>                                                                                                                                                                                                           |
| Steven A. Tomka, Ph.D., RPA     | <b>Doctorate, Anthropology</b><br><b>Masters of the Arts, Anthropology</b><br><b>Bachelor of the Arts, Anthropology</b><br><i>Register of Professional Archeologists</i>                                                                                                                                                                 |
| Richard V. Klar, PG             | <b>Master of Science, Applied Geology (Hydrogeology)</b><br><b>Bachelor of Science, Earth Sciences</b><br><i>Professional Geoscientist, State of Texas</i><br><i>Professional Geoscientist, State of Nebraska</i><br><i>LPST Corrective Action Project Manager</i>                                                                       |

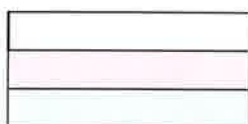


|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brian D. Strye</b> | <b>Master of Science, Environmental Sciences</b><br><b>Bachelor of Science, Biology</b><br><i>WTI – Certified Wetland Delineator</i> |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|

|                             |                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eduardo G. Vela, AIA</b> | <b>Bachelor of Environmental Design</b><br><i>Professional Architect, State of Texas</i><br><i>Professional Interior Designer, State of Texas</i> |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                          |
|-----------------------|--------------------------|
| <b>Alejandra Mina</b> | Bachelor of Architecture |
|-----------------------|--------------------------|

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| <b>Rebecca Acuna</b> | Professional Certification, Computer Aided Drafting and Design |
|----------------------|----------------------------------------------------------------|



**Engineering and Surveying**  
**Specialized Services**  
**Architecture**

**State of Texas**  
**Engineering Firm**  
**Number F-486**



Texas Board of Professional  
Engineers and Land Surveyors

**State of Texas**  
**Land Surveying**  
**Firm Number**  
**101650-00**



| Firm                | Areas of Expertise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RGEC</b>         | <p><b>INITIAL ENGINEERING AND DESIGN SUPPORT</b></p> <ul style="list-style-type: none"> <li>✓ Project Management and Grant Development</li> <li>✓ Preliminary Engineering, Investigations and drawings</li> <li>✓ Design surveying, topographic and utility mapping/prepare horizontal alignments</li> <li>✓ Recommend value engineering</li> <li>✓ Provide project schedule</li> </ul> <p><b>ENGINEERING AND FINAL DESIGN SUPPORT</b></p> <ul style="list-style-type: none"> <li>✓ Prepare plans and profiles</li> <li>✓ Provide information to appropriate individuals for the development of environmental fund release</li> <li>✓ Identify, acquire and submit all necessary permits &amp; approvals</li> <li>✓ Provide hard copy reproducible plan drawings and bid documents</li> </ul> <p><b>BID AND AWARD SUPPORT</b></p> <ul style="list-style-type: none"> <li>✓ Prepare bid solicitation</li> <li>✓ Support bid development necessary to complete bid process</li> <li>✓ Attend and support pre-bid conference and bid opening</li> <li>✓ Support with negotiation of contract documents</li> <li>✓ Support in conducting preconstruction conference</li> </ul> | <p><b>CONTRACT MANAGEMENT AND CONSTRUCTION OVERSIGHT</b></p> <ul style="list-style-type: none"> <li>✓ Ensure delivery of project in accordance with contract</li> <li>✓ Provide periodic &amp; final inspections, on-site supervision &amp; oversight</li> <li>✓ Review construction change orders and invoice draw requests and provide recommendations</li> <li>✓ Provide final inspections, test reports, on-site supervision and oversight of construction activities</li> <li>✓ Review construction change-orders, invoice/draw requests and provide recommendations</li> <li>✓ Obtain independents cost estimates</li> <li>✓ Develop and deliver final "as built" report of quantities, drawing and certifications</li> <li>✓ Host and/or attend project coordination meetings</li> <li>✓ Provide necessary certifications to regulatory agencies</li> <li>✓ Submit all final invoices within 60 days after contract or work order expiration</li> </ul> |
| <b>RABA KISTNER</b> | <p><b>ENVIRONMENTAL SERVICES</b></p> <ul style="list-style-type: none"> <li>✓ Geotechnical investigations</li> <li>✓ Site Specific testing</li> <li>✓ Archeological Studies</li> <li>✓ Planning Studies</li> <li>✓ Phase I and Phase II environmental site assessments as requested</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>EGV</b>          | <b>ARCHITECTURE DESIGN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



The staff at **RGEC** has more than **75 years** of combined diversified professional engineering and surveying experience and over 1,850 engineering and land surveying projects completed. **RGEC** is a well-staffed civil engineering and land surveying firm. The firm has extensive experience and has provided professional engineering services for multiple local government agencies on locally funded public works projects, federally funded construction projects, and projects located in this general region of the state. This experience makes **RGEC** uniquely qualified to provide engineering services for the **City of Weslaco**.



**RGEC** is committed to providing the **City of Weslaco** with the attention it deserves. The firm has the capability to incorporate any project into its current schedule with ease. With our professional staffing, the firm can distribute the work strategically to enable work on multiple projects simultaneously. In addition, the firm finds itself ready and able to commence providing engineering services to the **City of Weslaco** immediately after negotiating an agreement. As stated before, the approach and philosophy at **RGEC** is to have efficient management and quality control as part of every project. This approach enables **RGEC** to deliver services on time and within budget. At **RGEC**, “quality” is the responsibility of the entire staff. Management sets the “quality” standards and each team member works to achieve those standards.

A Quality Control Plan will be developed for each task. This plan allows **RGEC** to identify objectives and priorities as well as establish quality control policies and requirements for each team member. The plan also establishes schedules and milestones, scope of the work to be undertaken, and a working budget. The schedule will provide work sequences and review times of the work to be performed. **RGEC** will diligently pursue the completion of the task, as defined by the milestones and deliverable due dates outlined in the schedule. **RGEC** will attend meetings with the **City of Weslaco** to communicate all progress and to assist in the decision-making process. **RGEC** will also assist the **City of Weslaco** at meetings with other entities as may be needed. **RGEC** will have regular meetings with the **City of Weslaco** to keep them abreast of the progress on the task.



The project manager will be responsible for all project coordination and communication with the **City of Weslaco's** appointed project personnel. Communications in the form of meetings, email, or telephone conversations will all be documented and minutes or notes of these communications will be distributed to all interested parties, including the City Manager and Principal of **RGEC**.





## Work with Federally Funded Projects

**RGEC** has provided engineering and surveying services to multiple governmental agencies where projects have been federally funded. **RGEC** has completed or is in the process of working on projects which include federal funding for the Hidalgo County Urban County Program. *The Southfork Drainage Improvements, the Minnesota Drain Projects and multiple disaster relief projects for Hurricane Dolly which include funds from the Texas General Land Office are examples of the experience related to this Request for Qualifications.*

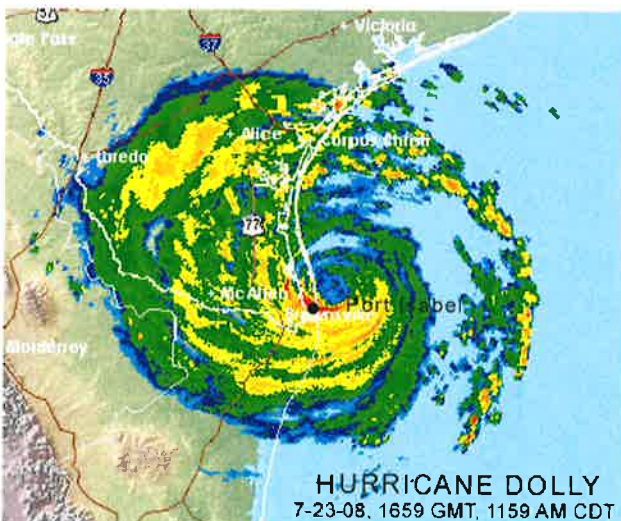
**RGEC** has provided surveying services to multiple governmental agencies. One such project was providing very detailed surveying services for the **Hurricane Dolly Disaster Recovery Program**. The program required that existing structures be demolished and replaced with new homes. **RGEC** completed a total of **685 surveys** for this program within **Cameron, Hidalgo and Willacy Counties**.



FEMA

**URS Surveys (Now AECOM) – Rio Grande Valley, Texas.** As part of URS's contract for Management Services for Community Development Block Grant Disaster Recovery Program (CDBG-DR) for Hurricane Dolly with the Lower Rio Grande Valley Development Council, **RGEC** was hired to provide **detailed topographic and boundary surveys** for all the properties within the Rio Grande Valley. Surveys included legal description of properties, utility easements, improvements including but not limited to houses, fences, driveways trees over 6" in diameter, sidewalks, slabs, utility locations, staking of property corners, building setback lines and plat of property to meet permitting requirements for construction of a single family residential structure. Multiple properties also required elevation certificates.

**Client:** URS Architects Engineers Planners (Now AECOM)  
**Contact:** Zach Martin, Director of State Housing Program at GrantWorks, Inc.  
**Phone:** (504) 605-8400



2008 Hurricane Dolly – Harlingen, TX

## Experience with Project in this General Region

**RGEC** has considerable knowledge and experience working with various government agencies and as such is familiar with Federal, State and Local Regulations, Policies and Procedures.

**RGEC** has experience developing projects for or while coordinating with many governmental agencies. **RGEC** has developed projects for TXDOT, Hidalgo County, Hidalgo County Drainage District No. 1, Hidalgo County Regional Mobility Authority, Hidalgo County Urban County Program, many cities and school districts across Hidalgo County and the Rio Grande Valley. These projects have consisted of roadway and street projects, overpass design projects, traffic signal design projects, airport expansion projects, water and sanitary sewer infrastructure projects. On many of these projects, **RGEC** has been required to coordinate with various governmental agencies such as the International Boundary & Water Commission, the US Army Corps of Engineers, US Fish & Wildlife, Texas Parks & Wildlife, Texas Historical Commission, Texas Commission on Environmental Quality (formally Texas Natural Resources Conservation Commission), Texas Department of Transportation, Federal Highway Commission, Federal Aviation Administration, Federal Emergency Management Agency, and others.

Additionally, our staff is familiar with the requirements of numerous utility companies such as Texas Gas Service, American Electric & Power, Magic Valley Electric Coop, Time Warner Communications, Oil/Gas Exploration/Production, Sprint, MCI and ATT. This list of agencies/companies is representative and is not all inclusive.



U.S. Army Corps  
of Engineers®



FEMA





## **EDUCATION**

- Bachelors of Science in Civil Engineering

University of Texas at Austin,  
Austin, Texas  
1983

## **PROFESSIONAL REGISTRATION**

- Professional Engineer, State of Texas, #65948

## **LANGUAGE**

- Speaks proficient English and Spanish.

## **AFFILIATIONS**

- National Society of Professional Engineers, President of RGV Chapter
- American Society of Civil Engineers
- American Concrete Institute

## **LEADERSHIP AND COMMUNITY INVOLVEMENT**

- City of Pharr Building Standards Commission
- City of Pharr Board of Adjustments
- City of Pharr Civil Service Commission (Previous Member)

## **YEARS WITH FIRM**

22 Years



**PE**  **LS**

Texas Board of Professional  
Engineers and Land Surveyors

## **Ramiro Gutierrez, PE**

President and Principal In Charge

### **BIOGRAPHIC SUMMARY AND EXPERIENCE**

Mr. Ramiro Gutierrez, PE is the principal in charge of R. Gutierrez Engineering Corporation and through his broad range of experience offers his clients a commitment of unsurpassed integrity, excellence and satisfaction. Mr. Gutierrez is proud of his excellent reputation in meeting client's aggressive schedules, and his ability to assemble multi-disciplinary project teams to give the client the specialized attention and service they merit.

Mr. Ramiro Gutierrez, PE is a long-time resident of the Rio Grande Valley. He grew up in San Juan, Texas, and currently resides in Pharr, Texas. He is a former Texas Department of Transportation (TXDOT) engineer. While with TXDOT, Mr. Gutierrez worked in various capacities in the Pharr, Austin, and Corpus Christi Districts. His last position with TXDOT was that of Area Engineer in the Alice Area Office where he was responsible for the design, construction and maintenance activities on State roads in Jim Wells, Kleberg, Live Oak and Nueces Counties. Before opening his own firm, Mr. Gutierrez worked for a large engineering firm as a Project Manager responsible for developing transportation, municipal and site development type projects. Since founding his own firm Mr. Gutierrez has worked extensively in the Hidalgo County area on a wide variety of projects including municipal infrastructure projects related to streets, drainage, water, sanitary sewer, parks, etc., and has become intimately familiar with the local area's characteristics.

Mr. Gutierrez is a licensed Professional Engineer with over 33 years of experience in management, design, construction and maintenance of drainage, highway, airport, street and utilities projects. The work involved analyzing and developing design alternatives, developing construction plans and bid packages; managing sub-consultant design and surveying contracts; managing construction projects; recommending, approving and processing change orders; assuring compliance with state and federal policies and procedures; monitoring project costs; developing and implementing maintenance action plans; recommending and implementing changes in the operation of our transportation system; providing quality customer service; developing and maintaining good working relationships with local public officials.

Mr. Gutierrez has worked as a Project Engineer and designer multiple street, drainage, roadway and utility improvement projects, some which included flood plain mapping and flood elevation studies in the south Texas and Rio Grande Valley areas. He has analyzed and developed preliminary engineering design alternatives, prepared final design, final construction plans and technical specifications and contract documents for the projects. Managed the construction of projects assuring compliance with the plans and specifications all the way through final inspection, project acceptance and final payment to contractor. Assured that industry standard construction procedures were followed on all projects.

### **Education**

- Master of Science in Environmental Engineering  
Texas A&M University at Kingsville, Kingsville, Texas  
2011
- Bachelors of Science in Civil Engineering  
Universidad Nueva Esparta,  
Caracas, Venezuela  
1998

### **Professional Registration**

- Professional Engineer, State of Texas, #108728
- Certified Floodplain Manager, State of Texas Certification #1747-09N
- Certified Stormwater Manager
- Certified Water Quality & Bacteria Monitor
- Professional Engineer, State of Florida, #74961

### **Language**

- Proficient in English & Spanish

### **Affiliations**

- American Society of Civil Engineers
- American Water Works Association
- American Public Works Association
- Environmental & Water Resources Institute
- American Planning Association
- Texas Floodplain Association
- International Code Council

### **Years with Firm**

6 Years



**PE+LS**

Texas Board of Professional  
Engineers and Land Surveyors

## **Hernan A. Lugo, PE, C.F.M.**

Senior Project Manager

### **BIOGRAPHIC SUMMARY AND EXPERIENCE**

Mr. Hernan A. Lugo, PE, CFM grew up in Caracas, Venezuela and worked as a resident engineer for a private firm in Venezuela from 1998 to 2001 where he provided design and project management services for various civil engineering projects. In 2001, Mr. Lugo moved to Miami, Florida where he worked for Voice Stream, Inc. as a technical consultant for the sales force.

Mr. Lugo graduated with a Bachelor of Science degree in Civil Engineering in 1998 and a Master of Science degree in Environmental Engineering in 2011. Mr. Lugo is licensed by Texas Board of Professional Engineers to practice civil and environmental engineering under license #108728 and has more than 13 years of experience in the engineering and construction industry. He is also a Certified Floodplain Manager and a Certified Stormwater Manager.

Mr. Lugo as a former Project Manager for the City of Alton provided technical assistance to Public Works and Planning Department as well as overseeing all land development and capital improvement projects within the city. In that position, he developed and maintained and excellent working relationship with privates and public agencies as well with other engineering firms. He has worked in various capacities in the region and also coordinated his work with various agencies such as the Environmental Protection Agency, Texas Commission on Environmental Quality (formerly TNRCC), Texas Water Development Board, Hidalgo County Drainage District #1, and multiple irrigation districts in Hidalgo County. Mr. Lugo also managed engineering services and operated an independent civil engineering firm in Pharr, Texas.

Mr. Lugo is skilled in civil and environmental design, design of water lines, sanitary sewer systems, and lift stations. He has also worked on water and sanitary sewer treatment plants, land development, planning, floodplain management, stormwater management, project management, permitting, mapping and geographic information systems. He has proven himself through the years while working for public and private entities.

### **RECENT PROJECTS**

**Navarro Street Improvements – Pharr, Texas.** Worked as Project Manager responsible for the development of plans and specifications for the re-construction of the existing rural roadway, which consists of upgrading the existing rural roadway to an urban roadway with curb and gutter. The project also includes design of storm drainage facilities and outfall improvements. RGEK conducted field surveys to collect information required for design of the project. Close coordination with utility companies is required in order to identify and resolve conflicts with underground utilities. Once the project is ready for construction, bidding documents will be prepared. RGEK will provide construction administration and inspection during the construction phase of the project. As-built documents will be provided at project completion.



### Education

- Bachelors of Science in Civil Engineering

Texas A&I University  
Kingsville, Texas, 1982

### Professional Registration

- Registered Professional Engineer, Texas, #66278
- Registered Professional Land Surveyor, Texas, #4541

### Language

- Speaks proficient English and Spanish.

### Leadership and Community Involvement

- City of Pharr City Commissioner (Previous Member)
- Pharr Economic Development Corporation (Previous Member)

### Years with Firm

10 Years



PE+LS

Texas Board of Professional  
Engineers and Land Surveyors

## Pablo Soto, Jr., PE, RPLS

Survey Project Manager

### BIOGRAPHIC SUMMARY AND EXPERIENCE

Mr. Pablo Soto, Jr., PE, RPLS grew up in San Juan and is a resident of Pharr, Texas. He has had a long working experience as a consultant in civil engineering and surveying. Mr. Soto provides a vast and in depth knowledge of the San Juan area with his background in civil engineering and surveying. Mr. Soto is responsible for the surveying work at various levels of design from topographic surveying to surveying for design and construction staking. He also is responsible for all property boundary surveys for the office. He has developed and maintained an excellent working relationship with various private and public agencies as well as with other engineering and land surveying firms. Mr. Soto brings over 30 years of professional surveying experience to our team. Mr. Soto's experience includes all types of Land Surveying, Parcel Descriptions, Subdivision work and TX-DOT Right of Way Surveying & Parcel Descriptions. Most of his experience has been in the South Texas community.

### RECENT PROJECTS

**Navarro Street Improvements – Pharr, Texas.** The firm worked as Project Engineer responsible for the development of plans and specifications for the re-construction of the existing rural roadway, which consisted of upgrading the existing rural roadway to an urban roadway with curb and gutter. The project also included design of storm drainage facilities and outfall improvements. Mr. Soto was responsible for survey work which included identification of existing right-of-way and the preparation of easements. Survey work also included field surveys to collect information required for design of the project. Close coordination with utility companies was required in order to identify and resolve conflicts with underground utilities.

**Hidalgo County RMA Trade Corridor Connector – McAllen, Texas.** RGEC was part of a surveying team hired by the Hidalgo County Regional Mobility Authority (HCRMA) to provide surveying services on 37 acres of total outfall areas for this project. RGEC's responsibility was tying horizontal and vertical positions for the existing drain system and irrigation lines that were within 20' of the proposed right of way. RGEC provided topographic surveying services of the south slope of the existing levee at 300' cross-section intervals for off-site drainage. RGEC also provided survey of outfall areas and profiles of existing drainage facilities with measurements of hydraulic openings under existing bridges. Complete 2D & 3D files including utilities of the outfall identified on the project location map were provided. Finally, RGEC provided boundary surveys of existing properties within the project area and survey services for ROW parcels to be acquired.

**URS Surveys – Rio Grande Valley, Texas.** As part of URS's contract for Management Services for Community Development Block Grant Disaster Recovery Program for Hurricane Dolly with the Lower Rio Grande Valley Development Council, RGEC was hired to provide detailed topographic and boundary surveys for 685 properties within the Rio Grande Valley. Surveys included legal description of properties, utility easements, improvements including but not limited to houses, fences, driveways, trees over 6" in diameter, sidewalks, slabs, utility locations, staking of property corners, building setback lines and plat of property to meet permitting requirements for construction of a single family residential structure. Of the above surveys, 202 properties also required elevation certificates.

## RABA KISTNER INCORPORATED

**RGEC proposes to use Raba Kistner, Inc. as a sub-consultant to provide Geotechnical Engineering, Site Specific Testing, Provide Archeological Studies, Planning Studies, Environmental Reporting, Geotechnical Engineering and Construction Materials Testing.**



Founded in 1968, **Raba Kistner** is recognized as one of the Southwest's largest consulting firms offering their engineering specialties. Their multi-disciplined team—made up of more than 400 employees—consists of civil, facilities, environmental, geotechnical, and materials engineers; roofing consultants and observers; building envelope consultants; architects; LEED APs; environmental geologists; scientists; archaeologists; technicians; and support personnel. More than 75% of their team holds licensure or certifications in their areas of expertise. Furthermore, **Raba Kistner** Geotechnical and Construction Materials Testing staff and laboratories are among the largest in the State.

Headquartered in San Antonio, **Raba Kistner** has offices in Austin, **Brownsville**, Dallas, El Paso, Houston, **McAllen**, New Braunfels, Texas, Salt Lake City, Utah, and México. **Raba Kistner's** resources, manpower, and organizational structure allow for all corporate employees to serve as seamless service providers for every project.

**Raba Kistner** has played an integral role in the expansion of the Rio Grande Valley since 1991, as well as in the improvements to the quality of life of its citizens. We have two primary local facilities—offices in McAllen and Brownsville. Our McAllen facility, ***the largest geotechnical and construction materials testing laboratory in the Valley*** and the only geotechnical facility within the City, has more than 5,200 square feet of air-conditioned space encompassing advanced technology in the geotechnical and materials testing specialties. We are honored that public entities and businesses in the Valley have recognized our engineering capabilities and have allowed us the opportunity to provide consultation on their projects. This local familiarity adds to the quality of services we can provide to the **City of Weslaco**.

### Accreditations:



**US Army Corps  
of Engineers®**



**Raba Kistner's** project personnel for this proposal are:

- **Isidoro Arjona, PE, PMP, F. ASCE** – Senior Vice President
- **Steven A. Tomka, Ph.D., RPA** – Senior Archeologist
- **Samuel Blanco, Jr. AICP, PMP** – Director, Environmental Planning & Permitting
- **Richard V. Klar, PG** – Vice President
- **Brian D. Strye** – Environmental Scientist

**Raba Kistner** professional services for this RFQ include:

**Planning Phase**

- *Archaeology/Cultural Resources*
- *Environmental Due Diligence/Phase I, II, III ESA*
- *Environmental Planning & Permitting*
- *Geology & Hydrogeologic Investigations*
- *Program Management*
- *Project Management*
- *Property Condition Assessment*
- *Right-of-Way*

**Design Phase**

- *Geophysical Studies*
- *Geotechnical Engineering*
- *Pavement Design*
- *Transportation Design Quality Assurance*

**Construction Phase**

- *Construction Engineering & Inspection (CE&I)*
- *Construction Materials Engineering & Testing*
- *Environmental Compliance Management*
- *Materials Consulting & Testing*
- *Materials Recycling*



Resumes for **Raba Kistner's** key personnel are provided in the **Appendix** of this Statement for Qualifications.





**RGEC proposes to use EGV Architects, Inc., as a sub-consultant to provide Architectural Services.**



**EGV Architects, Inc.,** firm originally established as Eduardo G. Vela, Architect in 1994 and now known as **EGV Architects, Inc.,** has the commitment of giving our clientele the best services, as well as the desired finished product. **EGV Architects, Inc.,** is a HUB certified firm that specializes in the planning and design of educational facilities that are functional, aesthetically pleasing, and safe, both indoors and outdoors, including Pre-K through 12<sup>th</sup> and university level. Projects for educational clients comprise of a very large spread of our workload, and all these projects involve programming, master planning and design of complete new campuses or existing facilities.

Our experience, however, includes not only educational projects but Federal, State and County funded construction projects as well. Our firm has worked on a variety of Public and Community Projects in many Cities and Counties in South Texas and the Rio Grande Valley for over 24 years while successfully working with numerous regulatory and funding agencies.

**EGV Architects, Inc.,** has developed long-lasting relationships with all of our repeated clients and careful administration of our projects have prevented typical oversights that would have lead to any claims. Therefore, our firm has never been involved in any litigation disputes.

Engineering consultants are selected for each project and for their extensive experience in working with educational facilities. Our combined experience, integrity, and commitment to quality can be trusted to bring projects to completion on schedule and within budget.



**EGV Architects, Inc.**, firm's principal, Eduardo Vela, and all professional team members, are committed to provide practical solutions that meet our clients' needs within required timely and budgetary constraints. We are a local firm whose mission is to always make ourselves available immediately for questions and meetings even on the same day. Every aspect of our firm, from the selection of personnel and consultants is carefully planned to respond to the specific needs of each client. We will all commit as much time as deemed necessary to meet project milestones. If necessary, we will acquire additional help to ensure that the project gets delivered on time and as desired.

By developing relationships of mutual trust and understanding, **EGV Architects, Inc.**, is better able to design buildings that fit clients' needs while complementing and enhancing their images. This approach also makes it possible for us to deliver projects that look great, function well and are within budget. We can provide a vast array of services to meet your needs.



**EGV Architects, Inc.** has experience working with agencies such as:

- U.S. Department of Commerce Economic Development Administration (EDA)
- United States Department of Agriculture Rural Development (USDA),
- State Energy Conservation Office (SECO)
- Hidalgo County Urban County Program
- Texas Education Agency (TEA)
- Texas Department of Licensing & Regulation (TDLR)



Projects for the above listed agencies are, but limited to those listed below.

- EDA: RGV Border Security and Technology Training Center
- USDA Rural Development: Hidalgo Viejo Mercado Development
- SECO: State Farm Arena, Chiller Replacement for energy conservation
- Urban Co. Program: Restoration of 1886 Hidalgo County
- Courthouse, Hidalgo Public Library Expansion and Alteration and City of Alton Baseball Fields
- TEA: All school projects
- TDLR: All projects

**EGV Architects, Inc.**, project personnel for this proposal are:

- **Eduardo G. Vela, AIA** – Principal and Registered Architect
- **Alejandra Mina** – Senior Project Manager
- **Rebecca Acuna** – Project Manager, Drafter and Design

The **EGV Architects, Inc.**, services for this RFQ include:

**Architecture**

- *Feasibility Studies*
- *Budgeting*
- *Cost Estimating*
- *Master Planning*
- *Needs Assessment Cost Analysis*
- *Programming/Schematic Design*
- *American with Disabilities Act audit/review ADA*
- *Design Development*
- *Life Safety System/Security System Design*
- *Construction Documents*
- *Site Planning/Site Selections*
- *Specification writing*
- *Building Codes Reviews*
- *Bidding/Negotiation*
- *Communication Systems Design*
- *Construction Administration*
- *Remodeling*
- *Facility Plans*
- *Interior Design & Space Planning*
- *Re-roofing*
- *Design/Build*
- *Construction Management*
- *Post Construction Services*
- *Models and 3D Renderings*



Resumes for **EGV Architects, Inc.**, key personnel are provided in the **Appendix** of this Statement for Qualifications.





## South San Juan Drainage Master Plan

**Client:** City of San Juan  
709 S. Nebraska  
San Juan, Texas 78589

**Contact Person:** Benjamin Arjona, City Manager

**Telephone Number:** (956) 223-2200

### Project Type: Develop a Drainage Master Plan

### Technical & Administrative Services

**Work Summary:** Work included hydrologic analysis and hydraulic design. Utilized NRCS TR-55 method for the hydrologic analysis and HEC-RAS for the channel modeling. Coordinated with the Hidalgo County Drainage District No. 1 and the International Boundary and Water Commission for obtaining permit to outfall into their facilities.

**Preliminary Engineering** work included preparing schematic layouts of the southern part of the City of San Juan with boundaries being Ridge Road on the north, Stewart Road on the east, San Antonio Avenue on the west and Hall Acres Road on the south. Three alternative drainage schemes were developed and evaluated as to their cost effectiveness and their complementation with City of San Juan plans for development. A recommendation was made and adopted by the City that included a main collection line that future development would connect to and that would allow for the filling of an existing retention pond. A detention pond was also designed at the low end of the watershed just before draining into the HCDD#1 ditch.

**Right-of-Way Data** included developing a schematic layout of the existing street, irrigation canal and drain ditch right-of-ways.

**Utility Identification** consisted of obtaining information of all existing utilities within the project limits. Conflicts were identified and taken into account in developing the ultimate drainage plan.

Detailed **Surveying** consisted of obtaining detailed topographic survey of the project area with particular attention paid to existing drainage facilities. Elevations were obtained on a 100-foot grid in places where reliable contours did not exist. Right-of-Way property corners were identified and verified by locating existing property corners for use in developing an accurate schematic layout of the project area. And cross-sections of drain ditches and detention pond areas were obtained for use in design. Benchmarks were placed within the project for later use in construction.

**Drainage Design** included hydrologic analysis of the project drainage basin utilizing NCRS TR-55 Peak Discharge Method and the HEC-HMS software package. A hydraulic design of a proposed detention pond along with the necessary drainage culverts was developed utilizing HEC-RAS software package. A main storm sewer trunk line was designed utilizing WINSTORM software package.

**Preparation of Final Report** work consisted of developing a bound drainage report showing the three alternatives and selection of the recommended alternative. The final results were presented to the City Commission and the recommendations in the report were adopted.

**Project Relevance:** This project was a State Funded Project through the Texas General Land Office. RGECE performed the Engineering Drainage Improvement Design for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet

- ✓ **Project Management**
- ✓ **Preliminary Engineering**
- ✓ **ROW Data**
- ✓ **Utility Identification**
- ✓ **Surveying**
- ✓ **Drainage Design**





| Minnesota Drain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Client:</b> Hidalgo County Urban County<br>1916 Tesoro Boulevard<br>Pharr, Texas 78577<br><b>Contact:</b> Mr. Tony Barco<br><b>Telephone:</b> (956)787-8127<br><b>Email:</b> antonio.barco@ucp.co.hidalgo.tx.us                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Project Type: Project Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Technical & Administrative Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p><b>Work Summary:</b> The firm worked as Project Engineer responsible for data collection, utility coordination, right-of-way mapping and parcels preparation, geotechnical investigations, preliminary engineering analysis, engineering, bidding assistance, and construction administration to an existing drainage channel beginning at Minnesota Road which runs north approximately 0.25 mile and runs east approximately 1.00 miles where it converges with an existing drainage ditch.</p> <p><b>Preliminary Engineering</b> work included preparing schematic layouts of the project limits. Existing data was obtained including USGS Quad maps, existing subdivision plans, and existing roadway and drainage improvement plans. A detention pond was designed and proposed at the low end of the watershed just before draining into the North San Juan Lateral drain ditch.</p> <p><b>Right-of-Way Data</b> included developing a schematic layout of the existing street, irrigation canal and drain ditch right-of-ways.</p> <p><b>Utility Identification</b> consisted of obtaining information of existing utilities within the project limits. Conflicts were identified and taken into account in developing the ultimate drainage plan.</p> <p><b>Detailed Surveying</b> consisted of obtaining detailed topographic survey of the project area with particular attention paid to existing drainage facilities, including manholes and inlets. Elevations were obtained on a 100-foot grid in places where reliable contours did not exist. Right-of-Way property corners were identified and verified by locating existing property corners for use in developing an accurate schematic layout of the project area. And cross-sections of drain ditches and detention pond areas were obtained for use in design. Benchmarks were placed within the project for later use in construction.</p> <p><b>Drainage Design</b> included hydrologic analysis of the project area by dividing the watershed into numerous sub-basins, each pertaining to an existing storm sewer inlet and utilizing the rational method for determining the storm runoff. A hydraulic design of proposed improvements for the severely undersized storm sewer system was developed utilizing the WINSTORM software package. A detention pond along with the necessary drainage culverts was developed utilizing HEC-RAS software package.</p> <p><b>Preparation of Final Report</b> work consisted of developing a bound drainage report showing the three alternatives and selection of the recommended alternative. The final results were presented to the City Commission and the recommendations in the report were adopted.</p> <p><b>Project Relevance:</b> This project was a <u>Federal Funded Project through the Texas General Land Office</u>. RGEC performed the <u>Engineering Drainage Improvement Design</u> as well as the <u>Construction Management</u> for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet</p> | <ul style="list-style-type: none"> <li>✓ <b>Project Management</b></li> <li>✓ <b>Preliminary Engineering</b></li> <li>✓ <b>ROW Data</b></li> <li>✓ <b>Utility Identification</b></li> <li>✓ <b>Surveying</b></li> <li>✓ <b>Hydrology Analysis</b></li> <li>✓ <b>Hydrologic Analysis</b></li> <li>✓ <b>Drainage Design</b></li> </ul> <div style="text-align: center;"> <br/> <br/>  </div> |

| Southfork Drainage Lateral                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Client:</b> Hidalgo County Precinct No. 2<br>300 W. Hall Acres<br>Pharr, Texas 78577<br><b>Contact:</b> Humberto Garza, Chief Administrator<br><b>Telephone:</b> (956) 975-6490 cell<br><b>Email:</b> borderaffairs@aol.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Project Type: Project Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Technical & Administrative Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p><b>Work Summary:</b> The firm worked as Project Engineer responsible for data collection, utility coordination, right-of-way mapping and parcels preparation, geotechnical investigations, preliminary engineering analysis, engineering, bidding assistance, and construction administration to an existing drainage channel beginning at South "I" Road and runs in sections East and North in a general Northeast direction for approximately 2 miles until it intersects with Anaya Road where it converges with the north floodway.</p> <p><b>Preliminary Engineering</b> work included preparing schematic layouts of the project limits. Existing data was obtained including USGS Quad maps, existing subdivision plans, and existing roadway and drainage improvement plans. A detention pond was designed and proposed at the low end of the watershed just before draining into the North San Juan Lateral drain ditch.</p> <p><b>Right-of-Way Data</b> included developing a schematic layout of the existing street, irrigation canal and drain ditch right-of-ways.</p> <p><b>Utility Identification</b> consisted of obtaining information of existing utilities within the project limits. Conflicts were identified and taken into account in developing the ultimate drainage plan.</p> <p><b>Detailed Surveying</b> consisted of obtaining detailed topographic survey of the project area with particular attention paid to existing drainage facilities, including manholes and inlets. Elevations were obtained on a 100-foot grid in places where reliable contours did not exist. Right-of-Way property corners were identified and verified by locating existing property corners for use in developing an accurate schematic layout of the project area. And cross-sections of drain ditches and detention pond areas were obtained for use in design. Benchmarks were placed within the project for later use in construction.</p> <p><b>Drainage Design</b> included hydrologic analysis of the project area by dividing the watershed into numerous sub-basins, each pertaining to an existing storm sewer inlet and utilizing the rational method for determining the storm runoff. A hydraulic design of proposed improvements for the severely undersized storm sewer system was developed utilizing the WINSTORM software package. A detention pond along with the necessary drainage culverts was developed utilizing HEC-RAS software package. We managed the construction administrative services of the project.</p> <p><b>Preparation of Final Report</b> work consisted of developing a bound drainage report showing the three alternatives and selection of the recommended alternative. The final results were presented to the County Commission and the recommendations in the report were adopted.</p> <p><b>Project Relevance:</b> This project was a <u>State Funded Project</u>. RGEC performed the <u>Engineering Drainage Improvement Design</u> as well as the <u>Construction Management</u> for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet.</p> | <ul style="list-style-type: none"> <li>✓ <b>Project Management</b></li> <li>✓ <b>Preliminary Engineering</b></li> <li>✓ <b>ROW Data</b></li> <li>✓ <b>Utility Identification</b></li> <li>✓ <b>Surveying</b></li> <li>✓ <b>Hydrology Analysis</b></li> <li>✓ <b>Hydrologic Analysis</b></li> <li>✓ <b>Drainage Design</b></li> <li>✓ <b>Construction Management</b></li> </ul>   |

## North San Juan Drainage Lateral Project

**Client:** Hidalgo County Drainage District #1  
902 N. Doolittle Rd.  
Edinburg, Texas 78541

**Contact:** Raul Sesin, PE

**Telephone:** 956-292-7080

**Email:** r.sesin@hcdd1.org

### Project Type: Project Engineer – Develop Design Alternatives

### Technical & Administrative Services

**Work Summary:** The project consists of analyzing and developing design alternatives for the improvements to an existing 5.5-mile Hidalgo County Irrigation District No. 2 drain ditch that the Hidalgo County Drainage District No. 1 will be taking over. The proposed improvements were triggered by the need for providing an outfall for the SH 495 construction project. Work involved analyzing the contributing watershed under existing conditions based on a 9.5-year agricultural runoff, which the current Hidalgo County drainage system is designed to convey and under a future 25-year developed condition. Runoffs were determined for both situations and the drainage lateral was designed to convey the 9.5-year agricultural runoff and to detain the difference between the 9.5 year agricultural runoff and the 25 year developed condition runoff. The National Resource Conservation Service Technical Release 55 (TR-55) Graphical Peak Discharge Method was used to determine the peak runoff utilizing runoff curve numbers pertinent to the local area. Drainage lateral was modeled utilizing HEC-RAS. This project will provide for the drainage of an area encompassing FM 495 on the south, FM 907 on the East, the Main Drain north of Wisconsin Road on the north and FM 1426 (Raul Longoria Road) on the west.

**Preliminary Engineering** work included preparing schematic plans and presenting our proposed improvements to the Hidalgo County Drainage District No. 1 to inform them of the project and to solicit their input for the development of the project.

A **Right-of-Way Map** was developed to determine the right-of-way needing to be acquired for this project. Property parcel sketches and parcel metes and bounds are to be prepared as part of the right-of-way mapping for use in acquiring the land necessary for the new channel.

**Utility** information has been obtained of all existing utilities within the project limits. Conflicts were identified and the necessary adjustments are being coordinated with the various utility companies.

**Detailed Design Surveying** consisted of acquiring detailed topographic survey of the project area including cross-sections of the right-of-way and drain ditches for use in design. Benchmarks were placed along the project length for later use in construction.

**Detailed Right-of-Way Surveying** consists of developing the property descriptions and parcel sketches of the individual parcels to be acquired for the construction of the project. A right-of-way strip map was developed of the project indicating the property to be acquired for the project.

**Soils and Geotechnical Studies** included obtaining soil borings to a depth of 20-feet for use in determining the existing soil properties and water table conditions to be expected by the Contractor and to determine if special design would be required.

**Drainage Design** included hydrologic analysis of the project drainage basin utilizing NCRS TR-55 Peak Discharge Method and the HEC-HMS software package. A hydraulic design of a proposed drainage channel along with the necessary drainage culverts was developed utilizing HEC-RAS software package.

- ✓ **Project Management**
- ✓ **Preliminary Engineering**
- ✓ **ROW Data**
- ✓ **Detailed ROW Surveying**
- ✓ **Soil & Geotechnical Studies**
- ✓ **Utility Identification**
- ✓ **Detailed Design Surveying**
- ✓ **Hydrology Analysis**
- ✓ **Hydrologic Analysis**
- ✓ **Drainage Design**
- ✓ **Traffic Control Plan**
- ✓ **Plan, Specifications & Estimates**
- ✓ **Construction Administration**





**Traffic Control Plan** design included determining the best sequence of construction, designing temporary detours or road closures where necessary and utilizing the appropriate construction traffic signs in conformance with the Texas Manual of Traffic Control Devices.

**Miscellaneous Items** included storm water pollution prevention plan (SW3P) and irrigation structure adjustments.

**Plan, Specifications and Estimate (PS&E)** work consisted of preparing and submitting to the HCDD#1 construction plans, specifications and estimate for the construction of new culvert crossings at all existing roadways and irrigation canals. All the necessary documentation required including the general notes and bid documents for bidding of the project were developed for each culvert crossing.

**Construction Administration** work consisted of evaluating the bids received, making a recommendation for award of contract to lowest responsive bidder, conducting a pre-construction meeting with the Owner and Contractor, performing periodic construction site observations, processing contractor pay requests, performing final inspection in conjunction with the Owner and preparing project closeout documentation.

**Project Management** work included developing a preliminary report of the proposed project, developing preliminary estimates, coordinating the work of various groups and preparing project progress reports for the client.

**Project Relevance:** This project was a Federal Funded Project through the Texas General Land Office. RGECC performed the Engineering Drainage Improvement Design as well as the Construction Management for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet





## 2012 Bond Referendum

### Minnesota Meadows/Seminole Valley Subdivision Area Drainage Improvements

**Client:** Hidalgo County Drainage District No. 1

**Address:** 902 N Doolittle Rd.

Edinburg, TX 78542

**Contact:** Noe Saldivar, PE

**Telephone:** (956) 292-7080

#### Project Type: Project Engineer

#### Technical & Administrative Services

**RGEC** worked as Project Engineer responsible for engineering services for the development of plans, specifications and estimate, bidding assistance and construction administration services for the proposed drainage improvements of the area between Nolana Loop north to Owassa Road and between Alamo Road and Cesar Chavez Road in north Alamo, Texas consisting of underground storm sewer structures and a trapezoidal open drainage channel. This project was developed from conception through the final report stage. Work included preliminary engineering, right of way data, utility identification, surveying, hydrologic & hydraulic analysis, drainage design, and preparation of final report. The work also included project management. Preliminary engineering work included preparing schematic layouts of the project limits. Existing data was obtained including existing subdivision plans and existing roadway and drainage improvement plans. Additional survey data was obtained to complement the data available and to complete the schematic layout of the watershed. Drainage schemes were developed and evaluated as to their cost effectiveness. A recommendation was made for new drainage improvements to alleviate flooding in the low surrounding areas. Drainage improvements were designed to extend storm water runoff from surrounding areas to a centrally located existing drainage ditch. Right-of-way data included developing a schematic layout of the existing street and irrigation right-of-way. A ROW map was also prepared for property acquisition. Property parcel maps and metes and bounds descriptions for parcels were prepared. Utility identification consisted of obtaining information of existing utilities within the project limits. Conflicts were identified and taken into account in developing the ultimate drainage plan. Detailed surveying consisted of obtaining detailed topographic survey of the project area including utilities of a 150' corridor centered on the proposed alignment of the drainage improvements. Right-of-Way property corners were identified and verified by locating existing property corners for use in developing an accurate schematic layout of the project area. Cross sections were taken at 150' intervals. Benchmarks were placed within the project for use in construction. Drainage design included hydrologic analysis of the areas where the proposed drainage improvements will serve and utilizing the rational method for determining the storm runoff. A hydraulic design of proposed improvements for the non-existent drainage structures was developed utilizing the WINSTORM software package for the proposed storm sewer system and HEC-RAS for the open ditch.

**Project Relevance:** This project was Funded through Local Government. RGEC performed the Engineering Drainage Improvement Design as well as the Construction Management for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet.

- ✓ **Project Management**
- ✓ **Preliminary Engineering**
- ✓ **ROW Data**
- ✓ **Detailed ROW Surveying**
- ✓ **Soil & Geotechnical Studies**
- ✓ **Utility Identification**
- ✓ **Detailed Design Surveying**
- ✓ **Hydrology Analysis**
- ✓ **Hydrologic Analysis**
- ✓ **Drainage Design**
- ✓ **Traffic Control Plan**
- ✓ **Plan, Specifications & Estimates**
- ✓ **Construction Administration**



| 12 Bond Referendum<br>Hidden Valley / Northside Village Subdivision Area Drainage Improvements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Client:</b> Hidalgo County Drainage District No. 1<br><b>Address:</b> 902 N Doolittle Rd.<br>Edinburg, TX 78542<br><b>Contact:</b> Noe Saldivar, PE<br><b>Telephone:</b> (956) 292-7080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Project Type: Project Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Technical & Administrative Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p><b>RGEC</b> worked as Project Engineer responsible for engineering services for the development of plans, specifications and estimate, bidding assistance and construction administration services for the proposed drainage improvements of the Hidden Valley / Northside Village Subdivision areas in north Alamo, Texas consisting of underground storm sewer structures for these 2 subdivisions. This project was developed from conception through final construction. Work included preliminary engineering, right of way data, utility identification, surveying, hydrologic &amp; hydraulic analysis, drainage design, preparation of final report, preparation of bid documents, tabulation of bids and making a recommendation for award. The work also included project management. Preliminary engineering work included preparing schematic layouts of the project limits. Existing data was obtained including existing subdivision plans and existing roadway and drainage improvement plans. Additional survey data was obtained to complement the data available and to complete the schematic layout of the watershed. Drainage schemes were developed and evaluated as to their cost effectiveness. A recommendation was made for new drainage improvements to alleviate flooding in the low subdivision areas. Drainage improvements were designed to extend storm water runoff from each subdivision to an existing drainage ditch located between the two subdivisions. Right-of-way data included developing a schematic layout of the existing street and irrigation right-of-way. A ROW map was also prepared for property acquisition. Property parcel maps and metes and bounds descriptions for parcels were prepared. Utility identification consisted of obtaining information of existing utilities within the project limits. Conflicts were identified and taken into account in developing the ultimate drainage plan. Detailed surveying consisted of obtaining detailed topographic survey of the project area including utilities of a 150' corridor centered on the proposed alignment of the drainage improvements. Right-of-way property corners were identified and verified by locating existing property corners for use in developing an accurate schematic layout of the project area. Cross sections were taken at 150' intervals. Benchmarks were placed within the project for use in construction. Drainage design included hydrologic analysis of each subdivision area and utilizing the rational method for determining the storm runoff. A hydraulic design of proposed improvements for the proposed storm sewer system was developed utilizing the WINSTORM software package.</p> <p><b>Project Relevance:</b> This project was <u>Funded through Local Government</u> RGEC performed the <u>Engineering Drainage Improvement Design</u> as well as the <u>Construction Management</u> for this project. This project was Completed on Schedule and it remained within the established Budgetary Constraints. All design and construction deliverables were of the Highest Quality. These remarks can be checked with the corresponding Point of contact mentioned in this project summary sheet.</p> | <ul style="list-style-type: none"> <li>✓ <b>Project Management</b></li> <li>✓ <b>Preliminary Engineering</b></li> <li>✓ <b>ROW Data</b></li> <li>✓ <b>Detailed ROW Surveying</b></li> <li>✓ <b>Soil &amp; Geotechnical Studies</b></li> <li>✓ <b>Utility Identification</b></li> <li>✓ <b>Detailed Design Surveying</b></li> <li>✓ <b>Hydrology Analysis</b></li> <li>✓ <b>Hydrologic Analysis</b></li> <li>✓ <b>Drainage Design</b></li> <li>✓ <b>Traffic Control Plan</b></li> <li>✓ <b>Plan, Specifications &amp; Estimates</b></li> <li>✓ <b>Construction Administration</b></li> </ul> <div style="text-align: center;"> <br/>  </div> |

**List of past local government clients**

Affordable Homes of South Texas  
Amigos Del Valle  
City of Alamo  
City of Alton  
City of Donna  
City of Edinburg  
City of Hidalgo  
City of La Feria  
City of La Joya  
City of McAllen  
City of Mercedes  
City of Palmview  
City of Pharr  
City of San Juan  
Pharr Housing Authority  
Hidalgo County  
Hidalgo County Drainage District No. 1  
Hidalgo County Urban County Program  
Hidalgo County Regional Mobility Authority  
Hidalgo County Housing Authority  
Edinburg Independent School District  
PSJA Independent School District  
South Texas College  
Texas General Land Office

## ADDITIONAL INFORMATION AND SUBMITTALS

**RGEC** has a staff with numerous years of experience working on projects in the Rio Grande Valley. With this considerable experience, we can be counted upon to provide professional, competent professional engineering services tailored to the needs of the **City of Weslaco**. We have worked with multiple municipalities and their respective public utilities departments alongside various agencies affected by or that may affect these types of projects.

### DBE/MBE/WBE and Affirmative Action Status:

**RGEC** is currently certified as a **Disadvantaged Business Enterprise** by the Texas Department of Transportation and as a HUB by the State of Texas General Services Commission. Copies of the firm's HUB and DBE certificates are included on our credentials section. The firm is 100% minority owned and has a policy of not discriminating in hiring, promotion, treatment, or other terms and conditions of employment based on race, sex, national origin, age, disability, or in any way violate Title VII of 1964 Civil Rights Act and amendments, except as permitted by said laws.





## REFERENCES

The following is a list of references for **RGEC**:

|                                                                                                                                        |                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hidalgo County Drainage District No. 1</b><br>Raul Sesin<br>902 N. Doolittle<br>Edinburg, TX 78539<br>(956) 292-7080                | <b>Hidalgo County Pct. 1</b><br>County Commissioner David Fuentes<br>1902 Joe Stephens Blvd., #101<br>Weslaco, TX 78596<br>(956) 968-8733 |
| <b>City of Pharr</b><br>Mr. Omar Anzaldúa, PE<br>City Engineer<br>118 South Cage Boulevard<br>Pharr, TX 78577<br>(956) 402-4221        | <b>Hidalgo County Urban County Program</b><br>Tony Barco<br>1916 Tesoro Street<br>Pharr, TX 78577<br>(956) 787-8127                       |
| <b>McAllen Public Utility</b><br>Carlos Gonzalez, PE<br>Utility Engineer<br>1300 Houston Avenue<br>McAllen, TX 78501<br>(956) 681-1777 | <b>South Texas College</b><br>Mr. Roberto Cuellar<br>Project Manager<br>3200 W. Pecan Boulevard<br>McAllen, Texas 78501<br>(956) 872-3737 |
| <b>City of La Feria</b><br>Jaime Sandoval<br>City Manager<br>115 E. Commercial Avenue<br>La Feria, TX 78559<br>(956) 797-2261          | <b>City of Mercedes</b><br>Sergio Zavala<br>City Manager<br>400 S. Ohio Street<br>Mercedes, TX 78570<br>(956) 650-5402                    |

**CONFLICT OF INTEREST:** Neither **RGEC** or its principal, have any "conflict of interest" with the **City of Weslaco**. If while conducting business with the **City of Weslaco**, a conflict of interest should arise, as per Chapter 176 of the Texas Local Government Code, **RGEC** will file a completed "Conflict of Interest Questionnaire" with the records administrator for the **City of Weslaco** no later than the 7th business day after the date **RGEC** becomes aware of facts that require the statement to be filed.

With regards to Instruction #34, House Bill 1295 (Certificate of Interested Parties – Form 1295), **RGEC** has uploaded its completed Certificate of Interested Parties – Form 1295.



## **ATTACHMENTS**

- 1) Certificate of Insurance**
- 2) Statement of Conflicts**
- 3) System of Awarded Management**
- 4) Form CIQ**
- 5) Certification Regarding Lobbying**
- 6) Form 1295**
- 7) Required Contract Provisions**





## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/13/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER                      | IAM Insurance Agency L.L.C.<br>P.O. Box 657<br>Edinburg, Texas 78540                             | CONTACT NAME: Smiley Martinez<br>PHONE (A/C, No, Ext): (956) 207-2789<br>E-MAIL: iamins@sbcbglobal.net<br>ADDRESS:                                                                                                                                                                                                                                                                                                                                                                           | FAX (A/C, No): ( ) - |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
|-------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|--------|-----------------------------|--|-------------------------------|--|-----------------------------|--|-------------------------------|--|--------------------------|--|-----------------------------|--|
| INSURED                       | R. Gutierrez Engineering Corporation<br>Ramiro Gutierrez<br>130 East Park Ave<br>Pharr, TX 78577 | <table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Travelers Ins GL</td> <td></td> </tr> <tr> <td>INSURER B: Travelers Ins Auto</td> <td></td> </tr> <tr> <td>INSURER C: Travelers Ins PL</td> <td></td> </tr> <tr> <td>INSURER D: Travelers Umbrella</td> <td></td> </tr> <tr> <td>INSURER E: Travelers Ins</td> <td></td> </tr> <tr> <td>INSURER F: Travelers Ins WC</td> <td></td> </tr> </tbody> </table> |                      | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A: Travelers Ins GL |  | INSURER B: Travelers Ins Auto |  | INSURER C: Travelers Ins PL |  | INSURER D: Travelers Umbrella |  | INSURER E: Travelers Ins |  | INSURER F: Travelers Ins WC |  |
| INSURER(S) AFFORDING COVERAGE | NAIC #                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER A: Travelers Ins GL   |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER B: Travelers Ins Auto |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER C: Travelers Ins PL   |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER D: Travelers Umbrella |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER E: Travelers Ins      |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |
| INSURER F: Travelers Ins WC   |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                               |        |                             |  |                               |  |                             |  |                               |  |                          |  |                             |  |

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                               | ADDL INSD                           | SUBR WVD                            | POLICY NUMBER        | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------------|-------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 68-G009L143548-19-47 | 11/05/2019              | 11/05/2020              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000<br>MED EXP (Any one person) \$ 5,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>\$ |
| B        | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY<br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY<br><input type="checkbox"/> HIRED AUTOS ONLY<br><input checked="" type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | BA-2P942219          | 11/05/2019              | 11/05/2020              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$ 62,000<br>\$                                                                           |
| D        | <input checked="" type="checkbox"/> UMBRELLA LIAB<br><input checked="" type="checkbox"/> EXCESS LIAB<br><input type="checkbox"/> OCCUR<br><input type="checkbox"/> CLAIMS-MADE<br>DED RETENTION \$                                                                                                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | CUP-007N156945       | 11/05/2019              | 11/05/2020              | EACH OCCURRENCE \$ 1,000,000<br>AGGREGATE \$ 1,000,000<br>\$<br>PER STATUTE OTH-ER                                                                                                                                                               |
| F        | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                          | <input type="checkbox"/>            | N/A                                 | UB-2P944077          | 11/05/2019              | 11/05/2020              | E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                                                                                                           |
| C        | Professional Liability                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 107005376            | 11/05/2019              | 11/05/2020              | 2,000,000<br>2,000,000<br>1W/H Ded. \$183,000                                                                                                                                                                                                    |
| E        | Business Personal Property                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 68-G009L143548-19-47 | 11/05/2019              | 11/05/2020              | 1W/H Ded. \$183,000                                                                                                                                                                                                                              |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

## CERTIFICATE HOLDER

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

## AUTHORIZED REPRESENTATIVE

Ismael A. Martinez

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 **ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 02/15/2020 from 8:00 AM to 1:00 PM

## Entity Dashboard

- [Entity Overview](#)
- [Entity Registration](#)
  - [Core Data](#)
  - [Assertions](#)
  - [Reps & Certs](#)
  - [POCs](#)
- [Reports](#)
  - [Service Contract Report](#)
  - [BioPreferred Report](#)
- [Exclusions](#)
  - [Active Exclusions](#)
  - [Inactive Exclusions](#)
  - [Excluded Family Members](#)

[BACK TO USER DASHBOARD](#)

R GUTIERREZ ENGINEERING CORP  
DUNS: 021739730 CAGE Code: 4S4Z5  
Status: Active  
Expiration Date: 10/13/2020  
Purpose of Registration: All Awards

130 E Newcombe Ave Pharr  
Pharr, TX, 78577-4848 ,  
UNITED STATES

### Entity Overview

#### Entity Registration Summary

DUNS: 021739730  
**Name: R GUTIERREZ ENGINEERING CORP**  
Business Type: Business or Organization  
Last Updated By: Javier Gutierrez  
Registration Status: Active  
**Activation Date: 10/14/2019**  
**Expiration Date: 10/13/2020**

#### Exclusion Summary

Active Exclusion Records? No



IBM-P-20200124-1615  
WWW3

|                                |                                |                             |
|--------------------------------|--------------------------------|-----------------------------|
| <a href="#">Search Records</a> | <a href="#">Disclaimers</a>    | <a href="#">FAPIS.gov</a>   |
| <a href="#">Data Access</a>    | <a href="#">Accessibility</a>  | <a href="#">GSA.gov/IAE</a> |
| <a href="#">Check Status</a>   | <a href="#">Privacy Policy</a> | <a href="#">GSA.gov</a>     |
| <a href="#">About</a>          |                                | <a href="#">USA.gov</a>     |
| <a href="#">Help</a>           |                                |                             |



**CONFLICT OF INTEREST QUESTIONNAIRE**  
For vendor doing business with local governmental entity

**FORM CIQ**

This questionnaire reflects changes made to the law by H.B. 22, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

NONE

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A Is the local government officer or a family member of the officer receiving or likely to receive taxable income other than investment income from the vendor?

☐ Yes

☒ No

B Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☒ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7   
Signature of vendor doing business with the governmental entity

9/10/20  
Date

Approved by OMB  
0348-0046

### Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                 |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><u>N/A</u><br>a. contract<br>b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Status of Federal Action:</b><br><u>N/A</u><br>a. bid/offer/application<br>b. initial award<br>c. post-award | <b>Report Type:</b><br><u>N/A</u><br>a. initial filing<br>b. material change                                                                                                                         |
| <b>Name and Address of Reporting Entity:</b><br><u>N/A</u> Prime <u>N/A</u> Subawardee<br>Tier _____, if Known:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                 | <b>If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b> <u>N/A</u>                                                                                                       |
| <b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                 | <b>Congressional District, if known:</b>                                                                                                                                                             |
| <b>Federal Department/Agency:</b><br><br><u>N/A</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                 | <b>7. Federal Program Name/Description:</b><br><br>CFDA Number, if applicable: <u>N/A</u>                                                                                                            |
| <b>Federal Action Number, if known:</b><br><br><u>N/A</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                 | <b>9. Award Amount, if known:</b><br><br>\$ <u>N/A</u>                                                                                                                                               |
| <b>10. a. Name and Address of Lobbying Registrant</b><br>(if individual, last name, first name, MI):<br><br><u>N/A</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                 | <b>b. Individuals Performing Services</b> (including address if different from No. 10a)<br>(last name, first name, MI):<br><br><u>N/A</u>                                                            |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> |                                                                                                                 | <b>Signature:</b> <u>Ramiro Gutierrez</u><br><b>Print Name:</b> <u>Ramiro Gutierrez</u><br><b>Title:</b> <u>President</u><br><b>Telephone No.:</b> <u>(956) 782-2557</u> <b>Date:</b> <u>9/10/20</u> |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                 | <b>Authorized for Local Reproduction<br/>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                         |

RGEC is not involved in any lobbying activities at any government level.

## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, **R Gutierrez Engineering Corporation**, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

  
Signature of Contractor's Authorized Official

**Ramiro Gutierrez, PE**  
Printed Name and Title of Contractor's Authorized Official

September 10, 2020  
Date

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:  
2020-665648

Date Filed:  
09/09/2020

Date Acknowledged:

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

R Gutierrez Engineering Corporation  
Pharr, TX United States

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**

City of Weslaco, Hidalgo County, Texas

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**

RFP 2019-20-24

Request for Qualifications for Engineering/Architectural/Surveying Services for Community Development Block Grant Mitigation (CDBG-MIT)

| 4 | Name of Interested Party | City, State, Country (place of business) | Nature of interest (check applicable) |              |
|---|--------------------------|------------------------------------------|---------------------------------------|--------------|
|   |                          |                                          | Controlling                           | Intermediary |
|   | Gutierrez, Ramiro        | Pharr, TX United States                  | X                                     |              |
|   |                          |                                          |                                       |              |
|   |                          |                                          |                                       |              |
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5 Check only if there is NO Interested Party. ☐

**6 UNSWORN DECLARATION**

My name is Ramiro Gutierrez, and my date of birth is 12-01-1960

My address is 1203 S. GUNWOOD, Pharr, TX, 78577, US  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in HIDALGO County, State of TEXAS, on the 10<sup>th</sup> day of Sept, 20 20  
(month) (year)

Ramiro Gutierrez  
Signature of authorized agent of contracting business entity  
(Declarant)



## Exhibit D: REQUIRED CONTRACT PROVISIONS

2 CFR 200.326 Contract provisions. The non-Federal entity's contracts must contain the applicable provisions described in Appendix II to Part 200—Contract Provisions for non-Federal Entity Contracts Under Federal Awards. The non-Federal entity's contracts must contain the applicable provisions described in Appendix II to Part 200—Contract Provisions for non-Federal Entity Contracts Under Federal Awards.

### All Contracts

| THRESHOLD                                        | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CITATION                  |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| >\$150,000<br>(Simplified Acquisition Threshold) | Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.                                                                                                                                                                                                                                                   | 2 CFR 200 APPENDIX II (A) |
| >\$10,000                                        | All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 CFR 200 APPENDIX II (B) |
| None                                             | Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. | 2 CFR 200 APPENDIX II (F) |
| None                                             | Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.                                                                                          | 2 CFR 200 APPENDIX II (H) |
| None                                             | Records of non-Federal entities. The U.S. Department of Housing and Urban Development (HUD), Inspectors General, the Comptroller General of the United States, the Texas General Land Office (GLO), and the pass-through entity, or any of their authorized representatives, must have the right of access to any documents, papers, or other records of the non-Federal entity which are pertinent to the Federal award, in order to make audits, examinations, excerpts, and transcripts. The right also includes timely and reasonable access to the non-Federal entity's personnel for the purpose of interview and discussion related to such documents.                                                                 | 2 CFR 200.336             |
| None                                             | Financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. The only exceptions are the following:                                         | 2 CFR 200.333             |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
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|      | <p>(a) If any litigation, claim, or audit is started before the expiration of the 3-year period, the records must be retained until all litigation, claims, or audit findings involving the records have been resolved and final action taken.</p> <p>(b) When the non-Federal entity is notified in writing by the Federal awarding agency, cognizant agency for audit, oversight agency for audit, cognizant agency for indirect costs, or pass-through entity to extend the retention period.</p> <p>(c) Records for real property and equipment acquired with Federal funds must be retained for 3 years after final disposition.</p> <p>(d) When records are transferred to or maintained by the Federal awarding agency or pass-through entity, the 3-year retention requirement is not applicable to the non-Federal entity.</p> <p>(e) Records for program income transactions after the period of performance. In some cases recipients must report program income after the period of performance. Where there is such a requirement, the retention period for the records pertaining to the earning of the program income starts from the end of the non-Federal entity's fiscal year in which the program income is earned.</p> <p>(f) Indirect cost rate proposals and cost allocations plans. This paragraph applies to the following types of documents and their supporting records: indirect cost rate computations or proposals, cost allocation plans, and any similar accounting computations of the rate at which a particular group of costs is chargeable (such as computer usage chargeback rates or composite fringe benefit rates).</p> <p>(1) If submitted for negotiation. If the proposal, plan, or other computation is required to be submitted to the Federal Government (or to the pass-through entity) to form the basis for negotiation of the rate, then the 3-year retention period for its supporting records starts from the date of such submission.</p> <p>(2) If not submitted for negotiation. If the proposal, plan, or other computation is not required to be submitted to the Federal Government (or to the pass-through entity) for negotiation purposes, then the 3-year retention period for the proposal, plan, or computation and its supporting records starts from the end of the fiscal year (or other accounting period) covered by the proposal, plan, or other computation.</p> |               |
| None | <p>Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.</p> <p>(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.</p> <p>(b) Affirmative steps must include:</p> <p>(1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;</p> <p>(2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;</p> <p>(3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 CFR 200.321 |

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|                                                                     | <p>(4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;</p> <p>(5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and</p> <p>(6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.</p> |          |
| Option Contract Language for contracts awarded prior to Grant Award | The contract award is contingent upon the receipt of CDBG-DR funds. If no such funds are awarded, the contract shall terminate.                                                                                                                                                                                                                                                                                                                                                                                                                     | Optional |

EO Clause for Construction Contracts > \$10K including administration & engineering contracts associated with construction contracts

| THRESHOLD | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CITATION                                               |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| >\$10,000 | <p>Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."</p> <p>41 CFR 60-1.4 Equal opportunity clause.</p> <p>(b) Federally assisted construction contracts. (1) Except as otherwise provided, each administering agency shall require the inclusion of the following language as a condition of any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of the equal opportunity clause:</p> <p>The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:</p> <p>During the performance of this contract, the contractor agrees as follows:</p> <p>(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:</p> <p>Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.</p> <p>(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.</p> <p>(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to</p> | <p>41 CFR §60-1.4(b) and 2 CFR 200 APPENDIX II (C)</p> |



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|  | <p>individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.</p> <p>(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.</p> <p>(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.</p> <p>(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.</p> <p>(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.</p> <p>(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:</p> <p>Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.</p> <p>The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.</p> <p>The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules,</p> |  |
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|  | <p>regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.</p> <p>The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.</p> <p>(c) Subcontracts. Each nonexempt prime contractor or subcontractor shall include the equal opportunity clause in each of its nonexempt subcontracts.</p> <p>(d) Inclusion of the equal opportunity clause by reference. The equal opportunity clause may be included by reference in all Government contracts and subcontracts, including Government bills of lading, transportation requests, contracts for deposit of Government funds, and contracts for issuing and paying U.S. savings bonds and notes, and such other contracts and subcontracts as the Director of OFCCP may designate.</p> <p>(e) Incorporation by operation of the order. By operation of the order, the equal opportunity clause shall be considered to be a part of every contract and subcontract required by the order and the regulations in this part to include such a clause whether or not it is physically incorporated in such contracts and whether or not the contract between the agency and the contractor is written.</p> <p>(f) Adaptation of language. Such necessary changes in language may be made in the equal opportunity clause as shall be appropriate to identify properly the parties and their undertakings.</p> <p>[80 FR 54975, Sept. 11, 2015]</p> |  |
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| THRESHOLD  | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CITATION                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| >\$2,000   | <p><i>Compliance with the Davis-Bacon Act (40 U.S.C. 3141 et seq.) as supplemented by Department of Labor regulations (29 CFR part 5) and with the Copeland "Anti-Kickback" Act (18 U.S.C. 874; 40 U.S.C. 3145) as supplemented in Department of Labor regulations (29 CFR part 3):</i></p> <p>Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.</p> | 2 CFR 200<br>APPENDIX II (D)                              |
| >\$100,000 | <p>Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 CFR 200<br>APPENDIX II (E)                              |
| >\$150,000 | <p>Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 CFR 200<br>APPENDIX II (G)                              |
| >\$100,000 | <p>Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 CFR 200<br>APPENDIX II (I)<br>and<br>24 CFR<br>§570.303 |

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|            | <p>employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |
| >\$100,000 | <p>All Section 3 covered contracts shall include the following clause (referred to as the Section 3 clause):</p> <p>A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.</p> <p>B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.</p> <p>C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.</p> <p>D. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.</p> <p>E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.</p> <p>F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.</p> <p>G. With respect to work performed in connection with Section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i)</p> | 24 CFR §135.38 |



|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|  | <p>preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
|  | <p>A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.</p> <p>[78 FR 78608, Dec. 26, 2013, as amended at 79 FR 75885, Dec. 19, 2014]</p> | <p>2 CFR 200<br/>APPENDIX II (J)</p> |
|  | <p>Mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>42 U.S.C. 6201</p>                |

## **Ramiro Gutierrez., PE**

President and Principal In Charge

### **EDUCATION**

- Bachelors of Science in Civil Engineering

University of Texas at Austin,  
Austin, Texas  
1983

### **PROFESSIONAL REGISTRATION**

- Professional Engineer, State of Texas, #65948

### **LANGUAGE**

- Speaks proficient English and Spanish.

### **AFFILIATIONS**

- National Society of Professional Engineers, President of RGV Chapter
- American Society of Civil Engineers
- American Concrete Institute

### **LEADERSHIP AND COMMUNITY INVOLVEMENT**

- City of Pharr Building Standards Commission
- City of Pharr Board of Adjustments
- City of Pharr Civil Service Commission (Previous Member)

### **YEARS WITH FIRM**

22 Years



**PE**  **LS**

Texas Board of Professional  
Engineers and Land Surveyors

### **BIOGRAPHIC SUMMARY AND EXPERIENCE**

Mr. Ramiro Gutierrez, PE is the principal in charge of R. Gutierrez Engineering Corporation and through his broad range of experience offers his clients a commitment of unsurpassed integrity, excellence and satisfaction. Mr. Gutierrez is proud of his excellent reputation in meeting client's aggressive schedules, and his ability to assemble multi-disciplinary project teams to give the client the specialized attention and service they merit.

Mr. Ramiro Gutierrez, PE is a long-time resident of the Rio Grande Valley. He grew up in San Juan, Texas, and currently resides in Pharr, Texas. He is a former Texas Department of Transportation (TXDOT) engineer. While with TXDOT, Mr. Gutierrez worked in various capacities in the Pharr, Austin, and Corpus Christi Districts. His last position with TXDOT was that of Area Engineer in the Alice Area Office where he was responsible for the design, construction and maintenance activities on State roads in Jim Wells, Kleberg, Live Oak and Nueces Counties. Before opening his own firm, Mr. Gutierrez worked for a large engineering firm as a Project Manager responsible for developing transportation, municipal and site development type projects. Since founding his own firm Mr. Gutierrez has worked extensively in the Hidalgo County area on a wide variety of projects including municipal infrastructure projects related to streets, drainage, water, sanitary sewer, parks, etc., and has become intimately familiar with the local area's characteristics

Mr. Gutierrez is a licensed Professional Engineer with over 33 years of experience in management, design, construction and maintenance of drainage, highway, airport, street and utilities projects. The work involved analyzing and developing design alternatives, developing construction plans and bid packages; managing sub-consultant design and surveying contracts; managing construction projects; recommending, approving and processing change orders; assuring compliance with state and federal policies and procedures; monitoring project costs; developing and implementing maintenance action plans; recommending and implementing changes in the operation of our transportation system; providing quality customer service; developing and maintaining good working relationships with local public officials.

Mr. Gutierrez has worked as a Project Engineer and designer multiple street, drainage, roadway and utility improvement projects, some which included flood plain mapping and flood elevation studies in the south Texas and Rio Grande Valley areas. He has analyzed and developed preliminary engineering design alternatives, prepared final design, final construction plans and technical specifications and contract documents for the projects. Managed the construction of projects assuring compliance with the plans and specifications all the way through final inspection, project acceptance and final payment to contractor. Assured that industry standard construction procedures were followed on all projects.

### Education

- Master of Science in Environmental Engineering  
Texas A&M University at Kingsville, Kingsville, Texas  
2011
- Bachelors of Science in Civil Engineering  
Universidad Nueva Esparta,  
Caracas, Venezuela  
1998

### Professional Registration

- Professional Engineer, State of Texas, #108728
- Certified Floodplain Manager, State of Texas Certification #1747-09N
- Certified Stormwater Manager
- Certified Water Quality & Bacteria Monitor
- Professional Engineer, State of Florida, #74961

### Language

- Proficient in English & Spanish

### Affiliations

- American Society of Civil Engineers
- American Water Works Association
- American Public Works Association
- Environmental & Water Resources Institute
- American Planning Association
- Texas Floodplain Association
- International Code Council

### Years with Firm

6 Years



PE<sub>TX</sub>LS

Texas Board of Professional  
Engineers and Land Surveyors

## Hernan A. Lugo, PE, C.F.M.

Senior Project Manager

### BIOGRAPHIC SUMMARY AND EXPERIENCE

Mr. Hernan A. Lugo, PE, CFM grew up in Caracas, Venezuela and worked as a resident engineer for a private firm in Venezuela from 1998 to 2001 where he provided design and project management services for various civil engineering projects. In 2001, Mr. Lugo moved to Miami, Florida where he worked for Voice Stream, Inc. as a technical consultant for the sales force.

Mr. Lugo graduated with a Bachelor of Science degree in Civil Engineering in 1998 and a Master of Science degree in Environmental Engineering in 2011. Mr. Lugo is licensed by Texas Board of Professional Engineers to practice civil and environmental engineering under license #108728 and has more than 13 years of experience in the engineering and construction industry. He is also a Certified Floodplain Manager and a Certified Stormwater Manager.

Mr. Lugo as a former Project Manager for the City of Alton provided technical assistance to Public Works and Planning Department as well as overseeing all land development and capital improvement projects within the city. In that position, he developed and maintained and excellent working relationship with privates and public agencies as well with other engineering firms. He has worked in various capacities in the region and also coordinated his work with various agencies such as the Environmental Protection Agency, Texas Commission on Environmental Quality (formerly TNRCC), Texas Water Development Board, Hidalgo County Drainage District #1, and multiple irrigation districts in Hidalgo County. Mr. Lugo also managed engineering services and operated an independent civil engineering firm in Pharr, Texas.

Mr. Lugo is skilled in civil and environmental design, design of water lines, sanitary sewer systems, and lift stations. He has also worked on water and sanitary sewer treatment plants, land development, planning, floodplain management, stormwater management, project management, permitting, mapping and geographic information systems. He has proven himself through the years while working for public and private entities.

### RECENT PROJECTS

**Navarro Street Improvements – Pharr, Texas.** Worked as Project Manager responsible for the development of plans and specifications for the re-construction of the existing rural roadway, which consists of upgrading the existing rural roadway to an urban roadway with curb and gutter. The project also includes design of storm drainage facilities and outfall improvements. RGEC conducted field surveys to collect information required for design of the project. Close coordination with utility companies is required in order to identify and resolve conflicts with underground utilities. Once the project is ready for construction, bidding documents will be prepared. RGEC will provide construction administration and inspection during the construction phase of the project. As-built documents will be provided at project completion.



### **Education**

- Bachelors of Science in Civil Engineering

Texas A&I University  
Kingsville, Texas, 1982

### **Professional Registration**

- Registered Professional Engineer, Texas, #66278
- Registered Professional Land Surveyor, Texas, #4541

### **Language**

- Speaks proficient English and Spanish.

### **Leadership and Community Involvement**

- City of Pharr City Commissioner (Previous Member)
- Pharr Economic Development Corporation (Previous Member)

### **Years with Firm**

10 Years



**PE**  **LS**

Texas Board of Professional  
Engineers and Land Surveyors

## **Pablo Soto, Jr., PE, RPLS**

Survey Project Manager

### **BIOGRAPHIC SUMMARY AND EXPERIENCE**

Mr. Pablo Soto, Jr., PE, RPLS grew up in San Juan and is a resident of Pharr, Texas. He has had a long working experience as a consultant in civil engineering and surveying. Mr. Soto provides a vast and in depth knowledge of the San Juan area with his background in civil engineering and surveying. Mr. Soto is responsible for the surveying work at various levels of design from topographic surveying to surveying for design and construction staking. He also is responsible for all property boundary surveys for the office. He has developed and maintained an excellent working relationship with various private and public agencies as well as with other engineering and land surveying firms. Mr. Soto brings over 30 years of professional surveying experience to our team. Mr. Soto's experience includes all types of Land Surveying, Parcel Descriptions, Subdivision work and TX-DOT Right of Way Surveying & Parcel Descriptions. Most of his experience has been in the South Texas community.

### **RECENT PROJECTS**

**Navarro Street Improvements – Pharr, Texas.** The firm worked as Project Engineer responsible for the development of plans and specifications for the re-construction of the existing rural roadway, which consisted of upgrading the existing rural roadway to an urban roadway with curb and gutter. The project also included design of storm drainage facilities and outfall improvements. Mr. Soto was responsible for survey work which included identification of existing right-of-way and the preparation of easements. Survey work also included field surveys to collect information required for design of the project. Close coordination with utility companies was required in order to identify and resolve conflicts with underground utilities.

**Hidalgo County RMA Trade Corridor Connector – McAllen, Texas.** RGECE was part of a surveying team hired by the Hidalgo County Regional Mobility Authority (HCRMA) to provide surveying services on 37 acres of total outfall areas for this project. RGECE's responsibility was tying horizontal and vertical positions for the existing drain system and irrigation lines that were within 20' of the proposed right of way. RGECE provided topographic surveying services of the south slope of the existing levee at 300' cross-section intervals for off-site drainage. RGECE also provided survey of outfall areas and profiles of existing drainage facilities with measurements of hydraulic openings under existing bridges. Complete 2D & 3D files including utilities of the outfall identified on the project location map were provided. Finally, RGECE provided boundary surveys of existing properties within the project area and survey services for ROW parcels to be acquired.

**URS Surveys – Rio Grande Valley, Texas.** As part of URS's contract for Management Services for Community Development Block Grant Disaster Recovery Program for Hurricane Dolly with the Lower Rio Grande Valley Development Council, RGECE was hired to provide detailed topographic and boundary surveys for 685 properties within the Rio Grande Valley. Surveys included legal description of properties, utility easements, improvements including but not limited to houses, fences, driveways, trees over 6" in diameter, sidewalks, slabs, utility locations, staking of property corners, building setback lines and plat of property to meet permitting requirements for construction of a single family residential structure. Of the above surveys, 202 properties also required elevation certificates.





#### **AREAS OF EXPERTISE**

Geotechnical Engineering  
Construction Materials Engineering  
Environmental Consulting

#### **YEARS OF EXPERIENCE**

27 years

#### **REGISTRATIONS**

Professional Engineer:

Texas No. 87195

Minnesota No. 25453

Professional Registration, Civil Engineer:

Mexico No. 1928201

Project Management Professional No.

1317404

National Ready Mix Concrete Association,

Inspecting Engineer, No. 822876

#### **EDUCATION**

M.C.E., Civil Engineering

Auburn University, 2006

M.S., International Management

Coursework

University of Saint Thomas, 1998

B.S., Civil Engineering

Instituto Tecnológico y de Estudios

Superiores de Monterrey, 1993

Partial Coursework at the University of

Pittsburgh

## **Isidoro Arjona, PE, PMP, F. ASCE**

### **SENIOR VICE PRESIDENT, RIO GRANDE VALLEY**

Mr. Arjona serves as Senior Vice President for the firm's Rio Grande Valley, Coastal Bend, and Mexico operations. His responsibilities include the planning, coordination, and monitoring of subsurface exploration and geotechnical engineering and testing activities. Mr. Arjona is also responsible for Construction Materials Engineering and Testing projects for the firm throughout South Texas and in México. With more than 25 years of experience, Mr. Arjona's bilingual fluency and proven professional record in the United States, México, and along the Frontera have supported the firm's many successes with international public and private initiatives. His unique understanding of bi-cultural issues and first-hand familiarity with the area's geological terrain have facilitated communication between client and consultant, and expedited execution of project objectives.

Mr. Arjona offers proficiency in construction materials testing and observation for pavement, industrial, office and residential buildings, as well as geotechnical review and evaluation of aggregate sources. Responsible for construction management, Mr. Arjona has supervised field construction and quality control tasks, reviewed work for compliance with project plans and specifications, and prepared shop drawings for approval by design engineers. He has also assisted geotechnical/construction materials projects supporting the Commercial and Maquiladora Industry's foreign investment/participation goals for manufacturing plants, notably: Costco, Lowes, Maytag, Caterpillar, Bridgestone, Cives Steel, BSN Medical, Verde Corporate Property Services, Ridge Property Trust, Eaton, Niagara, Macquarie REIT, Corporate Properties of the Americas and ProLogis.

In conjunction with construction materials testing and observation expertise, Mr. Arjona has been responsible for numerous foundation assignments, including site feasibility and distress studies. He has conducted geotechnical construction quality assurance programs for several significant building projects. In addition, his soil, foundation, and pavement studies have contributed to a variety of residential, commercial, medical, transportation, and industrial projects, in and outside the United States. His geological experience specializes in the alluvial soils of the Rio Grande Valley, and a variety of subsurface conditions throughout México.



## Samuel Blanco, Jr., AICP, PMP

### DIRECTOR, ENVIRONMENTAL PLANNING & PERMITTING

Mr. Blanco's approach to professional environmental consulting stems from his desire to provide clients with environmentally-friendly solutions. As Director of Environmental Planning and Permitting, Mr. Blanco is responsible for managing NEPA and natural resources planning and permitting projects including environmental assessments, categorical exclusions, technical studies (e.g. waters of the U.S. evaluations and associated permitting, biological habitat evaluations, and others) for local, state, and federally-funded actions.

Mr. Blanco has successfully satisfied NEPA requirements for lead agencies including the Texas Water Development Board, U.S. Department of Agriculture, U.S. Department of State, Federal Highway Administration (FHWA), Federal Emergency Management Agency, Department of Homeland Security, Border Environmental Cooperation Commission, and Nuclear Regulatory Commission, to name a few. He has prepared and managed numerous NEPA documents for the Texas Department of Transportation and stays well-informed of this and other agencies' evolving guidance related to varied topics including Community Impacts, Environmental Justice (E.O. 12898), and Indirect and Cumulative Impacts. Provided the diverse geographic extent of the services he has offered, Mr. Blanco is well-versed in working and communicating effectively with agencies such that their region-specific resources and concerns are fully addressed with minimal impact to project budgets and schedules. The value he brings to a project comes, in part, from his experience with diverse groups of stakeholders and past project types, some of which include transportation (road, rail, and pedestrian), law enforcement facilities, municipal infrastructure, midstream oil/gas, and others.

Continuing education within his specialty areas is important to Mr. Blanco. Early in his career, he received formal training in wetlands delineation (Wetlands Training Institute) and Geographic Information Systems (GIS) (Environmental Systems Research Institute [ESRI]). In 2014 he received Advanced Environmental Planning training at the American Planning Association (APA) National Conference, and in 2015 received FHWA training in Planning and Environmental Linkages (PEL). In 2015 he successfully completed training in Local Government Project Procedures (LGPP), which was developed by TxDOT and approved by FHWA. Completion of LGPP training allows Mr. Blanco to serve as a "Qualified Person" on projects managed by local agencies and reimbursed with FHWA or TxDOT funding.

#### AREAS OF EXPERTISE

NEPA Compliance  
Natural Resources Planning  
Biological Resource Evaluations  
Section 404 Permitting

#### YEARS OF EXPERIENCE

17 years

#### TXDOT PRECERTIFICATIONS

- 1.8.1 Public Involvement
- 2.1.1 Traffic Noise Analysis
- 2.3.1 Wetland Delineation
- 2.3.2 Conditional/Functional Assessment
- 2.4.1 Nationwide Permit
- 2.4.2 Clean Water Act Sec. 404 Permits
- 2.6.1 Protected Species Determination (Habitat)
- 2.6.2 Impact Evaluation Assessments
- 2.6.3 Biological Surveys
- 2.6.4 Biological Evaluations/Assessments
- 2.7.1 Sec. 4(F)/6(F) Evaluations
- 2.12.1 Socio-Economic and Environmental Justice Analyses
- 2.13.1 Hazardous Materials Initial Site Assessment
- 2.14.1 Environmental Document Preparation

#### REGISTRATIONS

American Institute Certified Planner (AICP)  
Project Management Professional (PMP)

#### EDUCATION

M.S. Environmental Science  
Texas A&M University-Corpus Christi, 2002

B.S. Biology  
Texas A&M University-Kingsville, 1998

#### PROFESSIONAL MEMBERSHIPS

American Planning Association (APA)  
APA's Transportation Planning Division (TPD)



## **Richard V. Klar, PG**

### **VICE PRESIDENT**

#### **AREAS OF EXPERTISE**

Environmental Geology  
Hydrogeology  
Engineering Geology  
Ground Geophysics

#### **YEARS OF EXPERIENCE**

21 years

#### **REGISTRATIONS**

Professional Geoscientist:  
Texas No. 259  
Nebraska No. G-0125  
LPST Corrective Action Project Manager  
TNRCC No. CAPM01395

#### **EDUCATION**

M.S. Applied Geology (Hydrogeology)  
The University of Texas at San Antonio,  
1996

B.S. Earth Sciences  
St. Mary's University, 1992

Mr. Klar has more than 21 years of diversified experience in geologic and hydrogeologic investigations and serves as the corporate discipline leader for geosciences services. He is responsible for implementing/overseeing site exploration and characterization activities in support of geologic/hydrogeologic investigations, geotechnical engineering, water resources planning, Edwards Aquifer protection, and environmental assessment objectives. Mr. Klar routinely supervises contamination assessment projects at commercial properties, hazardous/industrial waste facilities, petroleum storage tank sites, and municipal solid waste disposal sites in accordance with Federal, State, and local regulations.

Representative project experience includes surface and subsurface sampling of environmental media, landfill-gas and ground-water monitoring/recovery well design and installation, hydrogeologic investigations, earth electrical resistivity/conductivity surveys, investigation-derived wastes profiling and disposal, and associated data reduction/report preparation. Mr. Klar served as project geologist and prepared the Geology Report and Groundwater Characterization Report for the City of Seguin (IESI Stagecoach Road Landfill) permit modification. Additionally, Mr. Klar served as the project geologist for the preparation of closure and waste characterization plans for the Hidalgo County Precinct 4 Landfill. Additional landfill experience includes preparation of ground water monitoring reports and sampling and analyses plans (Cities of Raymondville, Weslaco, Harlingen, Tomball, Seguin, and Hidalgo County), and the performance of earth electrical resistivity surveys to evaluate the potential for leachate migration as part of post-closure care activities (City of Raymondville). Other professional experience includes modeling of ground water flow and contaminant transport; construction of 3-D hydrostratigraphic models; acquisition and analysis of ground magnetic, electromagnetic, and resistivity data; and development of GIS databases in support of site characterization activities for the U.S. DOE licensing of a proposed high level nuclear waste repository at Yucca Mountain, Nevada.

Mr. Klar serves as a member of the South Texas Geological Society, Association of Engineering Geologists, and the National Ground Water Association.





## Brian D. Strye

### ENVIRONMENTAL SCIENTIST

With more than 20 years of experience, Mr. Strye's approach to professional environmental consulting is grounded in his desire to serve as an environmental leader providing clients with ecologically friendly solutions. As Environmental Scientist, Mr. Strye is responsible for Phase I and II Environmental Site Assessments (ESAs), National Environmental Policy Act (NEPA) documentation, Endangered Species and Critical Habitat Assessments, Wetland Determination/Delineation with Mitigation Plans and 404 Permitting, and Industrial Hygiene.

He has performed more than 300 Phase I ESAs and has conducted various transportation, water quality, and community Environmental Assessments, prepared in accordance with NEPA requirements for various Federal and State action agencies. Two such projects lead to the submission and approval for a Presidential Permit. He has worked on various air quality and conformity studies, regulated hazardous materials/substances inspections and reporting issues.

Mr. Strye has extensive experience as a laboratory technician. His expertise includes the analysis of total suspended solids, total dissolved solids and biological oxygen demand. He has field experience in sample collection for analytical and bacterial analysis, metal sampling and field parameters. Additionally, he has experience in the use of various organic chemical syntheses, microbe identification and analysis, biochemical assays, thin layer chromatography, dialysis, Western and Southern blotting, gel electrophoreses and identification of plant and vertebrate species.

Mr. Strye has completed training based in part on the U.S. Army Corp of Engineers Wetland Delineation manual Technical report Y-87-1, as provided for in the training materials developed in conjunction with Section 307 (e) of the Water Resources Development Act of 1990 for the Wet land Delineator certification program. In addition, he served Southwest Research Institute as part of a field research team in a geophysical survey to map geological structure and ground water table elevation along the projected ground water path from Yucca Mountain, Nevada for the Nuclear Regulatory Commission. The survey employed the uses of a time-domain electromagnetic (TEM) surveying technique and a time-domain induced polarization (TDIP) and Schlumberger resistivity sounding technique.

#### AREAS OF EXPERTISE

NEPA Documentation  
Phase I & II ESAs  
Wetland Delineation  
Industrial Hygiene

#### YEARS OF EXPERIENCE

20 years

#### REGISTRATIONS

WTI-Certified Wetland Delineator

#### REGISTRATIONS

2.3.1 Wetland Delineation  
2.4.1 Nationwide Permit  
2.4.2 Individual Permits  
2.6.1 Protected Species Determination  
(Habitat)  
2.14.1 Environmental Document Preparation

#### EDUCATION

M.S. Environmental Sciences  
The University of Texas at San Antonio,  
2001

B.S. Biology  
The University of Texas at San Antonio,  
1996





## Steven A. Tomka, Ph.D., RPA

### CULTURAL RESOURCES PROGRAM DIRECTOR/SENIOR ARCHAEOLOGIST

#### AREAS OF EXPERTISE

Archival Research  
Pedestrian Surveys  
NRHP Eligibility Testing  
Data Recovery Excavations  
Prehistoric Archaeology  
Historic Archaeology

#### YEARS OF EXPERIENCE

35 years

#### TXDOT PRECERTIFICATIONS

2.10.1 Archeological Survey

#### REGISTRATIONS

Register of Professional Archaeologists  
(RPA)

#### EDUCATION

Ph.D. Anthropology  
University of Texas at Austin, 1994

M.A. Anthropology  
University of Texas at Austin, 1985

B.A. with Honors, Anthropology  
University of Missouri, Columbia, 1980

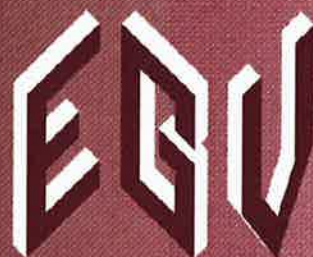
#### PROFESSIONAL MEMBERSHIPS

Alamo Plaza Advisory Committee  
Society for American Archaeology  
Society of Historical Archaeology  
Council of Texas Archeologists  
Texas Archaeological Society  
Southern Texas Archeological Association

As the Cultural Resources Program Director, Dr. Tomka is responsible for all Cultural Resources activities of the firm. Dr. Tomka works closely with Prehistoric and Historic Project Archaeologists and Field and Laboratory Technicians to complete archaeological projects. The team of archaeologists is closely integrated with other members of Raba Kistner including the Geographic Information System (GIS) staff, draftsmen, and environmental and geotechnical specialists to bring all relevant technical expertise and creative perspective to facilitate the clearance of projects to the client's benefit.

He has more than 35 years of experience in archaeology. Dr. Tomka has authored 60 cultural resource management reports, peer-reviewed 23 journal articles, and delivered 27 papers at national and international meetings in his areas of expertise. In addition, his desire to best serve his clients has often times resulted in "outside-the-box" thinking for projects in sensitive areas, with challenging stakeholders, or requiring innovative solutions to complex situations. He has worked on prehistoric archaeological sites dating to 10,800 years before the present (BP), as well as 18th and 19th century Spanish Colonial missions and 20th century residential complexes in downtown San Antonio.

He maintains a strong working relationship with all clients including architectural and engineering firms, City, County, and State agencies. He has served on the State Board of Review for National Register of Historic Places nominations, and was the Chair of the Antiquities Committee of the Texas Historical Commission, where he served as Commissioner. In these capacities, he acquired in-depth knowledge of the Antiquities Code of Texas as well as the processes and procedures associated with Section 106 compliance of the National Historic Preservation Act.



**ARCHITECTS, INC.**

**P.O. Box 8627  
220 S. Bridge St.  
Hidalgo, TX 78557  
Tel: (956) 843-2987  
Fax: (956) 843-9726**



## **EDUARDO G. VELA, AIA**

PRINCIPAL / REGISTERED  
ARCHITECT

220 S. Bridge  
Hidalgo, TX 78557  
(956) 843-2987

## **EDUCATION**

TEXAS A&M UNIVERSITY, 1985  
Bachelor of Environmental  
Design

## **REGISTRATION**

REGISTERED ARCHITECT,  
1993  
Texas #14407

REGISTERED INTERIOR  
DESIGNER, 1994  
Texas #7739

## **SELECT HONORS & AWARDS**

Architectural firm of the year  
2014 by AGC

Mr. Vela has extensive experience in the design and management of educational and public facilities ranging from renovation to new construction. He has been primarily concerned with providing practical solutions that meet clients' needs and budget. He has controlled the schedule, cost and design, directly leading the project team to projects completed on-time and within the project's budget.

## **CIVIC & PROFESSIONAL AFFILIATIONS**

- Self-employed, 1994-present
- Design Group International Architects, 1985-1992
- LRGV/American Institute of Architects-Chapter President, 1998
- LRGV/AIA-Chapter Vice-President, 1997 & 2020
- Texas Society of Architects-Member
- Hidalgo Chamber of Commerce-President, 1998-2015
- Hidalgo Chamber of Commerce-Director, 1992-1998
- Hidalgo District Advisory Committee-Member, 1997-2012
- Lions Club Member
- Real Estate Advisory Committee, Diocese of Brownsville

## **PROJECT EXPERIENCE**

- PSJA I.S.D. Carnahan, Franklin & Buell HVAC Additions to Gyms
- PSJA I.S.D. Carman and Santos Livas Playground Improvements
- PSJA I.S.D. Reed and Mock Elementary School Re-Roofing
- Mission C.I.S.D. Castro and Pearson Elementary Schools Re-Roofing Project
- South Texas College Pecan Campus Bldg. D Office Renovations
- PSJA I.S.D. Administration Building and LBJ Cafeteria Re-Roofing
- PSJA I.S.D. Elementary Schools Re-Roofing Projects-2018
- PSJA I.S.D. HVAC Upgrades to 18 Elementary School Gyms
- Roma I.S.D. New Elementary School #7
- P S J A Liberty Middle School Athletic Additions
- South Texas College Technology Campus Expansion
- P S J A Baldemar Cano Child Nutrition Center Addition
- Mission CISD Mission Collegiate High School
- P S J A I. S. D. New Garza Peña Elementary School
- Roma I. S. D. Anna S. Canavan Elementary School
- Mission C.I.S.D. High School Field House
- Mission C.I.S.D. Waitz Elementary New Cafeteria and Kitchen
- RGV Border Security and Technology Training Center
- P S J A I. S. D. LBJ Middle School Improvements
- Mission C.I.S.D. K. White Jr. High Kitchen Expansion & Renovations
- P S J A I. S. D. New Whitney Elementary School
- Mission C.I.S.D. Mims and O'Grady Kitchen Renovations
- Hidalgo I.S.D. Jr. High & High School Learning Resource Centers
- PSJA I.S.D. Various Re-Roofing Projects (3 schools)





## ALEJANDRA MINA

SENIOR PROJECT MANAGER  
220 S. Bridge  
Hidalgo, TX 78557  
(956) 843-2987

## EDUCATION

UNIVERSITY OF NOTRE  
DAME, 1998  
Bachelor of Architecture

**EXPERIENCE – 21 years w/**  
**EGV ARCHITECTS, INC.**  
05/1998 - Present  
Senior Project Manager

SOUTH TEXAS COLLEGE  
Fall 2001 - Spring 2002  
CADD Adjunct Instructor

## SKILLS

AutoCAD Architecture  
Photoshop  
Acrobat  
Word  
PowerPoint  
Publisher  
Excel

Mrs. Mina has been intensively involved in all phases of design and management of each educational and public facilities since she joined our team as lead designer in 1998. She has extensive experience with a wide variety of historic materials and constructions methods, and she has a talent for sensitive design solutions within a historic context. Her latest project is the restoration the Old Hidalgo Court House in Hidalgo Texas. Her work includes all types of projects, from educational buildings to smaller ADA upgrades and life safety enhancements.

## PROJECT EXPERIENCE

- PSJA I.S.D. Carnahan, Franklin & Buell HVAC Additions to Gyms
- PSJA I.S.D. Carman and Santos Livas Playground Improvements
- PSJA I.S.D. Reed and Mock Elementary School Re-Roofing
- Mission C.I.S.D. Castro and Pearson Elementary Schools Re-Roofing Project
- South Texas College Pecan Campus Bldg. D Office Renovations
- PSJA I.S.D. Administration Building and LBJ Cafeteria Re-Roofing
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- South Texas College Technology Campus Expansion
- PSJA I.S.D. Baldemar Cano Nutrition Center Addition
- Mission CISD Mission Collegiate High School
- PSJA I.S.D. New Garza Peña Elementary School
- Roma I. S. D. Anna S. Canavan Elementary School
- Mission C.I.S.D. High School Field House
- Mission C.I.S.D. Waitz Elementary New Cafeteria and Kitchen
- RGV Border Security and Technology Training Center
- PSJA I.S.D. LBJ Middle School Improvements
- Mission C.I.S.D. K. White Jr. High Kitchen Expansion & Renovations
- PSJA I.S.D. New Whitney Elementary School
- Mission C.I.S.D. Mims and O'Grady Kitchen Renovations
- Hidalgo I.S.D. Jr. High & High School Learning Resource Centers
- PSJA I.S.D. Various Re-Roofing Projects (3 schools)
- Mission C.I.S.D. Mims and O'Grady HVAC Upgrades and Re-Roofing
- Mission C.I.S.D. Cantu & Leal Elem. Additions & Renovations
- Hidalgo I.S.D. High School Classroom & ROTC Wing
- Hidalgo I.S.D. Hidalgo Elem. New Gym & Existing Remodeling
- New Hidalgo Elementary School





## REBECCA ACUÑA

PROJECT MANAGER /  
ADMINISTRATIVE ASST.  
220 S. Bridge  
Hidalgo, TX 78557  
(956) 843-2987

## EDUCATION

SOUTH TEXAS COLLEGE  
Computer Aided Drafting and  
Design – Certificate, 2000

## AWARDS

Dean's List and Vice-President  
Honors List (1997-1999)

## EXPERIENCE

EGV ARCHITECTS, INC.  
(Hidalgo, TX)  
12/1997 - 11/2005 | 06/2007 –  
Present

RAWLEY MCCOY &  
ASSOCIATES (Victoria, TX)  
09 / 2006 – 04 / 2007

GONZALEZ ARCHITECTS  
(Key West, FL)  
01 / 2006 – 06 / 2006

## SKILLS

AutoCAD Architecture  
AIA Contract Documents  
QuickBooks  
Photoshop  
Acrobat  
Word  
PowerPoint  
Publisher  
Excel

Mrs. Acuna has an extensive experience preparing detail level technical and functional specifications for educational, commercial and public buildings. She also maintains the firm's services by organizing office operations and procedures and is responsible for setting up all standard legal forms and agreements pertaining to design and construction projects. Mrs. Acuna also leads the design team's space planning while being in charge of selecting material finishes, architectural elements and interior accessories.

## PROJECT EXPERIENCE

- PSJA I.S.D. Carnahan, Franklin & Buell HVAC Additions to Gyms
- PSJA I.S.D. Carman and Santos Livas Playground Improvements
- PSJA I.S.D. Reed and Mock Elementary School Re-Roofing
- Mission C.I.S.D. Castro and Pearson Elementary Schools Re-Roofing Project
- South Texas College Pecan Campus Bldg. D Office Renovations
- PSJA I.S.D. Administration Building and LBJ Cafeteria Re-Roofing
- PSJA I.S.D. Elementary Schools Re-Roofing Projects-2018
- PSJA I.S.D. HVAC Upgrades to 18 Elementary School Gyms
- Roma I.S.D. New Elementary School #7
- PSJA I.S.D. Liberty Middle School Athletic Additions
- South Texas College Technology Campus Expansion
- PSJA I.S.D. Baldemar Cano Nutrition Center Addition
- Mission CISD Mission Collegiate High School
- PSJA I.S.D. New Garza Peña Elementary School
- Roma I. S. D. Anna S. Canavan Elementary School
- Mission C.I.S.D. High School Field House
- Mission C.I.S.D. Waitz Elementary New Cafeteria and Kitchen
- RGV Border Security and Technology Training Center
- PSJA I.S.D. LBJ Middle School Improvements
- Mission C.I.S.D. K. White Jr. High Kitchen Expansion & Renovations
- PSJA I.S.D. New Whitney Elementary School
- Mission C.I.S.D. Mims and O'Grady Kitchen Renovations
- Hidalgo I.S.D. Jr. High & High School Learning Resource Centers
- PSJA I.S.D. Various Re-Roofing Projects (3 schools)
- Mission C.I.S.D. Mims and O'Grady HVAC Upgrades and Re-Roofing
- Mission C.I.S.D. Cantu & Leal Elem. Additions & Renovations
- Hidalgo I.S.D. High School Classroom & ROTC Wing
- Hidalgo I.S.D. Hidalgo Elem. New Gym & Existing Remodeling
- New Hidalgo Elementary School

## KEY PERSONNEL

### ARCHITECT

Eduardo G. Vela, AIA

### PROJECT MANAGERS

Alejandra Mina

Rebecca Acuña

Ramiro E. Ramos

Yahaira Davila

(See attached resumes)



ROMA ISD VETERANS MEMORIAL ELEMENTARY SCHOOL



SOUTH TEXAS COLLEGE TECHNOLOGY CAMPUS



ROMA ISD DELIA GONZALEZ GARCIA ELEMENTARY SCHOOL



PSJA ISD GARZA PEÑA ELEMENTARY SCHOOL

Each professional team members mentioned above are qualified to work in every phase of a project design. We do, however, carefully adjust and assign our professionals to different lines of duty depending on each specific project needs. Four (4) of the five (5) team members have more than 10 years experience in the design and construction fields. One (1) of the five (5) team members has more than 5 years experience in the design and construction fields. Refer to attached resumes for Eduardo G. Vela, AIA and other team members for qualifications. Mr. Eduardo Vela, AIA has been practicing Architecture and has overseen all of the projects since 1994 and is familiar with the area, code requirements and phases of design/construction.

Our company values collaboration between all members of our design professional to achieve design excellence. Every individual in our firm becomes familiar with each project from the programming to construction phase.

We have reviewed the anticipated projects scope and schedule and are determined to commit our staff, in the roles indicated, to provide as much time and expertise as necessary to achieve those goals.

Every team member in our firm is readily available for meetings or site visits as needed. We can also communicate via phone and email at any time.



## REPRESENTATIVE PROJECT



### Project Description:

The 1886 Hidalgo County Courthouse was a two story building, made of local brick, with outside dimensions of 50 X 40 feet, designed and built by S. W Brooks. The Building was abandoned after voters approved moving the county seat to Chapin, later known as Edinburg. In January 18, 1920, structural damage caused by a fire resulted in the destruction of the second floor, roof tower, cupola and woodwork. The remaining first floor was roofed with a pitched roof before becoming a residence. Shortly after 1981 restoration plans were launched to preserve the remaining first floor building, which became administration offices to a local bank before being abandoned again.

EGV Architects assisted the City of Hidalgo through the grant application process and were later commissioned to begin master planning the restoration of the building. January 2016 marked the beginning of the year-long restoration of the second floor, cupola, missing fabric and character-defining features of the building lost during the fire of 1920.

The restoration involved the removal of the deteriorated roof at the former first floor. Exterior work included restoration of existing wood windows and doors. Masonry restoration consisted of extensive cleaning of the brick with multiple areas of brick repointed.

Painting included new paint finishes throughout, as well as refinishing existing interior brick veneer with a white wash. The project included detailed architectural carpentry for wood doors, wood floors, base, and the fabrication and installation of the grand stairway railing. HVAC upgrades included new air-handling units and the addition of a fire suppression system. Electrical upgrades to the building include new switchgear and lighting installation.

## Restoration of 1886 Hidalgo County Courthouse

Location:  
Hidalgo, Texas

Project Owner:  
City of Hidalgo

Contact Person:  
Mr. Virgil Gonzalez -(956) 843-2286

Contract Delivery Method:  
Competitive Sealed Proposals

Construction Cost:  
\$1,895,044

Square Feet:  
4,900 sq. ft.

Project Start Date:  
January 18, 2016

Substantial Completion Date:  
December 11, 2017

Services Rendered:  
Master Planning  
Programming  
Schematics  
Design Development  
Construction Documents  
Bidding  
Construction Administration

Project Manager:  
Alejandra Mina

Project Architect:  
Eduardo G. Vela, AIA

Consultants:  
Civil Engineer  
Javier Hinojosa Engineering  
Javier Hinojosa, P.E.

Structural Engineer:  
Chanin Engineering  
Miguel Chanin, P.E.

Electrical Engineer:  
Trinity MEP Engineering  
Leo Muñoz, P.E.

Contractor:  
ECON Group – Enriquez Construction



## REPRESENTATIVE PROJECT



### Project Description:

South Texas College purchased an abandoned manufacturing plant that is located adjacent to the Technology Campus. The existing building is approximately 74,405 square feet, of which 3,894 of the existing square footage was demolished. This project is part of a **district-wide campus expansion master plan**. The design's goal focused on repurposing the existing building with to house a state of the art technology and workforce training facilities

This facility incorporates the program that was provided by South Texas College. Non-conditioned lab spaces were added to the northeast corner of the existing building. A tilt-up concrete panel was demolish on the east side of the existing building to allow for a new grand entrance, an inviting lobby and collaboration spaces for student needs. The remodeled areas unites and expands several industrial programs including Automotive technology , Welding, Construction technologies, administration offices, conference rooms, classrooms, labs, shipping/receiving and information technology. The facade of the building was dramatically transformed from a warehouse to a modern collegiate building. The main entrance to the facility is defined by a large inviting curtain wall that allows for natural light to enter the student collaboration space with visibility to the outside.



## Technology Campus Expansion

Location:

McAllen, Texas

Project Owner:

South Texas College

Contact Person:

Mr. Roberto Cuellar– (956) 872-3737

Contract Delivery Method:

Construction Manager at Risk

Budget:

\$12,000,000.00

Guaranteed Maximum Price:

\$ 10,175,481.00

Square Feet:

74,405 sq. ft.

Project Start Date:

September 22, 2016

Substantial Completion Date:

August 4, 2017

Contractor:

E-Con Group, LLC

Services Rendered:

Master Planning  
Programming  
Schematics  
Design Development  
Construction Documents  
Bidding  
Construction Administration

Project Manager:

Gilbert Zuniga

Project Architect:

Eduardo G. Vela, AIA

Project Designers:

EGV key personnel

Consultants:

Civil Engineer  
Javier Hinojosa Engineering  
Javier Hinojosa, P.E.

Structural Engineer:  
Chanin Engineering  
Miguel Chanin, P.E.

MEP Engineer:  
Halff Associates  
Tom Dearmin, P.E.  
Trey Murray, P.E.  
Hugo Avila, P.E.



## REPRESENTATIVE PROJECT



### Project Description

Mission Collegiate High School was designed to meet today's standards in early college readiness. Along with the design team, school administrators and staff were constantly involved from the early stages of programming and planning. The high school, which is schedule to house 500 students, has multiple classrooms, science labs, cafetorium, dressing rooms, and a library that meets exemplary level. The library is designed to allow students to enter the library after hours without accessing the entire campus. This project was designed using Revit Architecture to model the building and generate a rendering that was finished in 3DS Max. This project required a lot of coordination with the city of Alton as well. The campus is located between two other schools where the majority of coordination took place. The Mission Collegiate High School is one of a kind campus for the Mission Consolidated School District.



## Mission Collegiate High School

Location:  
Alton, Texas

Project Owner:  
Mission C.I.S.D.

Contact Person:  
Mr. Ricardo Rivera – 956-323-8960

Construction Cost:  
\$13,626,000

Square Feet:  
83,160 sq. ft.

Project Start Date:  
July 1, 2014

Completion Date:  
July 18, 2015

Services Rendered:  
Master Planning  
Programming  
Schematics  
Design Development  
Construction Documents  
Bidding  
Construction Administration

Project Architect:  
Eduardo G. Vela, AIA

Project Manager:  
Alejandra Mina

Project Designers:  
EGV key personnel

Consultants:  
Civil Engineer  
Javier Hinojosa Engineering  
Javier Hinojosa, P.E.

Structural Engineer:  
Chanin Engineering  
Miguel Chanin, P.E.

MEP Engineer:  
Trinity MEP Engineering  
Leo Muñoz, P.E.

Contract Delivery Method:  
Competitive Sealed Proposals

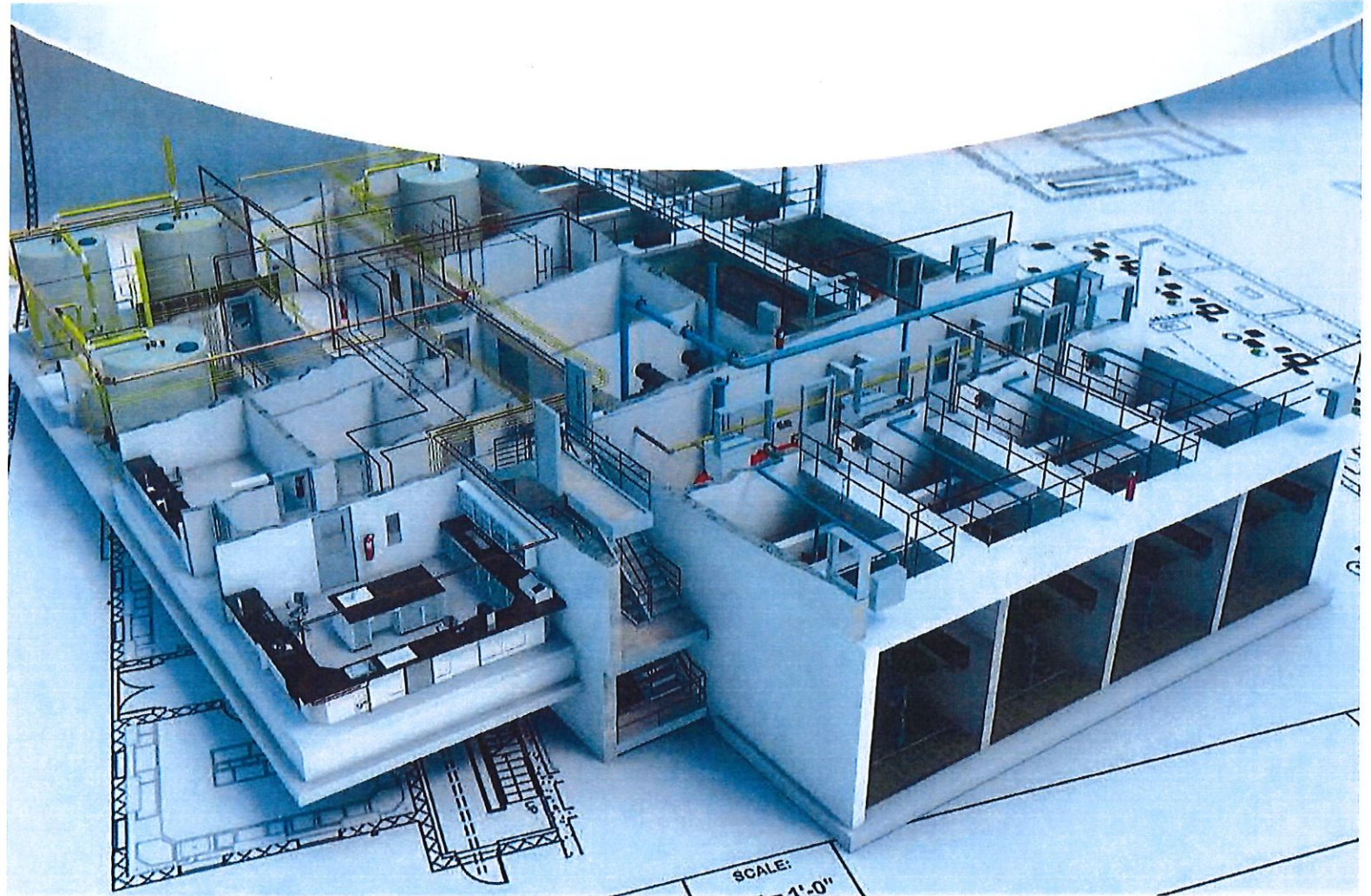
Contractor:  
E-Con Group LLC

Monetary Change Orders:  
1 C.O. for credit on unused  
allowances. Final cost: \$12,647,855.50



# FULCRUM CONSULTING SERVICES

*Excellence Delivered **As Promised***



Planners/Engineers/Architects







**FULCRUM**  
CONSULTING SERVICES

## **STATEMENT OF QUALIFICATIONS**

### **CITY OF WESLACO**

**ENGINEERING/ARCHITECTURAL/SURVEYING SERVICES FOR  
COMMUNITY DEVELOPMENT BLOCK GRANT MITIGATION (CDBG-MIT)**

**RESPECTFULLY SUBMITTED BY:**

**FULCRUM CONSULTING SERVICES**

**FIRM NO. F12369**

**P.O. BOX 530540**

**HARLINGEN, TEXAS 78553**

**956-797-3411 PH.**

**956-797-3400 F**

**TRANSMITTAL LETTER**

September 10, 2020

ATTN: Mr. HOMER RHODES, PURCHASING MANAGER  
City of Weslaco  
255 S. Kansas Ave.  
Weslaco, Texas 78596

RE: Request for Qualifications for Engineering/Architectural/Surveying Services

Dear Mr. Rhodes,

Fulcrum Consulting Service (FCS) is pleased to submit our Statement of Qualifications for providing multidisciplinary professional services to the City. Our partnership will offer a solid team of professionals with accredited technical and management expertise to successfully respond to the City's engineering, architectural, surveying and planning needs.

The proposal highlights the qualifications of our team and key personnel, as well as our approach of delivering high quality and cost effective professional services to the City. The FCS team fully understands the unique challenges for projects of this magnitude. As such, the FCS team will be committed to responding promptly, meeting tight deadlines, and paying special consideration to execution and deliverables for each project within a quality assurance and cost effective approach.

The combined human and technical resources of the FCS team is unmatched by standard and experience and will offer the City growth and vision. The FCS team will strive to be partners in the City's success through strategic planning and cost effective solutions to the City's development goals. FCS understands the scope of work to be completed. FCS confirms that the firm meets the appropriate state licensing requirements to practice as an Architect/Engineer in Texas, has not had a record of substandard work within the last five years and has not engaged in any unethical practices within the last five years.

Through the submission of the proposal, the FCS team is confident that we have demonstrated our capabilities, experience and innovation in providing the City's with the most qualified and dedicated team for the job. The proposal is set forth in it remains



effective for a period of 60 calendar days. Thank you for the opportunity to offer our professional capabilities for your valuable projects.

Sincerely,

A handwritten signature in green ink, appearing to read "G. Lazaro, P.E.", with a horizontal line drawn through the middle of the signature.

Mr. George E. Lazaro, P.E.  
General Manager

## COMPANY PROFILE

Fulcrum Consulting Services was founded in 2010 as a civil engineering consulting firm specializing in water and sewer projects. The firm presently has one (1) office located in La Feria, Texas.

Fulcrum Consulting Services is experienced, equipped and prepared to assist Clients in both the public and private sectors at any level required, and can provide services from preliminary studies through construction management.

### **Services We Provide:**

#### **Funding Acquisition Services**

- USDA Rural Development
- Texas Water Development Board
- Economic Development Administration
- Department of Housing and Urban Development
- BEEC

#### **Feasibility and Economic Studies**

- Financial Studies
- Capital and Operating Cost Estimates
- Tariff and Cost of service analysis

#### **Project Management**

- Budget Development and Cost Control
- Planning and Scheduling
- Contract Administration and Change Control
- Quality Assurance
- Project Execution
- Construction Planning and Scheduling

#### **Engineering**

- Conceptual Design
- Preliminary Engineering
- Detailed Engineering
- Water Engineering – Conventional and Membrane Treatment

- Wastewater Engineering
- PS&E Roadway Design and Schematic Development
- Utility Engineering
- Mechanical, Electrical and Plumbing (MEP) Engineering
- Street and Drainage Design
- Storm water Management

#### Procurement

- Bid Solicitation, Evaluation and Award Negotiation
- Technical Specifications
- Contract Development
- Contractor Prequalification

#### Regulatory Compliance

- EPA and TCEQ Water and Wastewater Compliance
- NPDES Permitting

#### Environmental Studies and Assessments

- Threatened and Endangered Species Evaluations
- Environmental Impact Statement

### RESOURCE UTILIZATION PLAN

Fulcrum Consulting Services strongest asset is our staff. With the help of computer technology and by utilizing the most up-to-date information, equipment, engineering software applications and years of experience, Fulcrum Consulting Services is able to provide it's clients engineering services which result in the most value for their financial commitment. Our group of dedicated professionals has been able to attract and retain educated and experienced personnel that allow our firm to compete in the most challenging engineering assignments. In order to make full benefit of the new and powerful tools available in our field, provides its staff with training allowing them to remain up-to-date with all the emerging technologies and paying particular attention to emerging state and federal regulations affecting the rural water and wastewater industry.



## **CAPACITY TO PERFORM**

**Fulcrum Consulting Services is presently operating at 70% capacity.**

**It is the policy Fulcrum Consulting Services to operate at or near the 70% capacity. This policy allows our engineering firm to meet of our engineering assignments/commitments in a timely matter while adhering to specific project timelines. Our engineering firm is operating at 70% capacity at the time of submitting this Statement of Qualifications.**

## **FIRM IDENTIFICATION**

**1. Firm (or Joint Venture) Name:**

**Lazcamrea, LLC doing business as Fulcrum Consulting Services**

**2. Address & Phone Number:**

**Main Office:**

**207 E. Magnolia Ave  
La Feria, Texas 78559  
Ph. 956.797.3411  
Fax. 903.797.3400**

**Mailing:**

**P.O. Box 530540  
Harlingen, Texas 78553**

**3. Year Present Firm Established: 2010**

**4. Type of Ownership: Limited Liability Corporation**

**5. Names of Principals and Titles:**

**Principles**

**George E. Lazaro, P.E.**

6. Present Offices, number of personnel in each office and types of discipline:

Fulcrum Consulting Services, presently has one (1) office in La Feria, Texas.

| Office   | Personnel | Discipline                                  |
|----------|-----------|---------------------------------------------|
| La Feria | 11        | (1) Professional Engineer – General Manager |
|          |           | (2) Graduate Engineer – Project Engineer.   |
|          |           | (1) Architect                               |
|          |           | (1) Engineering Technician                  |
|          |           | (1) Executive Secretary                     |
|          |           | (1) Administrative Assistant                |
|          |           | (1) Construction Inspector                  |
|          |           | (3) Draftsmen 1/Surveyor                    |

KEY PERSONNEL / PROJECT TEAM:

A brief profile of key personnel that will be assigned to projects are the following.

Project Team Members:

George E. Lazaro, P.E. (No. 93696) – Registered Engineer

Sergio Ramon Lainez (No. 23931) – Registered Architect

Jose Isais – Graduate Engineer

Armando Prado – Graduate Engineer

Note: All licensed team members are in excellent professional standing with the Texas Board of Professional Engineers.

Resumes for each of the project team members providing a brief profile for each member and related information including Areas of Expertise, Years of Experience in that Area, Experience with Government Agencies, Professional License or Registration Number are provided in the next eleven pages of this statement of qualifications.

## **EXPERIENCE AND QUALIFICATIONS**

**George E. Lazaro, P.E.**  
**Project Manager**

### **EDUCATION**

Bachelor of Science in Mechanical Engineering - 1992  
Texas A & I University

### **CONTINUING EDUCATION**

Texas Rural Water Association - USDA Rural Development  
Engineering Seminar - (1995 - 2006)  
Texas Water Development Board  
Financial Assistance Seminar - Fall 2005

### **REGISTRATION**

Civil Professional Engineer: Texas No. 93696 - 2004

### **PROFESSIONAL EMPLOYMENT**

Fulcrum Consulting Services – Weslaco, Texas  
2012 – Present, General Manager/Licensed Professional Engineer

**J. F. Fontaine & Associates, Inc.** - Harlingen, Texas  
1995 - 2012, General Manager/Licensed Professional Engineer

**Military Highway Water Supply Corporation** - Mercedes, Texas  
1992-1995, Resident Project Engineer

### **PROFESSIONAL EXPERIENCE**

**Mr. Lazaro** presently serves as the General Manager for Fulcrum Consulting Services. He is currently supervising the completion of preliminary engineering and environmental planning for thirteen (13) USDA Rural Development funded water and wastewater projects in the South Texas Region. Total design and construction for these water and wastewater projects represent approximately \$60 million in improvements to under-served recognized Colonia areas. Mr. Lazaro has extensive experience dealing with government funding agencies including USDA Rural Development, Texas Water Development Board, Texas Department of Community Affairs, ORCA and as well as private funding sources.

**Mr. Lazaro's** consulting engineering experience ranges from the initial planning, development, preparation and submission of federal funding project applications, to the preparation of preliminary and environmental reports, completion of first-time water/wastewater economic surveys and studies, preparation of domestic/industrial wastewater projects, completion of plans and specifications of water and wastewater projects and management of construction.

The following projects are representative of **Mr. Lazaro's** professional experience:

- **City of Edcouch**  
**Sanitary Sewer Rehabilitation Project**  
*Rehabilitation Project*  
***Funded by Texas Water Development Board***
- **Military Highway Water Supply Corporation**  
**Progreso 1.0 MGD Reverse Osmosis Treatment Plant**  
Plant and Collection System  
***Funded by USDA Rural Development***
- **City of San Perlita**  
**Infrastructure Recovery Project**  
2016 Street Improvements Project  
***Funded by Texas Department of Rural Affairs***
- **Donna Apartments**  
*New Construction Apartments*  
***Funded by South Texas Economic Development Corporation***
- **Hidalgo County Housing Authority**  
**Memorial Apartments**  
New Construction Apartments
- **City of La Grulla**  
**Water Facilities Project**  
*Water Improvements Project*  
***Funded by Texas Department of Rural Affairs***



- **City of La Grulla**  
**Street/Drainage Improvement Project 2013**  
Drainage Improvements Project  
*Funded by Texas Department of Rural Affairs*

**Sergio Ramon Lainez**  
**Registered Architect**

#### **EDUCATION**

Master of Architecture – Texas Tech University 2008  
Master of Business Administration – 2008  
Bachelor of Science of Architecture - 2005

#### **PROFESSIONAL EMPLOYMENT**

**Fulcrum Consulting Services** – La Feria, Texas  
2015 – Present, Registered Architect  
2009 – 2014 IDEA Group LLC. – Registered Architect

#### **PROFESSIONAL EXPERIENCE**

**Mr. Lainez** is a licensed architect providing building design and construction documentation for public works projects including Santa Maria New High School/Junior High School Project currently in design with **Fulcrum Consulting Services**. Areas of expertise include building codes, technical documentation and construction administration. **Mr. Lainez** is in charge of building design, space planning, and coordination of the design team to deliver fully integrated construction documents.

**Mr. Lainez** is experienced in reviewing submittals, conducting site observations, reviewing contractor payment requests, and completion of punch lists.

The following projects are representative of **Mr. Lainez's** professional experience:

- **Edcouch Elsa Independent School District**  
**Career and Technology Education & Maintenance Facilities Project**  
Architectural, Structural, MEP, & Civil Design, Construction Management  
*Funded by USDA Rural Development*
- **Santa Maria Independent School District**  
**New High School/Junior High School Project**  
Architectural, Structural, MEP, & Civil Design, Construction Management  
*Funded by USDA Rural Development*

- **City of Edcouch**  
**2015 Park Recreational Facility Improvement Project**  
Architectural, Structural, MEP, & Civil Design, Construction Management  
*Funded by Urban County Project*
- **Progreso Independent School District**  
**Progreso Technology Building**  
Architectural, Structural, MEP, & Civil Design, Construction Management
- **Donna Apartments**  
New Construction Apartments  
*Funded by South Texas Economic Development Corporation*

**Jose Isais**

**GRADUATE ENGINEER**

**EDUCATION**

Bachelor of Science in Mechanical Engineering – 2016  
University of Texas Rio Grande Valley – Edinburg, Texas

**PROFESSIONAL ORGANIZATIONS**

American Society of Mechanical Engineers

**PROFESSIONAL EMPLOYMENT**

**Fulcrum Consulting Services** – La Feria, Texas  
2019 – Present – Graduate Engineer

**Cardone Industries** – Brownsville, Texas  
2017-2017 – Product Research

**Isais Tile Services** – Orange Grove, Texas  
2011-2016 – Production Project Manager

**Mr. Isais** is a Graduate Project Engineer for **Fulcrum Consulting Services**. He provides design administration under the direction of professional engineers for public facility projects including educational facilities, public service facilities, and private development. Areas of expertise and responsibilities include the review of design plans, review of contract documents, conduct pre-construction conferences, review and recommend approval of monthly partial payment estimates submitted by the contractor, review of contract change order proposals, preparation of contract change orders, coordination, review and recommend approval of project shop drawings, conduct monthly project inspections of on-going construction projects and verify accuracy of project as-builts.

**Mr. Isais** is also responsible for construction contract documentation including reviewing and recommending monthly partial payment estimates, reviewing extra work proposals submitted by Contractors, preparing and submitting contract change orders, and preparing as-builts.



The following projects are representative of **Mr. Isais's** professional experience:

- **City of Edcouch**  
**Sanitary Sewer Rehabilitation Project**  
*Rehabilitation Project*  
***Funded by Texas Water Development Board***
- **Military Highway Water Supply Corporation**  
**Progreso 1.0 MGD Reverse Osmosis Treatment Plant**  
Plant and Collection System  
***Funded by USDA Rural Development***
- **City of San Perlita**  
**Infrastructure Recovery Project**  
2016 Street Improvements Project  
***Funded by Texas Department of Rural Affairs***
- **Donna Apartments**  
*New Construction Apartments*  
***Funded by South Texas Economic Development Corporation***
- **Hidalgo County Housing Authority**  
**Memorial Apartments**  
New Construction Apartments
- **City of La Grulla**  
**Water Facilities Project**  
*Water Improvements Project*  
***Funded by Texas Department of Rural Affairs***
- **City of La Grulla**  
**Street/Drainage Improvement Project 2013**  
Drainage Improvements Project  
***Funded by Texas Department of Rural Affairs***

**Armando Prado**  
**Graduate Engineer**

#### **EDUCATION**

Bachelor of Science in Civil Engineering - 2019  
University of Texas Rio Grande Valley – Edinburg, Texas

#### **PROFESSIONAL ORGANIZATIONS**

American Society of Civil Engineers

#### **PROFESSIONAL EMPLOYMENT**

**Fulcrum Consulting Services** – La Feria, Texas  
2012 - Present, Graduate Engineer

**Mr. Prado** is a graduate engineer for **Fulcrum Consulting Services**. He provides construction administration for public works projects including potable water treatment and wastewater treatment plants, wastewater collection systems and lift stations, elevated and ground water storage potable water facilities, water well improvements, water distribution systems, geotechnical sampling and testing, and construction inspections. Areas of expertise and responsibilities include the review of design plans for prior to bid and construction, active role in the advertising and bidding of projects, review of contract documents, conduct pre-construction conferences, review of contract change order proposals, preparation of contract change orders, coordination, review and recommend approval of project shop drawings, conduct monthly project inspections of on-going construction projects and verify accuracy of project as-builts.

**Mr. Prado** is also responsible for designing civil plans under the direction and supervision of a licensed professional engineer.

**Mr. Prado** has personally administered over \$20 million of construction projects. Additionally, he has the necessary expertise, education and training to review, analyze and recommend necessary field changes during the construction of the project to the Project Engineer and Project Manager.

Relevant project experience includes the following:

- **City of Edcouch**  
**Sanitary Sewer Rehabilitation Project**  
*Rehabilitation Project*  
***Funded by Texas Water Development Board***
- **Military Highway Water Supply Corporation**  
**Progreso 1.0 MGD Reverse Osmosis Treatment Plant**  
Plant and Collection System  
***Funded by USDA Rural Development***
- **City of San Perlita**  
**Infrastructure Recovery Project**  
2016 Street Improvements Project  
***Funded by Texas Department of Rural Affairs***
- **Donna Apartments**  
*New Construction Apartments*  
***Funded by South Texas Economic Development Corporation***
- **Hidalgo County Housing Authority**  
**Memorial Apartments**  
New Construction Apartments
- **City of La Grulla**  
**Water Facilities Project**  
*Water Improvements Project*  
***Funded by Texas Department of Rural Affairs***
- **City of La Grulla**  
**Street/Drainage Improvement Project 2013**  
Drainage Improvements Project  
***Funded by Texas Department of Rural Affairs***

## EXPERIENCE

### Assignment No. 1 – Funded by Community Development Grant Program through GLO:

**Project Name:** City of La Grulla  
Water Facilities Project

Fulcrum Consulting Services prepared the federal assistance application, final design, construction management and preparation of plans and specifications. The Water Facilities Project consisted of Two (2) 1,500 gpm river intake pumps with all associated appurtenances. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** La Grulla, Texas  
Starr County

**Contact Person:** Mr. Pedro A. Flores  
Mayor  
City of La Grulla  
La Grulla, Texas  
(956) 487-5733

### Assignment No. 2 – Funded by Community Development Grant Program through GLO:

**Project Name:** City of La Grulla  
Street/Drainage Improvement Project  
Project No. 712330

Fulcrum Consulting Services prepared the federal assistance application, final design and preparation of Plans and Specifications. Project was completed on schedules time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** La Grulla, Texas  
Starr County

**Contact Person:** Mr. Pedro A. Flores, Mayor  
City of La Grulla  
La Grulla, Texas  
(956) 487-5733



**Assignment No. 3 – Funded by South Texas Economic Development Corporation:**

**Project Name:** Donna Apartments

The project involved the development and construction of 24 unit residential communities located in Donna, Texas. The project consists of three (3) single story residential buildings and master plan for circulation and traffic patterns.

**Location (Project Area):** Donna, Texas  
Hidalgo County

**Contact Person:** Jesse Perez, STEDC Executive Director  
(956) 648-2792

**Assignment No. 4 – Funded by Disaster Recovery Funds-FEMA:**

**Project Name:** City of San Perlita  
2016 Street Improvements Project

The following items were prepared and completed for this project: federal assistance application, preliminary engineering report, and design for rehabilitation of streets after floods. The project also included drainage improvements. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Contact Person:** Mrs. Aurora De Luna  
City Mayor  
City of San Perlita  
San Perlita, Texas  
(956) 248-5725

**Assignment No. 5 – Funded by USDA Rural Development:**

**Project Name:** Military Highway Water Supply Corporation  
Progreso 1.0 MGD Reverse Osmosis Treatment Plant

The following items were prepared and completed for this project: federal assistance application, preliminary engineering report, environmental assessment, TCEQ permitting and final design for a 1.0 MGD reverse osmosis water treatment facility treating brackish groundwater. The reverse osmosis treatment facility will benefit approximately one thousand (1,000) Colonia families living in and around the City of Progreso. The reverse osmosis treatment facility is designed to treat groundwater high in total dissolved solids and utilized integrated filter membranes consisting of micro-filtration for pre-treatment and reverse osmosis for final treatment. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** Progreso, Texas  
Hidalgo County

**Contact Person:** Mr. Ramon Rosales  
General Manager  
Military Highway Water Supply Corporation  
Relampago, Texas  
(956) 565-2491

**Assignment No. 6 – Funded by Texas Water Development Board:**

**Project Name:** City of Edcouch  
Sanitary Sewer Rehabilitation Project

The following were prepared and completed for this project: federal assistance application, preliminary engineering report, environmental assessment, TCEQ permitting and final design for a rehabilitation project replacement of approximately 3,837 linear feet of eight to fifteen inch diameter gravity sewer line using Cure In-Place Piping technology. The proposed project also includes the rehabilitation of approximately six brick manholes and approximately six lift stations to bring them up to electrical code and Texas Commission on Environmental Quality compliance. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** Edcouch, Texas  
Hidalgo County

**Contact Person:** Mr. Hugo De La Cruz  
City Manager  
City of Edcouch  
Edcouch, Texas  
(956) 262-2140

**Assignment No. 7 – Funded by CDBG Program:**

**Project Name:** City of San Perlita Community Center Project

Fulcrum Consulting Services prepared federal financial assistance application, final design and operational phase engineering services for structural, civil design, heating, ventilation and cooling. Fulcrum Consulting Services was responsible for the design of all structural, civil, and MEP Components. City of San Perlita Community Center is approximately 5,000 square feet which doubles as a Community Center and Emergency Operations Center. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Location):** City of San Perlita  
Willacy County, Texas

**Contact Person:** Ms. Soyla D. Rodriguez, Mayor  
City of San Perlita, Texas  
(956) 248-5725



**Assignment No. 8 – Funded by USDA Rural Development:**

**Project Name:** Santa Maria Independent School District  
New High School/Junior High School Project

The following items were prepared and completed for this project: federal assistance application, final design and operational phase engineering services for structural, civil, mechanical, electrical and plumbing design. Fulcrum Consulting Services was responsible for the design of all Architectural and Landscape design. Santa Maria Independent School District New High School/Junior High School is approximately 55,800 square feet. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** Santa Maria  
Cameron County, Texas

**Contact Person:** Mr. Martin Cuellar  
Superintendent  
Santa Maria Independent School District  
Santa Maria, Texas  
(956) 514-1395

**Assignment No. 9 – Funded by USDA Rural Development:**

**Project Name:** Rio Water Supply Corporation  
2.0 MGD Water Treatment Plant

The following items were prepared and completed for this project: federal assistance application, preliminary engineering report, environmental assessment, TCEQ permitting and final design for a 2.0 MGD Water Treatment Facility treating raw water taken from the Rio Grande River. This facility was designed to supply potable drinking water to approximately 1,428 families living within 11 surrounding colonias in the Rio Water Supply Corporation service area just west of the city of Rio Grande. The project consists of one (1) rapid mix basin, one (1) clarifier, one (1) filtering unit, one (1) storage tank, one (1) clear well, one (1) backwash pond and one (1) intake structure. Project was completed on scheduled time and was managed with budgetary constraints to deliver a high quality product.

**Location (Project Area):** Starr County, Texas

**Contact Person:** Lourdes Guerra  
General Manager  
Rio Water Supply Corporation  
Rio Grande City, Texas  
(956) 487-2085

**Assignment No. 10 – Funded by Texas Parks & Wildlife:**

**Project Name:** City of La Villa Elevated Storage Tank

The following items were prepared and completed for this project: federal assistance application, preliminary engineering report, and environmental assessment, TCEQ permitting and final design for Elevated Storage Tank.

**Location (Project Area):** La Villa, Texas  
Hidalgo County

**Contact Person:** Mr. Arnie Amaro  
City Administrator  
City of La Villa  
La Villa, Texas  
(956) 262-2122

## REFERENCES

1.     **Client:**                                 Military Highway Water Supply Corporation  
                                                      Relampago, Texas

**Owner's Representative**                 Ramon Rosales, Jr., General Manager  
                                                              (956) 565-2491
2.     **Client:**                                 Santa Maria ISD  
                                                      Santa Maria, Texas

**Owner's Representative:**                 Mr. Martin Cuellar, General Manager  
                                                              (956) 514-1395
3.     **Client:**                                 City of La Grulla  
                                                      La Grulla, Texas

**Owner's Representative:**                 Pedro Flores  
                                                              (956) 487-3341
4.     **Client:**                                 City of San Perlita  
                                                      San Perlita, Texas

**Owner's Representative:**                 George M. Guadiana, Mayor  
                                                              (956) 248-5725
5.     **Client:**                                 City of La Villa  
                                                      La Villa, Texas

**Owner's Representative:**                 Mr. Mata, City Administrator  
                                                              (956) 262-2122



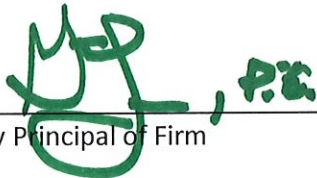
**Exhibit C: Required RFQ Forms**  
**Insert Certificate of Insurance**

| CERTIFICATE OF INSURANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   | DATE (MM/DD/YY)<br>01/28/2020                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------|
| <b>PRODUCER AND TITLE NAME INSURED</b><br>Prime Insurance Company<br><br>8722 S. Harrison St.<br>Sandy, UT 84070<br>(801) 304-5500                                                                                                                                                                                                                                                                                                                                                       |               | THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE OF INSURANCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE INSURANCE POLICIES BELOW.                                                                                                                                                                                 |                                   |                                                   |
| <b>INSURED</b><br>Latamira LLC<br><br>DBA: Fulcrum Consulting Services<br>207 E Magnolia Ave<br>La Feria, TX 78559                                                                                                                                                                                                                                                                                                                                                                       |               | <b>INSURERS AFFORDING COVERAGE</b><br><br>INSURER A: Prime Insurance Company<br>INSURER B:<br>INSURER C:<br>INSURER D:<br>INSURER E:                                                                                                                                                                                                                                                                                                            |                                   |                                                   |
| <b>"LIMITS SHOWN ARE THOSE IN EFFECT AS OF POLICY INCEPTION"</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <b>COVERAGES</b><br>The policies of insurance listed below have been issued to the insured named above for the policy indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies. Aggregate limits shown may have been reduced by paid claims. |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YY)                                                                                                                                                                                                                                                                                                                                                                                                                | POLICY EXPIRATION DATE (MM/DD/YY) | LIMITS                                            |
| <input checked="" type="checkbox"/> <b>Commercial Liability</b><br><input checked="" type="checkbox"/> Claims Made<br><input checked="" type="checkbox"/> Exclude Products<br><input checked="" type="checkbox"/> Exclude Completed Operations                                                                                                                                                                                                                                           | CC1911028B    | 11/6/2019                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11/6/2020                         | \$1,000,000 Policy Aggregate<br>\$500,000 Per Act |
| <input type="checkbox"/> <b>Commercial Auto Liability</b><br>Any Auto<br>All Owned Autos<br>Scheduled Autos<br>Hired Autos<br>Non-Owned Autos<br>Drive Away                                                                                                                                                                                                                                                                                                                              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <input type="checkbox"/> <b>Commercial Garage Liability</b><br>G.K.L.L.<br>O.T.R.P.D.<br>D.O.O.<br>Cargo<br>On Hook<br>Employee Dishonesty<br>Wrongful Repossession<br>Claims Made<br>Exclude Products<br>Exclude Completed Operations                                                                                                                                                                                                                                                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <input type="checkbox"/> <b>Excess Liability</b><br><input type="checkbox"/> Claims Made                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <b>OTHER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <b>DESCRIPTION OF OPERATION/LOCATION/VEHICLE/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS</b><br>Coverage is limited to only insured activities or operations identified in the Policy. Engineers - Per Person, Engineers - Consulting Engineers - Professional Liability.                                                                                                                                                                                                         |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |
| <input checked="" type="checkbox"/> <b>CERTIFICATE HOLDER</b><br>Hidalgo County<br><br>ATTN: Purchasing Department<br><br>Edinburg, TX 78539                                                                                                                                                                                                                                                                                                                                             |               | <input type="checkbox"/> <b>ADDITIONAL INSURED</b><br><br><input type="checkbox"/> <b>LOSS PAYEE</b><br><br>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 90 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. |                                   |                                                   |
| AUTHORIZED REPRESENTATIVE<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                                   |

### CONFLICTS OF INTEREST STATEMENT

I certify that the following statement is true with respect to the Request of Qualifications for Engineering/Architectural/Surveying Services for the City of Weslaco.

1. No principle or employee of this firm has offered or promised to pay or deliver or indirectly, any commission, political contribution, gift, favor, gratuity, benefit, or reward as an inducement to secure this assignment;
2. No employee, officer, or agent of the City of Weslaco, or their immediate family members, has financial or other interest in this firm;
3. This firm will not engage in construction contracting or in the supply of goods, materials and/or equipment for the construction of this project;
4. This firm is not associated or affiliated, either directly or indirectly, with firms, individuals, or commercial organizations that have a vested interest in the construction of this project.



Signed by Principal of Firm

George E. Lazaro, P.E.

Name Typed

General Manager

Title

**Insert System for Award Management (SAM) record search for company name and company principal.**





**⚠️ ALERT:** SBA connectivity is experiencing an outage. For questions about small business size status, users should return later or contact SBA directly ([www.sba.gov](http://www.sba.gov)).

**⚠️ ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 09/12/2020 from 8:00 AM to 1:00 PM.

## Entity Dashboard

- Entity Overview
- Entity Registration
  - Core Data
  - Assertions
  - Reps & Certs
  - POCs
- Reports
  - Service Contract Report
  - BioPreferred Report
- Exclusions
  - Active Exclusions
  - Inactive Exclusions
  - Excluded Family Members

[BACK TO USER DASHBOARD](#)

LAZCAMREA, LLC  
DUNS: 069929571 CAGE Code: 888R0  
Status: Active  
Expiration Date: 01/14/2021  
Purpose of Registration: All Awards

207 E MAGNOLIA AVE  
LA FERIA, TX, 78559-5147,  
UNITED STATES

### Entity Overview

#### Entity Registration Summary

DUNS: 069929571  
Name: LAZCAMREA, LLC  
Doing Business As: Fulcrum Consulting Services  
Business Type: Business or Organization  
Last Updated By: George Lazaro  
Registration Status: **Active**  
Activation Date: 01/15/2020  
Expiration Date: 01/14/2021

#### Exclusion Summary

Active Exclusion Records? No



IBM-P-20200814-1154  
WWW1

|                |                |             |
|----------------|----------------|-------------|
| Search Records | Disclaimers    | FAPIS.gov   |
| Data Access    | Accessibility  | GSA.gov/IAE |
| Check Status   | Privacy Policy | GSA.gov     |
| About          |                | USA.gov     |
| Help           |                |             |

**CONFLICT OF INTEREST QUESTIONNAIRE****FORM CIQ**

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1** Name of vendor who has a business relationship with local governmental entity.

N/A

**2** ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)**3** Name of local government officer about whom the information is being disclosed.

N/A

Name of Officer

**4** Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

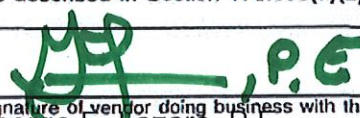
A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes☒ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes☒ No**5** Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

N/A

**6** ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).**7**   
Signature of vendor doing business with the governmental entity  
George E. Jazaro, P.E.

9/9/2020

Date



## **CONFLICT OF INTEREST QUESTIONNAIRE**

### **For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

- (A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that
  - (i) a contract between the local governmental entity and vendor has been executed; or
  - (ii) the local governmental entity is considering entering into a contract with
  - (iii) the vendor;
- (B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:
  - (i) a contract between the local governmental entity and vendor has been executed; or
  - (ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Fulcrum Consulting Services, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

George E. Lazaro, P.E.

\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

9/9/2020

\_\_\_\_\_  
Date



## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether sub-awardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the sub-awardee, e.g., the first sub-awardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Sub-awardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitations for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Included prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

---

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503

Approved by OMB

0348-0046

**Disclosure of Lobbying Activities**

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                  |                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br>a. contract<br>_____ b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Status of Federal Action:</b><br>a. bid/offer/application<br>_____ b. initial award<br>c. post-award                                                                                                                                          | <b>Report Type:</b><br>a. initial filing<br>_____ b. material change                                                             |
| <b>Name and Address of Reporting Entity:</b><br>_____ Prime _____ Sub awardee<br>Tier _____, if Known:<br><br>Congressional District, if known:                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                  | <b>If Reporting Entity in No. 4 is Sub awardee,</b><br>Enter Name and Address of Prime:<br><br>Congressional District, if known: |
| <b>Federal Department/Agency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>7. Federal Program Name/Description:</b><br><br>CFDA Number, if applicable: _____                                                                                                                                                             |                                                                                                                                  |
| <b>Federal Action Number, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>9. Award Amount, if known:</b><br><br>\$                                                                                                                                                                                                      |                                                                                                                                  |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i>                                                                                                            |                                                                                                                                  |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <br><b>Print Name:</b> George E. Lazaro, P.E.<br><b>Title:</b> General Manager<br><b>Telephone No.:</b> 956-797-3411 <b>Date:</b> 9/9/2020 |                                                                                                                                  |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Authorized for Local Reproduction</b><br><b>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                                                               |                                                                                                                                  |



**CERTIFICATE OF INTERESTED PARTIES****FORM 1295**

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Fulcrum Consulting Services  
La Feria, TX United States

Certificate Number:

2020-665630

Date Filed:

09/09/2020

Date Acknowledged:

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

City of Weslaco

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

Engineering/Architectural/Surv  
Engineering/Architectural/Surveying

| 4 | Name of Interested Party | City, State, Country (place of business) | Nature of interest<br>(check applicable) |              |
|---|--------------------------|------------------------------------------|------------------------------------------|--------------|
|   |                          |                                          | Controlling                              | Intermediary |
|   |                          |                                          |                                          |              |
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5 Check only if there is NO Interested Party.

**6 UNSWORN DECLARATION**

My name is George E. Lazaro, P.E., and my date of birth is 8/27/1969.

My address is 512 E. Magnolia Ave., La Feria, TX, 78559, Cameron  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Cameron County, State of Texas, on the 9th day of September, 20 20.  
(month) (year)

  
Signature of authorized agent of contracting business entity  
(Declarant)


  
George E. Lazaro, P.E.

### Exhibit D: REQUIRED CONTRACT PROVISIONS

2 CFR 200.326 Contract provisions. The non-Federal entity's contracts must contain the applicable provisions described in Appendix II to Part 200—Contract Provisions for non-Federal Entity Contracts Under Federal Awards. The non-Federal entity's contracts must contain the applicable provisions described in Appendix II to Part 200—Contract Provisions for non-Federal Entity Contracts Under Federal Awards.

#### All Contracts

| THRESHOLD                                        | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CITATION                  |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| >\$150,000<br>(Simplified Acquisition Threshold) | Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.                                                                                                                                                                                                                                                   | 2 CFR 200 APPENDIX II (A) |
| >\$10,000                                        | All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 CFR 200 APPENDIX II (B) |
| None                                             | Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. | 2 CFR 200 APPENDIX II (F) |
| None                                             | Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.                                                                                          | 2 CFR 200 APPENDIX II (H) |
| None                                             | Records of non-Federal entities. The U.S. Department of Housing and Urban Development (HUD), Inspectors General, the Comptroller General of the United States, the Texas General Land Office (GLO), and the pass-through entity, or any of their authorized representatives, must have the right of access to any documents, papers, or other records of the non-Federal entity which are pertinent to the Federal award, in order to make audits, examinations, excerpts, and transcripts. The right also includes timely and reasonable access to the non-Federal entity's personnel for the purpose of interview and discussion related to such documents.                                                                 | 2 CFR 200.336             |
| None                                             | Financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. The only exceptions are the following:                                         | 2 CFR 200.333             |



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|      | <p>(a) If any litigation, claim, or audit is started before the expiration of the 3-year period, the records must be retained until all litigation, claims, or audit findings involving the records have been resolved and final action taken.</p> <p>(b) When the non-Federal entity is notified in writing by the Federal awarding agency, cognizant agency for audit, oversight agency for audit, cognizant agency for indirect costs, or pass-through entity to extend the retention period.</p> <p>(c) Records for real property and equipment acquired with Federal funds must be retained for 3 years after final disposition.</p> <p>(d) When records are transferred to or maintained by the Federal awarding agency or pass-through entity, the 3-year retention requirement is not applicable to the non-Federal entity.</p> <p>(e) Records for program income transactions after the period of performance. In some cases recipients must report program income after the period of performance. Where there is such a requirement, the retention period for the records pertaining to the earning of the program income starts from the end of the non-Federal entity's fiscal year in which the program income is earned.</p> <p>(f) Indirect cost rate proposals and cost allocations plans. This paragraph applies to the following types of documents and their supporting records: indirect cost rate computations or proposals, cost allocation plans, and any similar accounting computations of the rate at which a particular group of costs is chargeable (such as computer usage chargeback rates or composite fringe benefit rates).</p> <p>(1) If submitted for negotiation. If the proposal, plan, or other computation is required to be submitted to the Federal Government (or to the pass-through entity) to form the basis for negotiation of the rate, then the 3-year retention period for its supporting records starts from the date of such submission.</p> <p>(2) If not submitted for negotiation. If the proposal, plan, or other computation is not required to be submitted to the Federal Government (or to the pass-through entity) for negotiation purposes, then the 3-year retention period for the proposal, plan, or computation and its supporting records starts from the end of the fiscal year (or other accounting period) covered by the proposal, plan, or other computation.</p> |               |
| None | <p>Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.</p> <p>(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.</p> <p>(b) Affirmative steps must include:</p> <p>(1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;</p> <p>(2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;</p> <p>(3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 CFR 200.321 |

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|                                                                     | <p>(4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;</p> <p>(5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and</p> <p>(6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.</p> |          |
| Option Contract Language for contracts awarded prior to Grant Award | The contract award is contingent upon the receipt of CDBG-DR funds. If no such funds are awarded, the contract shall terminate.                                                                                                                                                                                                                                                                                                                                                                                                                     | Optional |



EO Clause for Construction Contracts > \$10K including administration & engineering contracts associated with construction contracts

| THRESHOLD | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CITATION                                               |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| >\$10,000 | <p>Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."</p> <p>41 CFR 60-1.4 Equal opportunity clause.</p> <p>(b) Federally assisted construction contracts. (1) Except as otherwise provided, each administering agency shall require the inclusion of the following language as a condition of any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of the equal opportunity clause:</p> <p>The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:</p> <p>During the performance of this contract, the contractor agrees as follows:</p> <p>(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:</p> <p>Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.</p> <p>(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.</p> <p>(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to</p> | <p>41 CFR §60-1.4(b) and 2 CFR 200 APPENDIX II (C)</p> |

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|  | <p>individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.</p> <p>(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.</p> <p>(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.</p> <p>(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.</p> <p>(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.</p> <p>(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:</p> <p>Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.</p> <p>The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.</p> <p>The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules,</p> |  |
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|  | <p>regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.</p> <p>The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.</p> <p>(c) Subcontracts. Each nonexempt prime contractor or subcontractor shall include the equal opportunity clause in each of its nonexempt subcontracts.</p> <p>(d) Inclusion of the equal opportunity clause by reference. The equal opportunity clause may be included by reference in all Government contracts and subcontracts, including Government bills of lading, transportation requests, contracts for deposit of Government funds, and contracts for issuing and paying U.S. savings bonds and notes, and such other contracts and subcontracts as the Director of OFCCP may designate.</p> <p>(e) Incorporation by operation of the order. By operation of the order, the equal opportunity clause shall be considered to be a part of every contract and subcontract required by the order and the regulations in this part to include such a clause whether or not it is physically incorporated in such contracts and whether or not the contract between the agency and the contractor is written.</p> <p>(f) Adaptation of language. Such necessary changes in language may be made in the equal opportunity clause as shall be appropriate to identify properly the parties and their undertakings.</p> <p>[80 FR 54975, Sept. 11, 2015]</p> |  |
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| THRESHOLD  | PROVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CITATION                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| >\$2,000   | <p><i>Compliance with the Davis-Bacon Act (40 U.S.C. 3141 et seq.) as supplemented by Department of Labor regulations (29 CFR part 5) and with the Copeland "Anti-Kickback" Act (18 U.S.C. 874; 40 U.S.C. 3145) as supplemented in Department of Labor regulations (29 CFR part 3):</i></p> <p>Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.</p> | 2 CFR 200 APPENDIX II (D)                     |
| >\$100,000 | <p>Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 CFR 200 APPENDIX II (E)                     |
| >\$150,000 | <p>Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 CFR 200 APPENDIX II (G)                     |
| >\$100,000 | <p>Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 CFR 200 APPENDIX II (I) and 24 CFR §570.303 |



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|            | <p>employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |
| >\$100,000 | <p>All Section 3 covered contracts shall include the following clause (referred to as the Section 3 clause):</p> <p>A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.</p> <p>B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.</p> <p>C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.</p> <p>D. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.</p> <p>E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.</p> <p>F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.</p> <p>G. With respect to work performed in connection with Section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i)</p> | 24 CFR §135.38 |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|  | <p>preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
|  | <p>A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.</p> <p>[78 FR 78608, Dec. 26, 2013, as amended at 79 FR 75885, Dec. 19, 2014]</p> | <p>2 CFR 200<br/>APPENDIX II (J)</p> |
|  | <p>Mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>42 U.S.C. 6201</p>                |





## VENDOR'S NOTICE OF INTENT TO SUBMIT QUALIFICATIONS

If you intend to submit qualifications for  
**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation RFQ No.: 2019-20-24**

with the City of Weslaco as outlined in the specifications, please indicate your intention by signing,  
dating, and returning this form to the address below prior to **September 10, 2020** so that you may  
receive any addendums to the specifications should the need arise.

Homer Rhodes  
City of Weslaco  
Purchasing Office  
255 S. Kansas Avenue  
Weslaco, Texas 78596  
Phone: 956.447.2240  
Fax: 956.969.8452  
hrhodes@weslacotx.gov

Name: Jose L. Muñoz

Signature: \_\_\_\_\_

(print / contact person)

Title: President

Company/Agency: \_\_\_\_\_

Guzman & Muñoz  
Engineering and Surveying, Inc.

Mailing

Address: 2020 E. Expressway 83

City/State/Zip: Mercedes, TX 78570

Phone: (956) 565-4637

Fax: (956) 565-4636

Email Address: jmunoz@gmes.biz

RFQ No.: 2019-20-24



"The City on the Grow"

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Lety Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
DATE & TIME:**  
September 10, 2020 at  
3:00 PM

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2010 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFOenJjZlYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

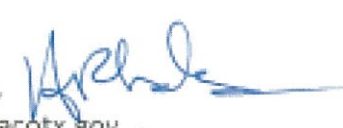
877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,   
hrhodes@weslacotx.gov

Purchasing Agent

**Acknowledged by Firm:**



**date: August 28, 2020**



City of Weslaco

**ENGINEERING/ARCHITECTURAL/  
SURVEYING SERVICES  
FOR COMMUNITY  
DEVELOPMENT BLOCK GRANT  
MITIGATION (CDBG-MIT)**

RFP 2019-20-24 | September 10, 2020

**SUBMITTED TO:**

City of Weslaco  
Homer Rhodes  
Purchasing Manager  
255 S. Kansas Ave.  
Weslaco, Texas 78596  
Submitted electronically via Dropbox

**SUBMITTED BY:**

CONSОР Engineers, LLC  
Point of Contact: Ricardo Pedraza, PE  
200 S 10<sup>th</sup> Street, Suite 800  
McAllen, Texas 78501  
Phone: 512.788.4629  
Email: [rpedraza@consoreng.com](mailto:rpedraza@consoreng.com)



# **Tab 1: Transmittal Letter**

September 10, 2020

City of Weslaco  
Homer Rhodes  
Purchasing Manager  
Weslaco, TX 78596  
*Submitted via Dropbox*

**RE: RFP 2019-20-24, Engineering/Architectural/Surveying Services for  
Community Development Block Grant Mitigation (CDBG-MIT)**

Dear Mr. Rhodes,

**CONSOR Engineers, LLC** (CONSOR) is pleased to submit this statement of qualifications to demonstrate our interest and commitment to perform professional engineering services to the City of Weslaco for the Community Development Block Grant Disaster Recovery-Mitigation (CDBG-MIT) program. We understand that the scope of work to be performed encompasses all application and project-related engineering, architectural, and surveying services including pre-funding services (grant applications, as necessary) and post-funding services (initial and final engineering and design support, bid and award support, contract management and construction oversight, and specialized services).

Throughout our 30-year history, we have grown into a multi-discipline, hybrid design, inspection, and construction engineering and inspection company focused on providing innovative engineering solutions to local, state, and federal clients for today's engineering challenges. Our desire to meet these challenges led to the creation of CONSOR in 2018. CONSOR's legacy firms, including AIA Engineers, established in Texas in 1985, are proven leaders across the civil engineering landscape. Our combined portfolio spans large to small projects across North America, with 40 offices nationwide and 850 employees today. CONSOR was recently ranked #125 on ENR's 2020 list of the top 500 design firms.

Our firm is well-versed in all areas of project development, from planning through final design. Tenured engineers developed our engineering planning and design divisions with an exceptional understanding of the unique needs and challenges of our clients. We approach each project as though we are an extension of your staff, applying practical, realistic solutions to a multitude of engineering scenarios. CONSOR can provide the City with the high-quality design services of a nationally recognized organization paired with the local attention of a South Texas-based firm.

CONSOR's McAllen office will serve as the responsible office for this contract with support from our six additional Texas offices. **Ricardo Pedraza, PE** will serve as project manager and brings more than 18 years of experience to the team. Mr. Pedraza is a former local Director of Public Work, and his depth of experience allows him the unique opportunity to consistently present value-added solutions that will satisfy all project stakeholders. His familiarity with City staff, processes, and procedures will be highly beneficial to the successful completion of this project.

CONSOR meets state licensing requirements to practice engineering in Texas (TBPELS F-12040), and we confirm that CONSOR has not had a record of substandard work within the last five years and that the firm has not engaged in any unethical practices within the last five years.

CONSOR has the proven ability to perform similar work and has done so for agencies throughout the state. Our project management experience, coupled with our team's proficient technical skills, enables us to provide the City with a high-quality process and product. While technical capabilities are the common denominator in engineering firms, the CONSOR team adds an element of unsurpassed quality, which sets us apart. We will not only deliver a quality product but also offer an impeccable process that is effortless for the City.

Thank you for your consideration.

Sincerely,



Janice Kruse, PE  
President

☎ 281.493.4140 ✉ [jkruse@consoreng.com](mailto:jkruse@consoreng.com)

### WHY CONSOR?

The ability to **commit resources** to successfully complete this project **on time and within budget**



Team and project office are **local**



Key personnel **experienced** in similar municipal and federally funded projects



A **deep understanding** of project sites and surrounding environment

# **Tab 2: Company Profile**



## COMPANY PROFILE

**CONSOR Engineers, LLC** is a local South Texas engineering firm providing services in civil engineering including transportation planning and design, structural assessment, water/wastewater engineering, and construction services. CONSOR was originally formed through a merger of four firms that are proven leaders across the civil engineering landscape. Now with more than 40 offices, CONSOR employs more than 8500 professional, technical, and administrative staff. This includes more than 155 licensed professional engineers. CONSOR is a registered professional engineering firm in Texas (#12040). CONSOR's engineering planning and design divisions were developed by experienced engineers with an exceptional understanding of the unique needs and challenges of transportation clients and government agencies, and we have been providing innovative engineering solutions in Texas since the founding of legacy firm AIA Engineers in 1985.

The CONSOR team is well-qualified and experienced and has the capabilities to provide the City of Weslaco with the necessary services to meet and/or exceed the project requirements and goals. Supplementing CONSOR's services will be well-known subconsultants – Monolith Consulting (Public Involvement); RODS Surveying (Survey); RODS SUE (SUE); Millennium Engineers Group, Inc. (Geotechnical); Ambiotec (Environmental); Gignac and Associates (Architectural); and RO Engineering, PLLC (MEP). We believe this combination of firms, combined with our regional assets, will provide new perspectives and an innovative approach to the City of Weslaco for the Engineering/ Architectural/ Surveying Services For Community Development Block Grant Mitigation (CDBG-MIT) Project.

**Pre-Funding Services:** The CONSOR team is prepared to provide pre-funding services and support team member Monolith in the research of data and information acquisition for the grant application process necessary to receive funding for the City of Weslaco Community Development Block Grant Mitigation (CDBG-MIT).

**Post-Funding Services:** The CONSOR team always begins with the end in mind, which means successfully accomplishing our client's goals. To ensure success to the end, our approach is unique as we strategically select a diverse team of successful experienced professionals tailored to our client's project requirements. The CONSOR team always aspires to meet or exceed federal DBE goals by teaming with DBE certified firms who we are confident in their technical abilities and ability to adhere to the project schedule, deliverables, and recommendations.

Beginning with the end in mind means defining early on our client's goals, then preparing a work plan, establishing team communication, budget, schedule, and quality control. This process ensures the CONSOR team is successful in delivering the project on time, under budget, plan review, construction management, and fulfilling the City of Weslaco high-quality standards.

**CONSOR's Initial/ Final Engineering and Design Support:** Once the contract is executed, and the City of Weslaco issues the Notice to Proceed (NTP), **Ricardo (Rick) Pedraza, MS, PE** (Project Manager) will schedule and coordinate kick-off meetings with the City and the project team to initiate the scope of work which will include the following tasks:

### Project Management

- Coordinate with Team on required forms, contract rate, and negotiation documents
- Site visits and scoping meeting with the City and TxDOT
- Identify existing utilities
- Review as-built plans
- Prepare man-hour estimate, fee proposal
- Prepare project schedule
- Prepare Project Management Plan (PMP)
- Prepare staffing plans and organization chart with roles/responsibilities
- Tailor and implement the QA/QC Plan
- Prepare baseline schedule using scheduling software
- Establish invoicing procedures
- Establish a communication protocol
- Identify team members to conduct QA/QC reviews

### Project Studies

- Analysis of environmental impacts and mitigation
- ROW determination
- Data collection/preliminary design preparation
- Conduct early coordination with stakeholders
- Prepare and execute additional agreements
- Review traffic data
- Obtain right of entry
- Obtain related data, plans, studies, and reports
- Obtain information on existing utilities
- Obtain traffic crash data
- Obtain hydraulic studies
- Obtain geospatial data
- Perform other surveys
- Prepare pavement design report
- Submit required permits with TxDOT, County, City, Irrigation District, Drainage District, US Army Corps of Engineers, U.S. IBWC, TCEQ, etc.

**Alternative Selection**

- Evaluate corridor alternatives
- Perform preliminary Level of Service analysis
- Evaluate route alternatives
- Initiate railroad coordination
- Geometrics
- Evaluate geometric alternatives
- Develop typical sections
- Develop bicycle and pedestrian accommodation
- Update cost estimates

**Geometric Design**

- Develop preferred geometric alignment
- Develop a 3D model
- Perform preliminary geotechnical surveys
- Refine typical sections
- Consider impacts on historic structures
- Determine guide signing and operational controls
- Establish preliminary retaining or noise wall locations
- Perform hydrologic study
- Perform preliminary hydraulic analysis/design
- Determine ROW and access needs
- Identify existing utilities on the geometric schematic
- Identify potential utility conflicts
- Establish preliminary illumination locations
- Conduct constructability review
- Update cost estimates
- Update project scope
- Review scope, cost, and staff requirements of project development

**Value Engineering**

- Conduct value engineering (VE) study if warranted
- Revise design based on a value engineering study findings

**Geometric Design Approval**

- Finalize 3D model
- Review geometric design with stakeholders
- Design exceptions or waivers
- Revise geometric design based on public input
- Obtain approval of the final geometric design

**Public Involvement (PI)**

- Prepare PI Plan and follow the guidance provided in the TxDOT Public Involvement Handbook, v.12 (updated March 2020)
- Choose the event date/time convenient for the public
- Avoid holidays
- Prepare stakeholder list including public officials and regulatory agencies and send mail-outs
- Select and secure appropriate virtual meeting platform, audio/visual computer equipment in order, and adequate virtual room size/configuration for registration, presentation, and comment area. The venue must also have adequate parking, accessible entries, and comply with ADA.
- Consider strategies for communicating with underserved and limited English proficiency populations
- Post the event notification at City of Weslaco City Hall, City of Weslaco website, and local newspaper 15 days

before the event

- Prepare/send flyers, notices, banner ads, Facebook sponsored ads, email blasts, use interchangeable message signs, and public notices
- Arrange transcription and translation
- If publicly held, prepare event materials and exhibits including wayfarer signs, station signs, sign-in sheets, agenda, informational handouts, exhibit boards, maps, videos, PowerPoint presentations, and comment forms
- Provide ample staff including multi-lingual attending meetings and performing registration
- Test all equipment and bring a backup
- Prepare PowerPoint presentations, looping videos and 3-D virtual imageries/videos
- Attend dress rehearsal with City staff and brief event staff on location, logistics, time to arrive, and project details
- Set-up event according to approved layout sketch, photograph event, interact with the public and LISTEN to comments.

**Environmental Documentation**

- Determine the type of environmental document to prepare (EIS, EA, or CE)
- Prepare the "Purpose and Need" statement
- Identify Effects and Cumulative Impacts
- Conduct natural resources study if warranted
- Conduct cultural resources study if warranted
- Prepare Section 4(f) Evaluation
- Perform hazardous materials assessment and investigation
- Prepare socioeconomic/environmental justice analysis
- Determine right of way relocation impacts
- Analyze the existing environment
- Conduct noise analysis if warranted
- Conduct air quality analysis if warranted
- Determine the project's environmental consequences
- Prepare a description of project alternatives
- Conduct public meeting(s)
- Prepare exhibits for environmental documentation
- Stake areas of potential impact
- Prepare environmental mitigation plans
- Notice of availability
- Conduct public hearing
- Obtain environmental clearance

**Intersection Design**

- Compatibility with the highway system and functional classification of the intersecting highway
- Operational and safety considerations (e.g., signing)
- Availability of access control along the crossroad
- Road-user impacts (e.g., travel distance and time, convenience, comfort)
- Driver expectancy
- Topography and geometric design
- ROW impacts and availability, construction and maintenance costs, and potential for stage construction
- Accommodation of pedestrians and bicyclists on crossroad
- Environmental impacts
- Potential growth of the surrounding area

- Utilize appropriate design criteria and design speed
- Horizontal alignment
  - Flat and straight
  - Provide adequate sight distance at the intersection
- Vertical clearance
  - Provide a minimum clearance of 16.5-ft. for Texas Highway Freight Network (THFN)
  - Maintain clearance requirements of 18.5-ft. and overhead signs shall provide a vertical clearance of not less than 19-ft. 6-in. to the sign, light fixture, or sign bridge over the entire width of the pavement and shoulders
  - Allow for future overlays
- Intersection configuration
  - Meets operational needs
  - Fits topography
- Advance guide signing – meet TMUTCD requirements
- Crossroad design
  - Sidewalks provided
  - Sufficient control of access along crossroad beyond the intersection
- Utilize access management techniques

#### **Drainage**

- Determine stream and flood profiles for existing conditions
- Perform extensive data collection involving site investigations and coordination with State, local floodplain administrator, FEMA, and USACE to determine flooding history of roadway and bridges
- Drainage areas delineated, and run-offs determined using the Rational Method for less than 200 acres
- All-terrain best practice design methods
- Geopak drainage/SUDA for storm sewer
- Watershed Modeling System (WMS), Hec-RAS

#### **Right-of-Way**

- Perform preliminary ROW research
- Coordinate with City of Weslaco Development Services, ROW mapping, survey, and utility coordinators to manage specialized tasks and identify information needed
- Perform a field survey and establish existing ROW
- Research abutting property ownership
- Identify property owners as soon as possible in the preliminary design phase of project development
- Identify property interests owned by members of the Texas Legislature. These interests must be acquired by condemnation.
- Obtain contractual agreements with local public agencies
- Perform advanced acquisition for qualified parcels
- Obtain authority for the ROW project release
- Review scope, cost, and staff requirements of the project development
- Identify impediments to parcel acquisition
- Prepare and execute joint-use/multiple-use agreements
- Appraise parcels
- Implement the ROW acquisition process
- Implement the relocation assistance program
- Dispose of improvements
- Prepare ROW and encroachment certifications

#### **Utilities**

- Call TEXAS 811 to locate existing utilities within the project corridor
- Collaborate and coordinate with utility stakeholders
- Perform preliminary utility research
- Perform site reconnaissance to confirm maps of utilities
- Coordinate with City and TxDOT Utility Coordinators
- Locate, log, and survey visible features of utilities
- Mark and label locations of subsurface utilities on the ground with stakes, laths, or other means
- Consult with Team Utility Coordinator to determine the need for SUE Identify strategic subsurface features, to “pothole”
- Survey SUE utility locations
- Prepare utility conflict matrix and identify potential conflicts
- Coordinate utility adjustment plans
- Prepare and execute utility adjustment agreements
- Utility owners adjust facilities
- Prepare utility clearance certifications
- Reimburse utility owners for eligible adjustment costs
- Identify and document non-reimbursable utility cost

#### **Architectural**

- Schematic design
- Design development
- Construction documents
- Construction administration
- Construction management
- Site planning project specifications
- Project manuals
- Bidding coordination
- Parking planning and design
- Layout landscape architecture
- Master planning
- 3D computer visualization
- Streetscapes
- Lighting design
- Project team coordination
- Traffic coordination
- Utilities coordination
- Building information
- Modeling code review
- ADA compliance
- Interior design
- Sustainability and LEED services
- Cost estimating

#### **PS&E Development**

- 30% PS&E submittal
  - Preliminary title sheet
  - Preliminary index of sheets
  - Existing typical sections
  - Preliminary summary sheets
  - Preliminary survey control sheets
  - Preliminary sequence of work outline for traffic control
  - Preliminary plan and profile sheets
    - Plan view
    - Profile view



- Preliminary intersecting streets
- Preliminary drainage
- Preliminary culvert layouts
- Preliminary bridge and bridge class structures
- Preliminary environmental survey and studies
- Preliminary railroad crossings exhibits and documents
- Preliminary utilities survey and study
- Preliminary row survey and study
- 60% PS&E submittal (updated from 30% PS&E submittal)
  - Implement internal QA/QC and address 30% submittal comments
  - Preliminary title sheet
  - Preliminary index of sheets
  - Typical sections
    - Existing
    - Proposed
  - Preliminary summary sheets
  - Traffic control plan (TCP) narrative and layouts
  - Roadway plan and profile sheets
    - Plan view
    - Profile view
  - Intersecting streets
  - Preliminary miscellaneous roadway details
  - Roadway standards sheets
  - Drainage plan and profile sheets
    - Plan view
    - Profile view
  - Cross culvert layouts
  - Irrigation crossing layouts
  - Cross-drainage bridge and/or bridge class structures
  - Preliminary cross-street overpass bridge structures
  - Preliminary traffic signal and illumination layouts
  - Preliminary signing layouts
  - Preliminary pavement marking and delineation layouts
  - Environmental issues and control measures layout and narrative
  - Railroad crossings exhibits and documents
  - Update proposed roadway cross-sections
  - Update pay items cost estimates
  - Preliminary construction item determination schedule
  - Final utility exhibits and documents
  - Final ROW exhibits and documents
- 90% PS&E submittal (updated from 60% PS&E submittal)
  - Implement internal QA/QC and address 60% submittal comments
  - Updated title sheet
  - Updated index of sheets
  - Updated typical sections (existing/proposed)
  - Final summary sheets
  - Final traffic control plans narrative
  - Traffic control plans (construction phasing)
  - Roadway plan and profile sheets
  - Intersection street layouts
  - Miscellaneous roadway details
  - Roadway standards
  - Drainage plan and profile sheets

- Final cross culvert layouts
- Final traffic signals and illumination layouts
- Final signing layouts
- Final pavement markings and delineation layouts
- Final environmental issue and control measures layouts and narrative
- Final railroad crossing exhibits and documents
- Final roadway cross-sections
- Final construction time determination schedule
- Final ROW and utility exhibits and documents
- Final construction items cost estimate
- Final 1002 Form, 2229 Form, and 2088 Form
- Final general notes, specification data, and special provisions
- 100% PS&E submittal
  - Implement internal QA/QC and address internal/external comments from 90% PS&E submittal
  - Finalize PS&E for submittal
  - Submit all supporting documents and executed agreements (ex. railroad)
  - Submit all contract deliverables to the responsible person in charge at the City of Weslaco and TxDOT

#### **CONSOR's Bid and Award Support:**

The CONSOR Team is prepared to provide support in the prepared to provide to prepare:

- Front end documents
- Construction plans and specifications
- Engineers estimate
- Advertisement of bids
- Notice to bidders
- Addendums to bidders
- Acceptance of bids
- Bids tabulation
- Engineers recommendation
- Notice of award
- Construction administration
- Review of shop drawings
- Request for information
- Project closeout
- As-built plans

#### **Contract Management and Construction Oversight**

Different contracts can provide a variety of different tasks with deadlines ranging from days to weeks. Our staff are experts at setting aggressive deadlines and are accustomed to navigating through resolution reviews in the most efficient manner. We have organized a team with ample qualified claim resolution experience that is ready to be assigned to resolve disputes successfully. CONSOR is fully prepared to fast track deadlines if the need arises. Should events occur that necessitate additional personnel requirements, we are fortunate to have the flexibility to assign such personnel from our other offices.

**The Anticipated Scope of Work Outline:** Our experienced staff composed of full-time experienced professionals whose vast construction knowledge ensures projects to be delivered on time and budget and certifies that

all legal requirements and plan specifications are met. We create a Project Management Plan (PMP) based on City of Weslaco SOPs, plans, proposal, specs, budget, schedule and contract deliverables. The PMP includes Quality Planning, QA/QC, safety, records retention, communication, schedule review, material testing, escalation/resolution ladder, project risk assessment, project-specific aspects and clearly defines expectations, and roles & responsibilities for staff.

Our Project Manager (PM) will be responsible for providing direct oversight to the staff, which includes our subcontracted partners to manage the projects efficiently and effectively. We will coordinate the overall effort of addressing all unforeseen issues as they arise to ensure project progression. Our PM will ensure the staff understands their roles and works effectively and efficiently with contractors and City staff.

The Construction Engineer (CE) will work with the Engineer of Record (EOR) to answer questions and RFIs, coordinate with local entities, address errors, conflicts, and change orders (COs). CE will review and recommend approval of contractor submittals like pour sequences, shop drawings (SHOPS) and proposed plan changes and coordinates with City staff. CE tracks, routes, and logs RFIs, change orders, submittals and correspondence, prepares and reviews justification docs for COs, and documents engineering decisions. He holds weekly meetings with the contractor/City responsible person in charge (RPIC) and documents them to ensure project activities are executed as depicted on the project schedule and to evaluate the project progress.

Our Construction Superintendent (CS) is responsible for inspection oversight. He will perform a constructability review with our PM and monitor construction issues and escalate them to PM/City RPIC as needed. CS checks the project daily to ensure inspectors perform inspection duties, check the invoice, records, perform safety inspection, and check storm prevention measures. CS ensures lab testing/reporting remains current, schedules staff, talks to inspectors daily to keep abreast of project inspection, sampling, and testing needs.

**Schedule Project Controls:** Our proposed scheduling project controls manager will evaluate and ensure baseline (BL) schedules and monthly updates are following the stipulated contract time for completion. All project duration and critical path changes will be monitored and documented in Project Schedule Summary Reports that track all updates to original BL. Since BL schedules are used in TIAs, contractor claims, critical path impacts and progress monitoring. His will:

- Provide claim preparation and evaluations for multiple issues on various project impacts
- Perform schedule delay and impact analysis
- Provide the City Schedule preparation and updates on claim resolutions
- Conduct thorough Critical path method (CPM) analysis
- Perform loss of productivity assessments
- Execute impact analysis of change of scope of work
- Perform forensic cost analysis

- Performance trend and earned value assessments
- Risk mitigation and managing change
- Quantification of damages
- Provide expert detailed reports for City's review and input
- Provide claim mitigation and arbitration services

The Record Keeper (RK) will ensure the accuracy and completeness of all records and required submissions are received. RK checks the approved producer forms to ensure approved materials are used. RK ensures compliance with State/Fed requirements such as compliance w/ FHWA Form 1494, Buy Tx/America, FHWA reporting, Davis-Bacon labor rates, Code of Fed. Regulations, and USACE if required. To avoid contract administration issues, an audit is performed on all our projects at 90-day and 30, 60, and 90% to eliminate routine errors and to lead to real improvements in overall document quality. Also, we provide an electronic filing system (EFS) which is based on the TxDOT EDMS and stores the information in the cloud. Each team member will have access to the files for efficient editing, filing, and retrieval of project info. To prevent accidental file deletions or unauthorized edits, read-only access is granted as necessary. The cloud allows City staff to remotely audit project records, provides for efficient electronic project file organization, and promotes records retention and audit efficiencies. EFS subdirectories include but are not limited to change orders, contract documents, contractor certifications, equipment calibrations, correspondence, DBE reports, estimates, materials, schedules, invoices, safety, shop drawings, and subs. If issues are discovered, the PM performs a Root Cause Analysis to see why the mistake occurred and ensure that responsibilities and guidance are given to prevent a reoccurrence.

Inspectors are tasked to include labor standard review, CUFs, check material tags, batch tickets, concrete equipment and any other identifiable markings to ensure the contractor is using materials and equipment shown on the approved producers and equipment lists. These items are then provided to the RK for processing and filing. Inspectors will weekly monitor testing DEFs to assure DEFs are resolved promptly. Project deficiencies are escalated if they are not completed promptly. Our inspectors have an interactive approach with contractors/subs to discover and address obstacles. Our proactive approach in finding potential issues gives us more time to engineer the best solution. We ensure timely responses to the contractor and the City of Weslaco.

**Project Closeout:** In closing the project, we will ensure that the City's projects are constructed in compliance to contract plans and specifications, and executed change orders abide by federal regulations/procedures. A final internal audit will be conducted to verify the accuracy and completeness of all records before submitting documents for City's final review. A final punch list inspection will be performed in a joint effort with the City RPIC to confirm the contractor has completed all items of work. Our staff will monitor and verify that the punch list discrepancies have been addressed before issuing the substantial completion. A final as-built plan set will be provided to the City of Weslaco before the 30-day project completion, depicting final

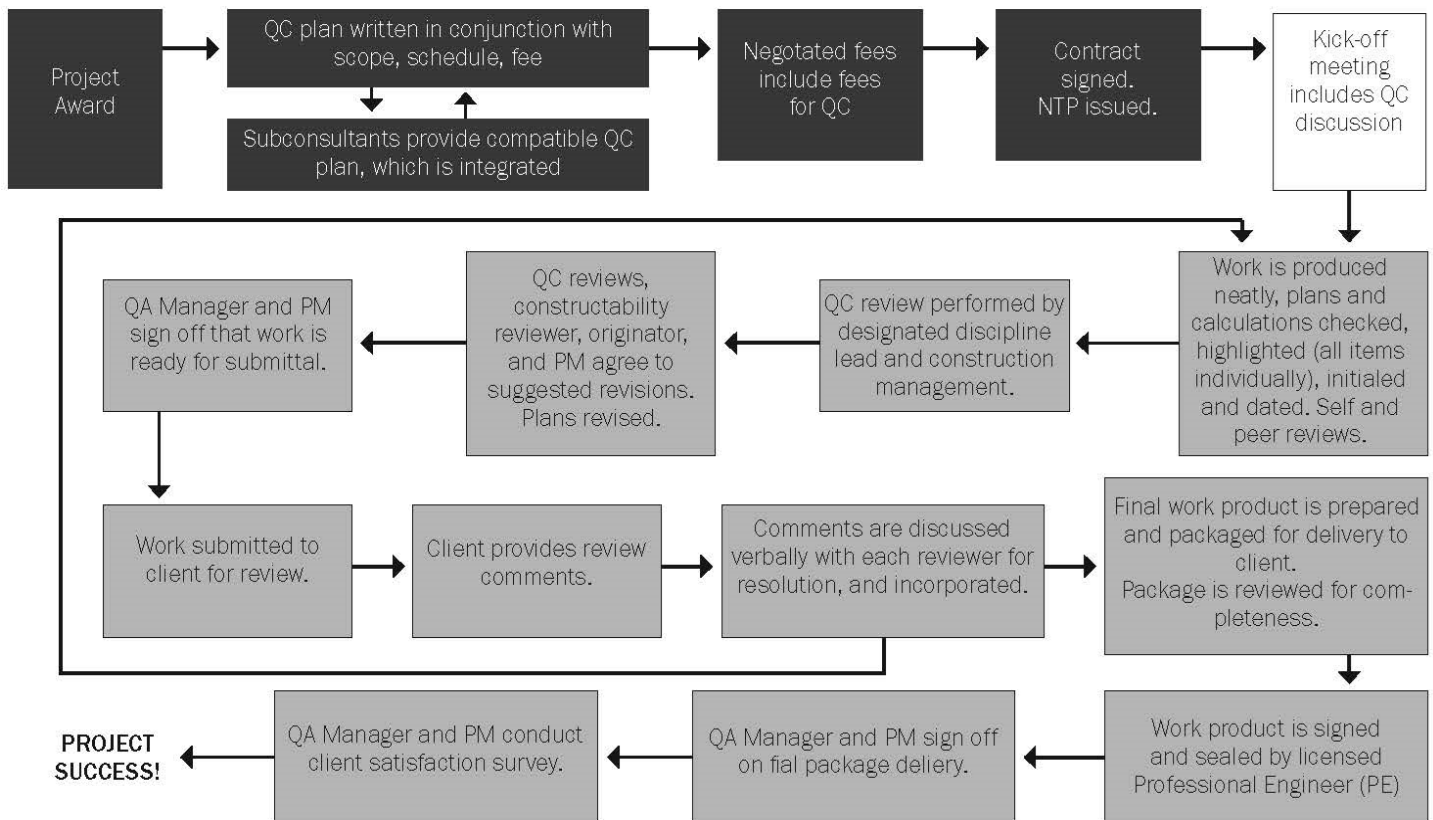
item quantities and revisions introduced into the contract by change orders.

The CONSOR team is prepared to provide the required specialized services:

- Geotechnical investigations
- Detailed surveying
- Site-specific testing
- Archeological studies
- Planning studies
- Feasibility studies
- Legal documentation for property and/or easements, for row acquisition
- Phase I and phase II environmental site assessments

**QUALITY CONTROL PROCEDURES:** We believe that providing a consistent quality product and process is an integral element in developing client confidence in our team. While delivering a quality product on time and within budget is the

result that all firms seek to achieve, our team believes that how you get to the goal is equally as important as achieving the goal itself. We want to provide an impeccable process that is effortless for the City of Weslaco. The chart below depicts our overall project review and quality process from project award to project closeout. CONSOR utilizes an industry-leading quality process that involves every member of the project team. Quality Control (QC) begins at the technician level, and eventually, ends with our PM who is ultimately responsible for the quality of the project. Our QA Manager will verify that the project team is sufficiently staffed with qualified and trained individuals. Our QC/QA Manager, Ahmed Abd-El-Meguid, Ph.D., PE will ensure that the QC process is performed, as outlined in our plan, and he will perform random audits on the project to verify compliance with the plan. He will discuss all findings with the PM, who will then make immediate corrections, if required, as a result of the findings.

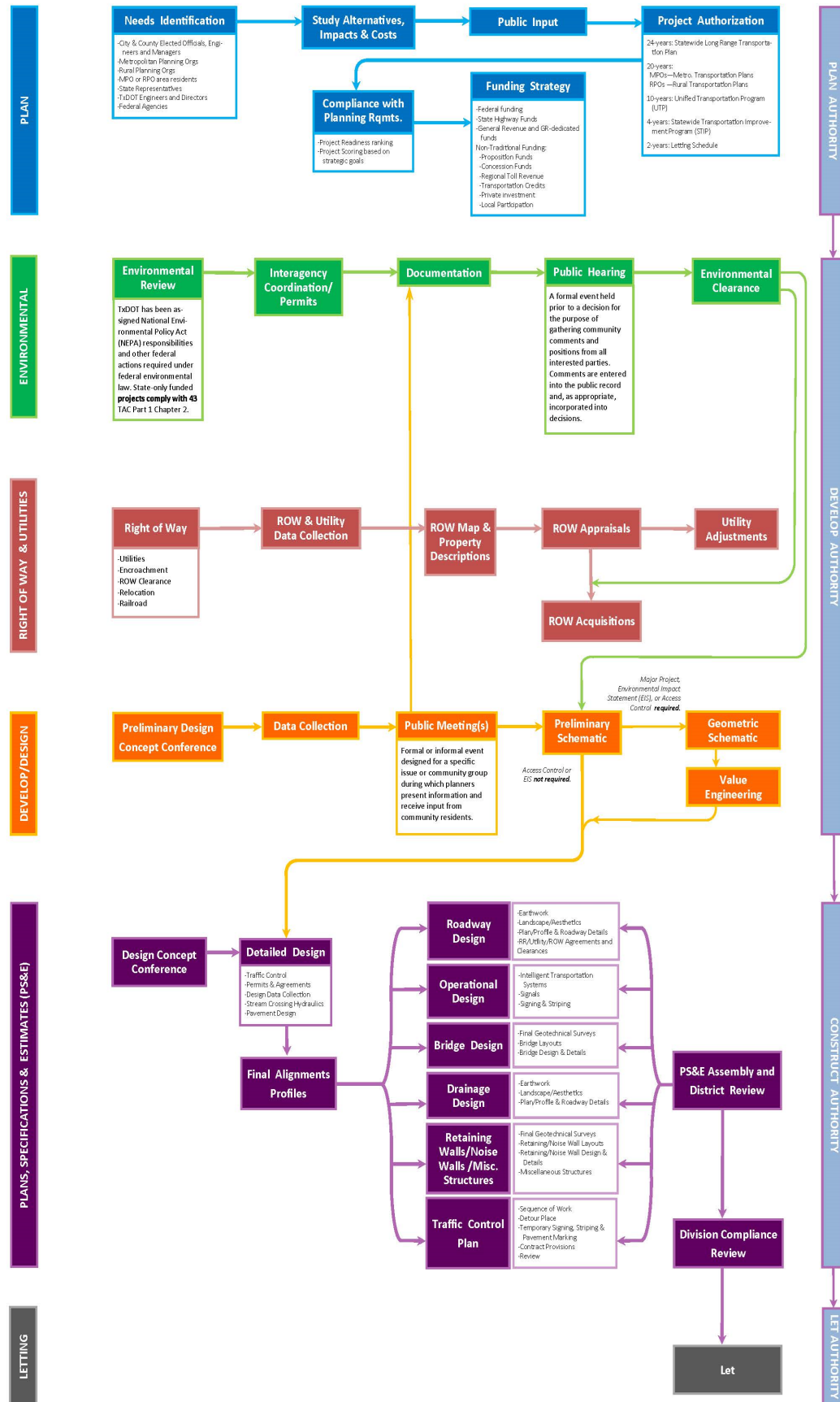


For every project, the designated QA Manager will evaluate the scope of the project and assign quality team members to perform QC reviews. All reviews are performed by a team member with similar or more experience than the senior engineer preparing the original documents. The reviewer must be proficient in the discipline for which the review is required (e.g., a structural engineer will review structural plans, a drainage engineer will review drainage plans, etc.). The reviewer will also be a person who is not involved with the original design process to provide a truly independent review of the project design. Our goal is to work as an extension of the City and deliver a project that is bid ready in all aspects including complete, accurate, and consistent deliverables following the City of Weslaco guidelines

while considering safety and constructability. CONSOR, an ISO 9001:2015 certified firm, understands that experienced and knowledgeable task leaders are key to a quality project. The assembled project team has proven that they take pride in their work and are dedicated to meeting project schedules. All key personnel designated, herein, have worked with each other on previous projects. The projects are checked both from an engineering and constructability standpoint. Our QA/QC procedures assure that the plans, specifications, and estimate (PS&E) package is complete, accurate, constructible, and consistent while meeting client expectations. Our QA/QC starts at the inception of the project and continues through every milestone to project completion.

## Project Development Process

This flowchart shows the project development process for major reconstruction projects or new facilities. The development process can vary from 3 to 20 years or more, depending on required environmental tasks and ROW impacts. Project development for resurfacing, restoration, or rehabilitation construction projects have more limited resources and scope; therefore, they will have reduced environmental and right of way processes to complete and a subsequent abbreviated project development process.





# **Tab 3: Experience and Qualifications**

## EXPERIENCE AND QUALIFICATIONS.

### Experience with Public Works Projects including Disaster Recovery

As Director of Public Works for the City of Pharr from September 2017 to November 2019, Mr. Pedraza managed more than 60 employees in six departments; revamped the Public Works Department; and provided in-house engineering design using City and TxDOT standards, policy, and procedures. During this time, the City of Pharr Public Works Department provided construction management and construction services on City projects with cost savings to the City. As Director, Mr. Pedraza led the Public Works Department through two major flooding events where the Department's innovation, teamwork, and die-hard attitude persevered during the flooding disaster to mitigate the effects of the storm in the community.

**Storm Event Sand Bag Distribution Plan, City of Pharr:** Created a sand distribution plan that divided the City into four distribution zones and provided drop off for individuals with disabilities not able to pick up at distribution zones.

**Flood Mitigation Street Closure Operations Plan, City of Pharr:** Created an organized sequential street closure plan that coincided with flooding patterns as storm event progressed which could be implemented at a moment's notice. This was possible by having sufficient barricades mounted on trailers and ready to be deployed by the traffic safety and signals department at key locations.

**Post-Flood Debris Management Operations Plan, City of Pharr:** Managed a fleet of ROW maintenance trailers and tractors who focused on debris removal after flooding events. The City was divided into 12 zones and teams were dispatched accordingly to flood-affected areas.

**Post-Flood Vector (Mosquito) Management Plan, City of Pharr:** Managed a fleet of foggers to treat the entire City overnight and rotated the use of two insecticides to keep mosquitos from becoming tolerant to the insecticide.

**Flood Mitigation Pumping Operations Plan, City of Pharr:** Analyzed City of Pharr land topography and found key points to set up pump operations to alleviate floodwater impacts on residents after June 2018 flooding event.

**PD Recycling Center and TrueGrid Permeable Pavers Parking Lot, City of Pharr:** Designed and managed the construction of 22,000 SF of TrueGrid permeable paver parking lot using reclaimed street materials and Public Works construction staff.

**Veterans Rd – Military Rd to Hi-Line Rd Reconstruction, City of Pharr:** Designed and managed the construction of 0.5 miles long roadway by 26-ft. wide of full-depth pavement reconstruction utilizing value engineering elements like geogrid, lime stabilization of the subgrade, and optimized pavement design using Public Works construction staff.

**Pharr Sports Complex and Witten Park Lighting Replacement, City of Pharr:** Managed the construction of the Pharr Sports Complex Park which consisted of 17 – 70-ft. poles and light fixtures and Witten Park which consisted of 10 – 50-ft. poles and light fixtures that were replaced and configured to meet league lighting standards using Public Works traffic safety and signals staff to perform construction.

**S. Linden St. (Iglesia de Poder) Cul-de-sac Project, City of Pharr:** Designed and constructed an asphalt paved cul-de-sac with curb and gutter and landscaping that belonged to the City of Pharr ROW using the City of Pharr Public Works construction staff.

**Bridge Phase II – Sugar Rd and Zaragosa Rd, City of Pharr:** Managed and constructed public-private partnership (3P) project in the City of Pharr which consisted of Sugar Rd – 850-ft. long by 44-ft. wide concrete pavement with monolithic curb and gutter, storm sewer lines and inlets, and driveway arch pipe culverts. Zaragosa Rd – 1330 ft long by 44 ft wide concrete pavement with monolithic curb, 112 ft – 5 ft by 5 ft box culverts, and storm sewer lines and inlets.

**St. Jude – Tru-Grid Permeable Pavers Parking Lot, City of Pharr:** Managed and constructed public-private partnership (3P) project in the City of Pharr which consisted 150,000 SF grass seeded TrueGrid permeable paver parking lot capable of providing runoff storage and mitigating flooding to the area using low impact development (LID) principles.

### Experience with TxDOT Projects

#### **FM 907 (Alamo Road) (CSJ: 1586-01-069) - Limits from Nolana Loop to IH 2 (2.75 Miles), Hidalgo County:**

Mr. Javier Martinez, Jr., PE, CFM was the Project Manager responsible for the design and preparation of the schematic, plans, estimates, and specifications of FM 907 (\$10.4M) project for the reconstruction of a two-lane rural roadway to a five-lane curb and gutter (65-ft. face-to-face) within 80-ft. to 100-ft. of ROW consisting of roadway widening, storm drain design, special drainage structure design, irrigation crossings, pedestrian elements, traffic signal improvements, sound walls, and extensive coordination with the City of Alamo, Hidalgo County Drainage District No. 1 (HCDD No. 1), Hidalgo County Irrigation District No. 2 (HCID2), Post Master, and the TxDOT Utility Coordinator. FM 907 was an existing 40-ft. wide rural roadway consisting of two 12-ft. wide travel lanes and 8-ft. wide shoulders within an existing 80-ft. to 100-ft. ROW with roadside ditches. FM 907 was reconstructed and widened to a 65-ft. face-to-face curb and gutter roadway



consisting of two 14-ft. wide shared-use lanes, two 11-ft. wide travel lanes, a 12-ft. wide continuous left-turn lane, and 5-ft. sidewalks on both sides within the existing 80-ft. to 100-ft. wide ROW with no shoulders. However, the project would require a total of 0.35 acres (21 parcels) of additional ROW in corner clips for desirable intersection radii improvements. The project did not consist of any residential or commercial relocations due to ROW acquisitions. FM 907 also consisted of introducing two new, and three upgraded, traffic signals along FM 907. Mr. Martinez also presented project information in a public hearing for environmental clearance and served as the testifying engineer/expert witness for ROW acquisition in the Eminent Domain Hearings.

**FM 2444 Widening Project (CSJ: 2243-01-026) - Limits: SH286 to Oso Parkway, Nueces County, TxDOT Corpus Christi:** Mr. Ricardo Pedraza, MS, PE was the Project Manager in charge of preparing PS&E plans for four miles of road widening consisting of grading, base, asphalt paving, pavement marking, and causeway structure in Corpus Christi, Texas. He oversaw the various disciplines and was tasked with a geometric design, cross-section production, earthwork calculation, and roadway quantities.

**FM 3386 McKenzie Road Widening Project (CSJ: 3364-01-010) - Limits: 3 Miles S. of IH 37 to Haven Drive, Nueces County, TxDOT Corpus Christi District:** Mr. Ricardo Pedraza, MS, PE helped prepared PS&E plans for a 1.3-miles of road widening project which converts an existing two-lane roadway into a four-lane roadway. He worked on the design and production of traffic control plans, general sheets, estimate, and the timeline for the PS&E package. US 83 La Joya/Penitas Relief Route (CSJ: 0039-02-040, etc.) – Project limits spanned 0.85 miles east of FM 886 (El Faro Road) to 0.28 miles west of Showers Road (9.159 miles) and consisted of a four-lane controlled access facility. This project involved frontage roads only.

**US 83 at Arroyo Quiote (CSJ: 0038-07-067):** Involved a bridge class culvert widening at US 83 Arroyo Quiote.

**Mercedes Drain (CSJ: 0039-06-041):** Project limits spanned IH 2 to IBWC Floodway (8.0 miles) and involved widening HCDD No.1 Drainage Ditch.

**IH 69E (CSJ: 0039-08-100, etc.):** Project limits spanned 0.35 miles north of Old Alice/Stillman Road to 0.40 miles south of Merryman Road (0.46 miles). The project involved the construction of northbound and southbound frontage road overpasses and a pedestrian (hike & bike) bridge over the Union Pacific Railroad (UPRR).

**SH 186 (CSJ: 0433-02-052):** Project limits spanned Hidalgo/Willacy County Line to Kings Street (12.30 miles) and involved the rehabilitation of the existing roadway to accommodate passing lanes (Super 2).

**SH 48 (CSJ: 0220-05-075):** Project limits spanned from IH 69-E to SH 48 (Boca Chica Boulevard) (1.50 miles) and consisted of a raised median.

**US 83 La Joya/Penitas Relief Route – Phase II (CSJ: 0039-02-063):** Project limits spanned FM 2221 (Jara Chinas Road) to 0.28 miles west of Showers Road (5.612 miles) and involved a controlled-access expressway facility consisting of overpasses, bridges, connectors, retaining wall, storm drain system, roadway, ramps, landscaping, traffic signals, and pedestrian elements.

**US 83 La Joya/Penitas Relief Route – Phase III (CSJ: 0039-02-040):** Project limits spanned BU 83 to FM 2221 – Jara Chinas Road (3.0 miles) and involved a controlled-access expressway facility consisting of bridges, connectors, retaining wall, storm drain system, roadway, and ramps for main lanes only.

### **Experience with TxDOT-Federally Funded, Local Let Projects**

**Downtown Trainway Rehabilitation, City of El Paso:** CONSOR provided construction phase services for the rehabilitation of the Kansas and Santa Fe bridges. The firm also inspected and developed construction plans, specifications, and estimates for the rehabilitation of seven bridges: Campbell, Kansas, Stanton, Mesa, Oregon, El Paso, Santa Fe. The seven locations are within the downtown region of the City of El Paso and all have UPRR rail-lines under the respective bridges. Tasks included inspection, repair, and rehabilitation of all beam structures and all structural bridge supports. CONSOR also replaced the approach roadways at Campbell, Kansas, Stanton, Oregon, El Paso, and Santa Fe. Coordination was required with TxDOT to ensure two out of the seven bridges received Category 6 Funding, allowing the construction costs for these two structures to be covered with this funding.

**Federally Funded On-Call Intersection Safety Improvement Project City Re-Build Package #4, City of Houston:** CONSOR completed five out of 14 intersection signal designs that received federal funding at the 90% plan completion and had to be completed in less than a month. Plans had to be updated from City to TxDOT specifications and standards. TxDOT took oversight of the project from the City at the 90% stage. CONSOR worked with TxDOT Houston District and another consultant to prepare a TxDOT bid ready plan set. CONSOR coordinated with the City to accommodate their design preferences with TxDOT bid items. Plan sheets had to be revised from City full size to a TxDOT half-size set. 1814 Forms were submitted to TxDOT to get approval for new specifications for items not covered by TxDOT. All necessary TxDOT paperwork for letting was completed.

**Federally Funded Intersection Improvements and Signal Design, City of Missouri City:** CONSOR managed four intersection improvement projects in the City of Missouri City. The scope included geometric roadway improvements at the intersections, signal modifications, and utility investigation and relocation, survey, ownership research, property determination, ROW mapping, and environmental documentation. Intersections included Lexington Blvd. at FM 1092, Cartwright Blvd. at FM 1092, Glenn Lakes Lane at SH 6, and SH 6 at FM 1092. This project was on a fast-tracked schedule due to federal funding. Plans were completed

using TxDOT standards and specifications for TxDOT letting. CONSOR coordinated all reviews with TxDOT and Missouri City to ensure City preferences were met utilizing TxDOT specs. All documentation including General Notes and associated TxDOT forms were completed for letting. Ownership: Missouri City wanted decorative poles at these signal locations. Per the funding agreement, TxDOT could not provide it. Instead of settling for the standard steel signal poles, CONSOR worked with TxDOT and Missouri City to work out a compromise – black powder coated poles with an octagonal shaft that was on TxDOT's pre-approved products list.

**Access Management Improvements on Texas Parkway (FM 2234) from US 90A to Cartwright Road, City of Missouri City/TxDOT Houston District:** CONSOR's contract was with the City but TxDOT let the project. The scope included replacing the existing continuous left-turn lane with a raised median. CONSOR's team reviewed locations to provide openings and designated left-turn movements; conducted coordination meetings with TxDOT to discuss design criteria and to obtain approval on the typical section; and reviewed traffic data and overall plan street pattern of adjacent neighborhoods to suggest locations to provide opening and designated left-turn movements.

**Federally Funded City of Stafford 5th at Present Intersection Improvements, City of Stafford:** As part of an On-Call Traffic Engineering contract with the City of Stafford, CONSOR managed the design of the intersection and signal improvements. Plans were completed to TxDOT specifications. All TxDOT paperwork necessary for bidding was completed including PS&E Transmittal Data (Form 1002), Significant Project Procedures (Form 2229), Contract Time Determination, and Construction Cost Estimate.

CONSOR has proven performance on recent roadway improvement projects requiring environmental and federal coordination and in the management of infrastructure projects for public entities. These relationships have proved invaluable in project coordination. We have completed seven shared funding (federal and local) projects in the last five years. Our experience with these projects and entities includes (all projects below followed federal requirements):

| Project                                              | Client                 | Federal Funds | TxDOT Let |
|------------------------------------------------------|------------------------|---------------|-----------|
| FM 2218 Reconstruction                               | TxDOT Houston District | ✓             | ✓         |
| FM 1764                                              | TxDOT Houston District | ✓             | ✓         |
| City of Houston Intersection Improvements Rebuild #4 | City of Houston        | ✓             | ✓         |
| City of Missouri City Intersection Improvements      | City of Missouri City  | ✓             | ✓         |
| City of Missouri City Median Improvements            | City of Missouri City  | ✓             |           |
| TIGER #5, TIGER #6                                   | City of Houston        | ✓             |           |
| Mason Park Bridge and Trail                          | Houston Parks Board    | ✓             | ✓         |
| Bikeway Program under US 59 along Buffalo Bayou      | TxDOT Houston District | ✓             | ✓         |
| IH 610/IH 69 Reconstruction                          | TxDOT Houston District |               | ✓         |

**Leopard Street - Limits: Crosstown Freeway to Palm Drive City of Corpus Christi (Nueces County):** Mr. Ricardo Pedraza, MS, PE prepared PS&E plans for the Leopard Street improvement project which included a full-depth reconstruction of the existing four-lane arterial street including center medians, new pavement, driveways, sidewalks, ADA ramps, and crossings, curb and gutter, bus stop rehabilitation, and improved underground drainage system. Utility improvements include the installation of a new wastewater system and designing around an existing communication duct bank.

**Airline Road Improvements - Limits: Saratoga Boulevard to Rodd Field Road, City of Corpus Christi (Nueces County):** Mr. Ricardo Pedraza, MS, PE worked on the design of alignments, plan view and profiles for airline road improvements and prepared PS&E plans for the Airline Road improvement project, which consisted of upgrading the existing two-lane rural road without shoulders to a five-lane urban road with curb, gutter, and sidewalks. This included utility upgrades and repairs (water, wastewater, gas) and significant stormwater improvements, as well as traffic signalization and area lighting improvements.

**Randol Mill Road Improvements - Limits: Watson Road (SH 360) to 113th Street, City of Arlington (Tarrant County):** Mr. Ricardo Pedraza, MS, PE prepared PS&E plans to widen Randol Mill Road between Watson Road (SH 360) to 113th Street from an existing four-lane roadway to a six-lane divided section. The project involved widening over 6,000 LF of roadway through an industrial area, improving eight at-grade railroad crossings, and replacing existing storm sewer inlets and laterals to increase capacity. Coordination with TxDOT and Union Pacific Railroad (UPRR) was required throughout design and construction.

**Chaparral Street Phase II from Schatzell Street to Taylor Street, City of Corpus Christi (Nueces County):** Mr. Ricardo Pedraza, MS, PE was the Project Manager in charge of this full-depth reconstruction of three city blocks including utilities along Chaparral Street, mill and overlay of areas between Coopers Alley to IH 37, striping of corridor and side streets to optimize parking in downtown Corpus Christi, turning Chaparral Street to a two-way street and intersection design to accommodate two-way truck turning movements. Rick's responsibilities involved roadway design and project management of a four-person team consisting of



a PE, EIT, and a technician. SUE and utility coordination was conducted to mitigate issues during construction. The utilities and corridor surfaces were modeled using AutoCAD Civil 3D to test clash detection with existing infrastructure. This project was designed in coordination with the City of Corpus Christi Engineering Department, the Downtown Management Business District stakeholder input, and the City of Corpus Christi design standards.

**Ability to Provide Services on Time:** Different contracts can provide for a variety of different tasks with project schedules ranging from weeks to months. We are experts at setting aggressive schedules and are accustomed to navigating through the process in the most efficient manner. We have organized a team with ample qualified engineering experience that is ready to be assigned to each project, per the schedule requirements, to reach successful completion. Because projects can be dynamic, CONSOR is fully prepared to fast-track schedules if the need arises. Should events occur that necessitate additional personnel requirements, we are fortunate to have the flexibility to assign such personnel from our other offices, located nationwide. Ricardo Pedraza, PE - Project Manager (PM) will be responsible for assuring that projects are completed on schedule. He will be fully accountable to the City for the schedule, quality, and budget. However, the entire team has a responsibility to each other and the City for these items. To track the project and control the schedule, the PM will utilize several different processes that intertwine into a total project management package.

We use MS Project or Primavera scheduling software as a tool to help manage the project. The schedule is a tool to help “control” the project’s direction and can be used to measure progress, determine resource allocations, determine project impacts, evaluate budget, and set critical items, etc. We also link Primavera or MS Project to our Deltek Vision project planning module for resource loadings. We can accurately track the project, determine resource availability, and run “what-if” scenarios on project schedules and resources. The information from Vision can be reported in a summarized report with information from the risk analysis and cost estimation efforts and can be delivered to the City’s PM at any time to give real-time progress reports. Our PM will conduct regular scheduled/task milestone meetings with the City to stay apprised of the progress and any issues relating to the project. The project manager can provide “look ahead” at these meetings for set intervals (e.g., two weeks, three months, etc.) so that the City, and the CONSOR team, know exactly what to expect in the coming time frame.

**Ability to Provide Services Within Budget:** In this age of budget constraints, it is imperative to integrate cost control procedures into the design process. We place a high priority on the necessity for effective project cost control beginning at the receipt of the awarded contract. Cost control occurs on two fronts—control of scope creep during the design and the overall cost of construction. To control scope creep, we will work closely with the City to accurately define the scope and to determine the required product, the required effort, and the required expertise.

We have candid conversations with the City’s staff and develop a plan to work with all constraints and requirements. We also employ a complex cost estimating regimen during each project, which will consist of providing estimates at every major work product submittal and after any major decision that affects the work product. It also assists with budgeting (CIP development cycles). We consistently value engineer projects to ensure the product delivered is the best value for the City.

### Examples of Projects Completed On Time

- Chaparral Street Phase 2 – Limits: Coopers Alley to IH 37, City of Corpus Christi (Nueces County): Mr. Ricardo Pedraza, MS, PE was the Project Manager/Engineer of Record for roadway design and project management. This project had an accelerated design schedule of only SIX months due to the project having to be constructed within two years to meet the Texas Downtown Distinction Ceremony. The project consisted of the full-depth reconstruction of three city blocks including utilities along Chaparral Street, mill and overlay of areas between Coopers Alley to IH 37, striping of corridor and side streets to optimize parking in downtown Corpus Christi, turning Chaparral St. to a two-way street and intersection design to accommodate two-way truck turn movements. SUE and utility coordination was conducted to mitigate issues during construction. The utilities and corridor surfaces were modeled using AutoCAD Civil 3D to test clash detection with existing infrastructure. This project was designed in

### Example Project

#### **FM 2218: From US 59 to FM 1640 in Fort Bend County, Texas**

CONSOR led the design for FM 2218 for 2.3 miles from US 59 to FM 1640 in Fort Bend County for the TxDOT Houston District. This widening project included an at-grade railroad crossing. Also included 0.7 miles of FM 1640 from west of FM 2218 to FM 762. CONSOR managed the reconstruction of existing four-lane rural section on FM 2218 to a four-lane divided curb and gutter section with sidewalks and on FM 1640 from a four-lane rural section to a six-lane divided curb and gutter section with sidewalks. The project abutted a high school, a junior college, US post office, a cemetery, and numerous businesses and subdivisions. Design included roadway, grading, signals, drainage study, outfall channel/joint use ditch and detention pond. Scour analysis performed for bridge widening at Dry Creek. Also designed more than five miles of sidewalk and ADA compliant ramps at 11 intersections. TxDOT accelerated the schedule from 15 months to 7 months due to available funding. CONSOR met the compressed schedule, and the project was let on time.



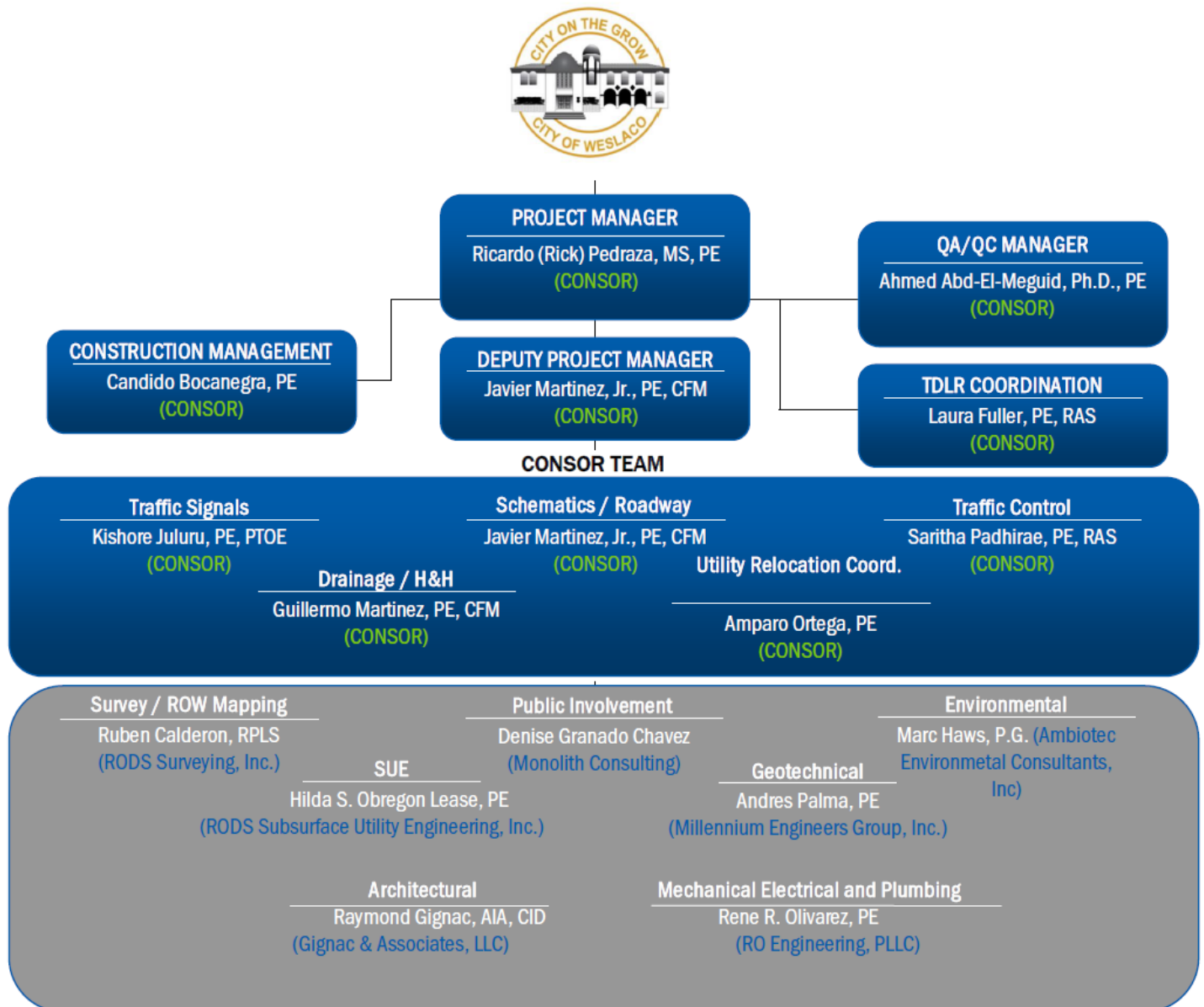
coordination with the City's Engineering Department, the Downtown Management Business District stakeholder input, and the City of Corpus Christi design standards.

- SH 186 (CSJ 0433-02-052) was a 12.3-mile, Super 2 project consisting of passing lanes. The PS&E design for SH 186 was fully executed within a FIVE-month time frame as a result of TxDOT's aggressive letting deadline.
- US 83 La Joya/Penitas Relief Route Phase II (CSJ 0039-02-063) was a controlled-access expressway facility that was completed six months ahead of time with a total of eight months for preparation of plans, specifications, and estimates (PS&E).

### Examples of Projects Completed Within Budget

- US 83 La Joya/Penitas Relief Route Phase II (CSJ 0039-02-063) was a controlled-access expressway facility with an estimated \$125M with a \$103.5M estimated at letting and awarded the contract at \$96M for construction.
- FM 907 (Alamo Road) was originally estimated at a \$12.5M project and had a project let estimate of \$10.8M with a contract awarded at \$10.4M for construction.

### Organizational Chart



### **Project Manager's Past Experience Serving as Project Manager**

Mr. Ricardo (Rick) Pedraza, MS, PE will lead the CONSOR team as the Project Manager. He has more than 18 years of experience in civil engineering and two years in the public works sector. His engineering experience involves municipal, transportation, bridge, coastal, design-build, environmental, ports and harbors, surveying, water, and procurement type projects. He previously served as the Director of Public Works in the City of Pharr where he oversaw the management of a \$5M budget spanning six different departments – Streets, ROW, Environmental Services, Animal Control, Fleet Services, and Traffic Signals and Safety. He was responsible for managing the construction of more than \$4M in capital improvement projects in-house, saving the City more than \$2M in construction costs. He negotiated contracts for Public Works City services, saving more than \$200k and lowering the previous budget (\$5M to \$4.75M). Rick has significant experience serving in this role, or a comparable lead role, for projects that include:

- FM 2244 Widening Project (TxDOT Corpus Christ District) – Project Manager for four miles of widening involving grading, base, asphalt paving, pavement marking, and structures. Rick provided geometric design, cross-section production, earthwork calculations, and roadway quantities.
- US 181 Super 2 Widening Project in Karnes/Bee Counties (TxDOT Corpus Christi District) – Project Manager for 17.059 miles of Super 2 roadway widening involving grading, base, asphalt paving, pavement markings, and structures. Rick provided geometric design, cross-section production, earthwork calculations, and roadway quantities.
- FM 3386 McKenzie Road Widening Project (TxDOT Corpus Christi District) – Design Lead for a 1.3-mile road widening that converted an existing two-lane roadway into a four-lane involving design/production of TCPs, general sheets, estimates, and the timeline for the PS&E package.

### **Expertise in Roadway Design, Drainage/H&H, and Traffic Control**

CONSOR's project personnel proposed for this roadway project were chosen due to their expertise in roadway design, drainage/H&H, and traffic control. Some of our professionals are cross-trained in various disciplines and have the experience and knowledge to provide multiples services, should it be necessary to maintain the project's momentum.

CONSOR approaches each project as an extension of our client's staff and applies practical, realistic solutions to all engineering challenges. Our team has significant experience and hands-on knowledge of roadway design, drainage and H&H, and traffic control services.

**Roadway Services:** CONSOR performs basic and specialized planning and recommended studies needed to design and license all transportation facilities following State and Federal standards and requirements. Our roadway improvement qualifications include widening existing roadways; asphalt and concrete pavements; curb and gutter; sidewalks and driveways; complete street design and reconstruction; access management; traffic circulation; drainage improvements; ROW impacts; public information plans; utility coordination; safety and capacity improvements; traffic control plans (TCPs); and the preparation of cost estimates, construction duration estimates, specifications, and special provisions.

**Drainage and H&H:** For roadside and basin-wide drainage collection, stormwater management designs are prepared following the client and the appropriate water management district criteria. These designs will utilize USGS Quadrangle maps, contour maps, and aerial photography in delineating drainage basins and contributing areas. Coordination meetings with the permitting agencies will be held to determine permitting requirements. We understand that in areas where localized flooding occurs or areas where sediment load reduction into the receiving water body is required, special drainage structures are evaluated, designed, and permitted.

**Traffic Control:** CONSOR has extensive experience in traffic control including traffic studies, traffic impact analysis, corridor feasibility studies, signal warrant studies, safety studies, and feasibility studies for alternative intersections and interchanges. Coordination with local utility companies is necessary to avoid utility conflicts in the field when designing illumination plans, signal layouts, expansion of computerized signal systems, and ITS infrastructure. CONSOR has more than two decades of experience in the design of traffic signals, TCPs, signing and pavement markings, and intersection improvements. Our knowledge includes but is not limited to:

- Temporary traffic signals including portable traffic signals
- Maintaining pedestrian access during construction (use of existing, permanent, and temporary equipment; temporary pedestrian ramps)
- Various vehicular signal detection (including VIVDS, Loop Detection, GridSmart Cameras, Presence, and Advance Radar)
- Audible pedestrian signals
- ITS/Interconnect between traffic signals (hard wired and wireless)
- Design criteria related to stopping bar/ crosswalk placement at traffic signals
- Sign detailing using GuideSign
- Pedestrian accessibility signage and pavement markings
- School zone signage and pavement markings
- Innovative intersection design (including Diverging Diamond Interchanges, Displaced Left Turns, Roundabouts, etc.)
- HAWK signals
- Bus Rapid Transit – signals and signing and pavement markings

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| <b>Project Personnel</b> | <b>Ricardo (Rick) Pedraza, MS, PE – Project Manager</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>License</b>           | Professional Engineer – TX, #113193                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |
| <b>Education</b>         | MS in Civil Engineering, Texas A&M University at Kingsville, 2013<br>BS in Civil Engineering, Texas A&M University at Kingsville, 2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |
| <b>Experience</b>        | <p>Mr. Pedraza has more than 18 years of experience in civil engineering and two years in public works. His engineering experience involves transportation, bridge, coastal, design-build, environmental, municipal, ports and harbors, surveying, water, and procurement type projects. Serving as Director of Public Works for the City of Pharr, his public works experience consisted of overseeing the management of a \$5M budget spanning six different departments – streets, ROW, environmental services, animal control, fleet services, and traffic signals and safety. He was also responsible for managing the construction of more than \$4M in capital improvement projects in-house, saving the City of Pharr more than \$2M in construction costs. He negotiated contracts for Public Works City services, saving more than \$200k and lowering the previous budget (\$5M to \$4.75M).</p> <p>His extensive knowledge and hands-on experience includes:</p> <ul style="list-style-type: none"> <li>• Public Works management/municipal construction and maintenance services</li> <li>• Transportation (schematic and PS&amp;E design of rural/urban freeways; horizontal/vertical alignments; illumination; drainage; retaining walls; cross-sections; signing and striping; traffic control; construction inspection ROW acquisition; permitting; public outreach; and SW3P)</li> <li>• Bridge (production of bridge plans)</li> <li>• Coastal (revetment modeling, site design, earthwork)</li> <li>• Design-Build (design, plan production of plans, construction inspection, construction management)</li> <li>• Environmental (State/Federal permitting forms and exhibits)</li> <li>• Municipal (commercial/residential land development, planning, roadway, drainage, storm water, water, gas, wastewater, lift stations, landfill, ROW, environmental, construction inspection, public outreach)</li> <li>• Education (site development, parking, foundation analysis, value engineering, low impact drainage design)</li> <li>• Ports and Harbors (dock inspection, sheet pile walls, dredging, channel improvements)</li> <li>• Surveying (as-built, control, land boundary, ROW, topographic, construction stake-out)</li> <li>• ROW (acquisition management, plan production of survey plats and documents)</li> <li>• Storm, Water and Wastewater (channel, culverts, lift stations, systems).</li> </ul> |                                                                                     |

Project experience includes:

- FM 3386 McKenzie Road Widening Project, TxDOT Corpus Christi District – Design Lead. This project was a 1.3-mile road widening project, which converted an existing two-lane roadway into a four-lane roadway. Mr. Pedraza worked on the design and production of TCPs, general sheets, estimate, and timeline for the PS&E package
- FM 2244 Widening, TxDOT Corpus Christi District – Project Manager. This project involved four miles of widening consisting of grading, base, asphalt paving, pavement marking, and structures in Corpus Christi. As Project Manager, he was tasked with a geometric design, cross-section production, earthwork calculation, and roadway quantities.
- US 181 Super 2 Widening Project in Karnes/Bee Counties, TxDOT Corpus Christi District – Project Manager. This project involved 17.059 miles of Super 2 roadway widening consisting of grading, base, asphalt paving, pavement markings, and structures in Karnes and Bee Counties. As Project Manager, he was tasked with a geometric design, cross-section production, earthwork calculation, and roadway quantities.
- Randol Mill Road Improvements, City of Arlington – Roadway Designer. Rick prepared PS&E to widen Randol Mill Road between Watson Road (SH 360) to 113th Street from an existing four-lane roadway to a six-lane divided section. The project involved widening over 6,000 LF of roadway through an industrial area; improving eight at-grade railroad crossings, and replacing existing storm sewer inlets and laterals to increase capacity. Coordination with TxDOT and UPRR was required throughout design and construction.
- LP 20 (CSJ: 0000-14-040), Webb County, TxDOT Laredo District – Project Engineer. Rick developed traffic control plans (TCPs) and PS&E for the improvements of LP 20 between the bridge overpasses at US 59 and Kansas City Southern Railroad (KCSRR). The project improvements consisted of the construction of an overpass at Spur 400 (Clark Boulevard) to carry the LP 20 mainlanes over Spur 400.
- SH 45/Parmer Lane, TxDOT Fort Worth District – Roadway Designer. Rick provided CAD and design support for the production of PS&E required for the Collector- Distributor (CD) system on SH 45 approximately between stations 227+00 and 295+00. This CD system allows the traveling public to by-pass the traffic signals at Parmer Lane.
- IH 35 Temple Work Authorization #6: South LP 363 to North LP 363, TxDOT Waco District – Design Lead. Rick was part of a two-man team in charge of producing schematics in which he was directly tasked with horizontal alignment, vertical profile, curve data and tables, superelevation calculations and tables, rail and traffic clearances, driveways, property owner verification, and existing and proposed typical sections. He designed cross streets, direct connectors, entrance/exit ramps, mainlanes, and frontage road horizontal alignments and vertical profiles. He also produced all schematic sheets for the project.



- US 75 4R Reconstruction PS&E from Spur 399 to South of US 380, TxDOT Dallas District – Design Lead. Rick designed the reconstruction of 3.3 miles of four-lane, an urban freeway with frontage roads to eight mainlanes with new frontage roads and new ramps. The project included three diamond interchanges and required retaining walls, bridges, drainage, TCPs, signing and marking, illumination, and traffic signals. He worked on the design and production of retaining wall layouts. He used spread footing and drill shaft walls so walls were designed using TxDOT cad standards. He also produced signing removal plans, conducted a field visit with a Trimble GPS unit, and captured/mapped every sign to be removed. This idea was developed so that importing information into CAD would be Easier, thus, saving time and money. He performed design checks for the signing and striping plan sheets, and quantity checks for signing, striping, retaining walls, pavement, and traffic barriers.
- Airline Road Improvements, City of Corpus Christi – Roadway Designer. This project involved upgrading the existing two-lane rural road without shoulders to a five-lane urban road with curb, gutter, and sidewalks. This included utility upgrades and repairs (water, wastewater, gas) and significant stormwater improvements, as well as traffic signalization and area lighting improvements. Mr. Pedraza worked on the design of alignments, plan views, and profiles for airline road improvements.
- 2008 Bond Program Assistance, City of Corpus Christi – Roadway Designer. Rick worked with a team of engineers to provided preliminary engineering services to develop the scope, budget, and schedule for 11 individual street projects as part of the CIP and Bond 2008 issue projects. These projects were each estimated to cost \$10-\$12M and required reconstruction to meet the City of Corpus Christi's Urban Transportation Plan. The projects included a full complement of improvements to the utilities, stormwater drainage, and roadway.
- PS&E IH 35 Frontage Road, City of Round Rock – Drainage Lead. Rick worked on the drainage plan production including a drainage area map, plan, and profiles, grading, cross-sections, details, quantity and estimate tables; downloaded necessary TxDOT standards for the plan set; and created a pen table for automatic sheet numbering of plan sheets used while printing with a plot driver.
- Central Texas Turnpike Project for SH 45, LP 1 and US 183A, City of Pflugerville, Texas Turnpike Authority (TTA) – Roadway Designer. Rick managed project CAD design files for SH 45, Loop 1, and US 183A at the Pflugerville office. He handled all schematic, exhibit, and graphic needs for the Texas Turnpike Authority (TTA). He coordinated with nine other section engineering companies and State employees at TTA. He managed schematics and information submitted by section engineers, using it to produce exhibits for internal and public stakeholder outreach. He would also attend public meetings and help translate for Spanish-speaking stakeholders. He oversaw all the printing and exhibit mounting needs for the office.
- US 281 at LP 1604 Systems interchange, TxDOT El Paso District – Roadway Designer. v provided CAD and design support in the creation of a complete set of PS&E to upgrade the existing three-level interchange at US 281 at Loop 1604 to a five-level, fully directional interchange. He also managed CAD files and standards.



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| <b>Project Personnel</b> | <b>Javier Martinez, Jr., PE, CFM – Deputy Project Manager</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>License</b>           | Professional Engineer – TX, #116932<br>Certified Floodplain Manager – ASFPM No. 3279-17N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Education</b>         | BS in Civil Engineering, Texas A&M University at Kingsville, 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Experience</b>        | <p>Mr. Martinez has more than 11 years of engineering experience in transportation (roadway design) and hydrology &amp; hydraulic design, whereas the last seven years were with the TxDOT Pharr District. Within his first four years at the District, he progressed from Engineering Assistant to Lead Design Engineer (Design Section), and then as Project Manager after managing/designing over \$300M in PS&amp;E in-house. Mr. Martinez was a fundamental asset in the TxDOT Pharr District as a key team member on the US 83 La Joya/Penitas Relief Route Phase I \$86M PS&amp;E project, and letting one of the largest PS&amp;E projects of \$96M and developing a PS&amp;E for the continuance US 83 project of \$37M. He has also served as an expert witness to ROW Acquisition Eminent Domains and presenting in public meetings/hearings. As one of the Lead Design Engineers for the section, Mr. Martinez was responsible for two PEs, three EITs, and three Design Techs in developing PS&amp;E for the design section; assisting Districts area offices (construction) in change orders/field changes; assisting the District's Maintenance Office with RMC projects; assisting the Advance Planning Development/Consultant Management Section; assisting the design section supervisor; assisting other design leads, and mentoring and developing young engineers within the design section. Mr. Martinez also has more than four years of experience in surveying and site development.</p> <p>His project experience includes bridge class culvert widening, curb, and gutter, Super 2 (passing lanes, 12 miles), drainage ditch design, interstate, hike and bike trails, raised medians, and a controlled-access expressway facility (9.15 miles of US 83). This project consists of mainlanes, frontage roads, ramps, bridges, connectors, retaining walls, sound walls, traffic signals, illumination, drainage, landscaping, bridge overpasses, and construction schedule.</p> |

Project experience includes:

- US 83 La Joya/Penitas Relief Route, Limits from 0.85 miles east of FM 886 (El Faro Road) to 0.28 miles West of Showers Road (9.159 Miles), Hidalgo County – Project Engineer. Javier was responsible for analyzing the project's hydraulics and developing a scour analysis report, drainage area maps, culvert design, storm system design, and construction plans for the \$86M project. The project consisted of developing construction plans for a four-lane controlled-access expressway facility. Mr. Martinez assisted in developing construction plans for roadway, stormwater pollution prevention plan, QA/QC, and coordination with Hidalgo County Drainage District No. 1 (HCDD No. 1) and engineering consultants.
- US 83 at Arroyo Quiote, Starr County – Project Manager. Javier designed and prepared the construction PS&E for US 83 at Arroyo Quiote Bridge Class Culvert Widening project (\$1.2M). He analyzed the existing bridge class culvert and developed a hydraulic report of the Arroyo Quiote using the Regression Equation for hydraulic calculations and HEC-RAS to analyze the Arroyo and bridge class culvert.
- Mercedes Drain, Limits from IH 2 to IBWC Floodway (8.0 Miles), Hidalgo County – Project Manager. Javier was responsible for the design and preparation of construction PS&E for the Mercedes Drain project for Hidalgo County Drainage District No.1 (HCDD No. 1) and TxDOT. He analyzed the hydraulics to designed six bridge class culverts and widen the existing ditch to convey a 25-year storm frequency event. He managed coordination with IBWC, HCDD No. 1, and Hidalgo County's Engineering Consultants.
- FM 907 (Alamo Road, Limits from Nolana Loop to IH 2 (2.75 Miles), Hidalgo County – Project Manager. Javier was responsible for the design and preparation of the schematic and construction PS&E for FM 907 (\$10.4M) involving the reconstruction of a two-lane rural roadway to a five-lane curb and gutter (65-ft. face-to-face) within 80-ft. of the ROW consisting of roadway widening, storm drain design, special drainage structure design, irrigation crossings, pedestrian elements, traffic signal improvements, sound walls, and extensive coordination with HCDD No. 1, Hidalgo County Irrigation District No. 2 (HCID No. 2), and the TxDOT Utility coordinator. He also presented the project's information in a public hearing for environmental clearance and served as the testifying engineer/expert witness for ROW acquisition in eminent domain hearings.
- SH 186 (CSJ: 0433-02-052), Limits from Hidalgo/Willacy County Line to Kings Avenue (12.30 Miles), Willacy County – Project Manager. Mr. Martinez was responsible for the design and preparation of the construction PS&E for SH 186 (Super 2) - passing lanes project (\$20.9M). The SH 186 project consisted of the realignment of the S-curve on SH 186 and FM 1834 intersection, as well as the reconstruction of a two-lane rural roadway with passing lanes.
- IH 69E (CSJ: 0039-08-100), Limits from 0.35 Miles North of Old Alice/Stillman Road to 0.40 Miles South of Merryman Road (0.46 Miles), Cameron County – Project Manager. Javier was responsible for the design and preparation of construction PS&E of a TxDOT project (\$10.5M) in conjunction with the Brownsville Metropolitan Planning Organization (MPO) of improving the overpasses for the northbound and southbound frontage roads at the Union Pacific Railroad (UPRR) intersection. The project consisted of improving a separate overpass used as a shared-use path for pedestrians and bicycles proposed adjacent to the northbound frontage road. The purpose of the project was to improve frontage operations and enhance safety for pedestrians and cyclists. Mr. Martinez leads the design team in developing bridge layouts, retaining walls, roadway design, hydraulic design, traffic control plans, and sign layouts. He also served as the testifying engineer/expert witness for ROW acquisition in eminent domain hearings.
- SH 48 (CSJ: 0220-05-075), Limits from IH 69-E to SH 48 (Boca Chica Boulevard) (1.50 Miles), Cameron County – Project Manager. Javier was responsible for the design and preparation of the construction PS&E for SH 48 (Boca Chica Boulevard), which was a raised median project (\$3.4M). The SH 48 project involved constructing a raised median in an 82-ft. face-to-face roadway within 100-ft. ROW. Mr. Martinez made some innovative designs at the intersections to allow vehicular to make U-turns without acquiring ROW. He was instrumental in the public involvement process by presenting the project in a public meeting to the City of Brownsville, Brownsville Metropolitan Planning Organization (BMPO), Brownsville Chamber of Commerce.
- US 83 La Joya/Penitas Relief Route – Phase II (CSJ:0039-02-063), Limits from FM 2221 (Jara Chinas Road) to 0.28 Miles West of Showers Road (5.612 Miles), Hidalgo County – Project Manager. Javier was responsible for developing construction plans for this \$96M project consisting of a controlled-access expressway facility of main lanes, frontage roads, ramps, overpasses, retaining walls, connectors, and bridges. He was directly responsible for the design and oversight of PS&E consisting of the roadway, drainage, TCPs, construction schedule, retaining walls, bridge layouts, pavement markings, small and large signs, traffic signals, illuminations, landscaping, and environmental. Javier led a group of 25 TxDOT personnel from other sections to deliver the set of plans.
- US 83 La Joya/Penitas Relief Route – Phase III (CSJ:0039-02-040), Limits from BU 83 to FM 2221 – Jara Chinas Road (3.0 Miles), Hidalgo County – Project Manager. Javier was responsible for developing construction plans for a \$36.7M project consisting of a controlled-access expressway facility for main lanes only. He was directly responsible for the design and oversight of PS&E consisting of roadway, drainage, retaining walls, bridge layouts, pavement markings, small and large signs, illuminations, and environmental. Javier led a group of TxDOT personnel to deliver the set of plans.
- FM 494 (Shary Road) (CSJ:0864-01-068), Limits from SH 107 to FM 676 (2.0 Miles), Hidalgo County – Project Manager. Javier was responsible for managing an engineering consultant to deliver PS&E for the reconstruction of a two-lane rural roadway to a widen five-lane curb and gutter.
- FM 494 (Shary Road) (CSJ:0864-01-069), Limits from FM 676 to FM 1924 (2.0 Miles), Hidalgo County – Project Manager. Javier

was responsible for managing an engineering consultant to deliver PS&E for the reconstruction of a two-lane rural roadway to a widen five-lane curb and gutter.

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| <b>Project Personnel</b> | <b>Ahmed Abd-El-Meguid, Ph.D., PE – QC/QA Manager</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>License</b>           | Professional Engineer – TX, #104874                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Education</b>         | Ph.D. in Civil Engineering, University of Alabama, 2008<br>MS in Structural Engineering, Cairo University, 2005<br>BS in Civil Engineering, Cairo University, 2001                                                                                                                                                                                                                                                                                                                           |
| <b>Experience</b>        | Dr. Abd-El-Meguid brings the benefit of experience and lessons learned from a transportation career that has focused on studies as well as PS&E development of transportation infrastructure improvements through urban and rural areas throughout Texas. With more than 18 years of experience, Dr. Abd-El-Meguid has utilized insight into the interface concerns, precise design criteria, consistent standards, and continuous coordination which are necessary for successful projects. |



Project experience includes:

- SH 130 Bridge Assessment and Widening, TxDOT Austin District – Task Leader. Ahmed is providing engineering services for the preparation of PS&E for the widening of SH 130 from SH 45 to US 290, a \$3.67M project in Pflugerville (spanning 9 miles). Construction involved adding one additional lane to the inside of the existing mainlanes in each direction and an auxiliary lane to the outside of the mainlanes between Pflugerville Parkway and Wilbarger Creek. He prepared plans and details and computed quantities to include roadway design, grading, paving, ITS, and demolition PS&E. This project was designed under an accelerated schedule for the complete construction and use of SH 130 as an alternate route to upcoming IH 35 reconstruction work in the area. The project required project coordination with, and adjacent to a consultant working south, the Central Texas Regional Mobility Authority (CTRMA) for work at the US 290 interchange, as well as the tolling operations division of TxDOT.
- MOPAC Segment 2B and Segment 3 – Tolling/ITS Design, City of Austin – Project Engineer. Ahmed was part of the design team for this design-build project involving identifying/relocating existing TxDOT ITS infrastructure along the corridor. He performed field verification of an existing 12 conduit concrete encased duct bank and cable vaults and identified conduits to be used to carry proposed cables for ITS and tolling. Tasks involved relocating the dynamic message signs, CCTV cameras, Intermediate Amplifier Cabinets, and Lane Control Signs and modifying the communication schematics to reflect the modified design. He designed toll gantries, equipment hangers, and toll equipment sites based on the System Integrators standards and requirements.
- US 90A over the Colorado River, TxDOT Yoakum District – Project Engineer. Ahmed provided design for this rural project involving replacing an existing two-lane, 33-span, 1,320-ft. long bridge with a 13-span, 1,370-ft. long bridge. Railroad ROW paralleled the alignment. The project included a common ditch between the railroad ROW and TxDOT ROW. The railroad bridge was 100-ft. upstream of the existing bridge. The existing bridge had visible scour at multiple bents in the river.
- US 59, Nacogdoches County, TxDOT Lufkin District – Structural Task Leader. Ahmed led the construction/realignment of US 59 mainlanes, ramps, frontage roads, and a direct connector to LP 224 through a developed area in congested ROW. The project spanned 3.5 miles and included six on-/off-ramps, braided ramps, main lane and frontage road reconstruction, storm sewer, and detention ponds. Design aspects incorporated the existing BU 59 lanes and improvements designed by another consultant in Phase 1. He proposed the construction of soil nailed walls under the SH 7 overpass early during construction to improve the circulation of local traffic in the area. This required obtaining borings into the existing embankment of SH 7. TCPs required four phases and were coordinated with the City/key stakeholders. Option 2 was selected due to input from the City. Due to the geometry of the roadway under the bridge at Spradley and BU 59, CONSOR studied options to place bents with multi-shaft foundations and included an option for precast bents. He studied accelerated bridge construction strategies; prepared detour plans for limited nighttime rolling closures; studied splice locations and need for shoring towers and adjusted design to minimize traffic impacts to a roadway under the bridge; and developed precast post-tensioned cap details for straddle bent to reduce construction time and improve safety. In coordination with the State, it was recommended to design the substructure for an additional lane to the inside in both directions, which helped to locate the columns further away from the traffic and improved constructability and safety. This also helped reduce modifications and cost for future widening.



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| <b>Project Personnel</b> | <b>Candido Bocanegra, PE – Construction Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>License</b>           | Professional Engineer – TX, #184998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Education</b>         | BS in Civil Engineering, Texas A&M University at Kingsville, 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Experience</b>        | Mr. Bocanegra has more than 11 years of experience in civil, roadway design, construction engineering, hydraulic design/analysis on open channels, and bridge structures. He oversaw and managed the design, maintenance, and construction operations on multiple projects ranging from FM roads to interstates, including off system state projects. Mr. Bocanegra has extensive experience in evaluating complex project issues and determining solutions that reduce construction costs and result in cost-efficient to clients. He has managed and oversaw more than \$300M in construction contracts and \$30M in maintenance contracts in his career. |

Project experience includes:

- SH 286 at OSO Creek, City of Corpus Christi, TxDOT Corpus Christi District – Drainage Task Leader. Candido worked on the hydraulic design, scour analysis, and the production of miscellaneous details. While working on the Hydraulic study he coordinated with FEMA and the Nueces County Flood Plain Coordinator; due to the area being a high flood zone area. With two new bridge structures being introduced into the waterway, the main concern was not to affect the water flow. Using HEC-RAS, TR55, and HEC-HMS, he established that the proposed bridges would not have any severe effects on the creek.
- FM 43 at OSO Creek, City of Corpus Christi, TxDOT Corpus Christi District – Drainage Task Leader. Candido worked on the hydraulic design, scour analysis, and the production of miscellaneous plan sheet details. By using HEC-RAS, TR55, HEC-HMS, and Bentley software aids. His analysis consisted of a 25-year, 50-year, and 100-year storm assessment with the widening of the channel, making a massive improvement in the flood areas around the structure.
- US 81 Super 2, City of Karnes, TxDOT Corpus Christi District – Drainage Task Leader. Candido performed hydraulic studies on several bridge class culvert structures to improve drainage in the area. By using HEC-RAS, TR55, HEC-HMS, and Bentley software aids. His analysis consisted of a 25-year, 50-year, and 100-year storm assessment with the widening of the channel, making a massive improvement in the flood areas around the structure.
- Various Projects along the Willacy/Kennedy County Line; the Willacy/Hidalgo County Line; and the Cities of Brownsville, and Harlingen, TxDOT Pharr District - Project Manager. Candido oversaw multiple projects ranging from FM roads to Interstates including on/off-system projects consisting of MSE walls, bridge structures, rehabilitation, and new roadway projects. He ensured construction operations in compliance with the contract, plans, and specifications. He was responsible for providing direct oversight to the field staff to manage the projects efficiently and effectively. He evaluated complex project issues and provided quick conclusive solutions to avoid project construction delays or work schedule impacts. His responsibilities entailed the project budget, payments, monitored/analyzed construction schedules, managed the storm pollution prevention plan (SW3P), permit compliance, conducted constructability reviews, change orders, TCP, safety redesigns to enhance safety measures, addressed all public complaints with local entities and residents. Candido conducted construction status presentations to Brownsville/Harlingen, Hidalgo MPOs, and commissioner courts. He developed and signed and seal all modified redesigns that were executed to enhance the constructability or safety in the project. The various projects included:
  - US 83 at Inspiration Rd US 77 Kenedy County Line to 1.34 Miles North
  - SH 186 Willacy/Hidalgo County Line to King St.
  - Bike Trail Improvements, City of Brownsville
  - SH 550 Toll Road Connector
  - CR 156/CR 3500 Off-System Bridge Reconstruction
  - SH 4 (SPACE X) Roadway Repair
  - City of Hidalgo and Cameron Coping Bridge Repairs
  - FM 106 General Brant Rd.
  - Rio Grande State Center, City of Harlingen
  - SH 345 Safety Improvements





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| <b>Project Personnel</b> | <b>Laura Fuller, PE, RAS – TDLR Coordination</b>                                                                                                                                                                                                                                                                                                                                                                              |
| <b>License</b>           | Professional Engineer – TX, # 92927 / Registered Accessibility Specialist #1256                                                                                                                                                                                                                                                                                                                                               |
| <b>Education</b>         | BS in Civil Engineering, Texas A&M University at Kingsville, 2008                                                                                                                                                                                                                                                                                                                                                             |
| <b>Experience</b>        | Ms. Fuller has more than 20 years of experience in a variety of municipal and TxDOT design projects. Her engineering design and construction management experience include aspects of pedestrian route geometrics that meet ADAAG, TAS, and ASSHTO standards. Also, Ms. Fuller is a Registered Accessibility Specialist (RAS). She has also served as a construction administrator on several municipal and transit projects. |

Project experience includes:

- Loop 20 / SH 359 Interchange, TxDOT Laredo District – Project Engineer. Laura was the Project Engineer for this \$120M urban road reconstruction with an interchange. She performed design and plan production of horizontal and vertical control for the roadway, signing, striping, traffic control, cross-sections, retaining wall, typicals, miscellaneous details, drainage runoff calculations, storm sewer design, SW3P, traffic signals, quantities, estimates, and construction time schedules.
- FM 270 and FM 528 Bikeway, League City – Project Engineer and Construction Administrator for 1.9 miles of the shared-use path from FM 270 from Nasa Road 1 to Henderson Road and on W. Nasa Pkwy from W. Nasa Blvd. to Kobayashi Road. Conducted multiple field visits and field measurements to ensure the maximum number of trees were protected. Coordinated with the City of Webster for water sewer line relocations and with CenterPoint energy for adjusting power poles and guy wires in areas where conflicts could not be eliminated.
- Town Center Pedestrian Enhancements, City of Sugar Land – Construction Administrator for four miles of 6-ft. to 8-ft. wide sidewalk, mid-block crossing (i.e. speed table), rectangular rapid flashing beacon, planting, and hardscape improvements. Ms. Fuller ensured that the design met ADAAG and TAS standards.
- City of Houston Sidewalk Reconstruction, Houston – Construction Phase Services Manager for this project in the downtown area (METRO north rail alignment). Scope included the construction of 53,000 LF to bring into ADA compliance and provide a connection to 5 neighborhood schools. The project entailed a review of existing sidewalk, documenting ADA non-compliant locations, design of ADA compliant ramps, replacing poor and missing sidewalk segments, evaluating impacts to existing facilities such as trees, utilities, and driveways, and designing associated improvements. She also completed an in-house ADA review of plans. Answered contractor questions, coordinated revisions due to different field conditions, and uncovered utilities. Reviewed construction and ensured compliance with plans. Laura was instrumental in TDLR inspection.
- US 90A and SH 6, TxDOT Houston District – Project Engineer in charge of coordinating construction services for a three-mile, \$35M urban street reconstruction project. The project consisted of constructing bridges, retaining walls, traffic control, storm sewer, and concrete pavement. Her responsibilities involved submittal review, processing change orders, and design/construction coordination.
- METRO Pedestrian Ramp Project at Main Street, Houston – Project Manager for the pedestrian curb ramp replacement project in front of the Main Street Transit Center. Ms. Fuller reviewed the design to ensure the project meet ADAAG, TAS, and City of Houston design requirements. The project included coordination with METRO Rail and City permit coordination. Laura also reviewed the pedestrian detours due to the high pedestrian traffic near the work area for the same accessibility standards.
- Improvements at Texas Parkway and Cartwright Road, City of Missouri City – Roadway Project Engineer for the design of this \$2.3M intersection improvement to four intersections. The improvements included the addition of left-turn lanes, right-turn lanes, acceleration lanes, and signals. Laura performed design and plan the production of horizontal and vertical control roadway, roadway typical sections, roadway cross-sections, ADA compliant sidewalks, and pedestrian ramps, TCPs, utility research and mapping, utility coordination, and utility conflict resolution, specifications, contract scheduling, and estimate of construction costs.



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| <b>Project Personnel</b> | <b>Kishore Juluru, PE, PTOE, RAS – Traffic Signals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>License</b>           | Professional Engineer – TX, #100219 / Professional Traffic Operations Engineer - #2688 / Registered Accessibility Specialist - #1586                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Education</b>         | MS in Transportation Engineering, The University of Texas at Arlington, 2004<br>BS in Civil Engineering, University of Bombay, 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Experience</b>        | Mr. Juluru has been involved with the planning and design of transportation engineering projects for more than 17 years. He has been involved in the design of traffic signals, illumination, and ITS elements for numerous municipal entities including the TxDOT Pharr District and numerous municipalities, TxDOT Districts, and private-sector clients. His experience also includes traffic studies, traffic control plans, and signing and pavement markings. His responsibilities have included preparation of PS&E; project management; and managing and coordinating with sub-consultants. Mr. Juluru has also managed the City of Missouri City's On-Call Traffic Engineering contract since 2014. |

Project experience includes:

- Traffic Signal Warrant Study and Traffic Signals/ Flashing Beacons Design, TxDOT Pharr District – Project Engineer. Kishore analyzed the traffic signal warrants at various intersections along Mile 2 Road per the guidelines presented in the TMUTCD. He designed six traffic signals (both span wires and mast arms) and two flashing beacons along a four-lane high-speed arterial roadway. Work included designing signal pole foundations, pedestrian crosswalks, and wheelchair ramps satisfying the ADA/ TxDOT criteria; wiring diagrams and conduit sizing as per NEC/TxDOT Codes; and initial signal timing and phasing plans for all the intersections. Temporary traffic control plans to direct the traffic during different phases of construction were also prepared at certain intersections. An estimate of quantities and an engineer's cost estimate were also prepared.
- FM 88 - Mile 12 Road to Mile 16 Road, TxDOT Pharr District – Project Engineer. Kishore provided traffic signal design and related signing and pavement markings at six intersections. The work included field investigations and design of signal pole foundation, wheelchair ramps per ADA and TxDOT guidelines, pedestrian crosswalks, and electric wire schedules. He provided the engineer's cost estimates. He also provided signing and pavement marking plans along a 7.7-mile length of the project.
- US 83 at Bryan Road in Mission, TxDOT Pharr District – Project Engineer. Kishore conducted a detailed traffic operational analysis study to assess traffic operations at the existing (Jug-Handle) and the proposed (Split-Diamond) interchange of US 83 and Bryan Road. He also assessed traffic counts and developed balanced traffic assignments within the study network. He estimated projected traffic volumes for future analysis years based on MPO's travel demand model. The work included developing a traffic flow model using Vissim and Synchro to test these two alternative configurations for different analysis years. Each alternative was analyzed based on delays, queue length, and Level of Service as outlined in the Highway Capacity Manual. Based on the results, recommended the lane assignments/configurations and traffic signal parameters that would handle the projected traffic demand efficiently. Work included designing the traffic signal at each of the four closely spaced signalized intersections (Split-Diamond) and assisting in developing signal timing and phasing plans for all the intersections. Also designed large guide signs including the cantilever structures and roadway illumination to include underpass, safety, and continuous. As a part of illumination design, wiring diagrams were designed, voltage drops were calculated and verified to be within the acceptable limits, and appropriate service was designed.
- Traffic Signal Timing along US 281, Hidalgo County, TxDOT Pharr District – Project Engineer for the signal re-timing for 11 intersections involving Naztec (Street Sync) and Eagle (Tactics) controllers and software for TxDOT Pharr. Work included traffic counts (AM, PM, Mid-day, and weekend), uploading the existing controller timing plans, analysis of the corridor using Synchro, and fine-tuning the timing plans. Coordination with the City who maintains the signals and identifying their concerns and planned improvement in the near term was an important factor during the re-timing process. Time-space diagrams, time of day plans, and pre-emption information were provided/included PS&E for the corridor.
- On-Call Traffic Engineering, City of Missouri City – Project Manager. Mr. Juluru has managed this on-call traffic engineering services for the City of Missouri City since 2014 that has included 41 Was, which have included traffic data collection, safety and capacity improvements, school zone analysis, median modifications, intersection restriping, sight distance analysis, pavement markings, signage evaluations, parking capacity improvements, gateway population sign design, and construction cost estimates. Most WAs stemmed from concerns from residents in the City, and our firm was called upon to analyze situations within a short period and provide recommendations.

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| <b>Project Personnel</b> | <b>Saritha Padhiraie, PE, RAS – Traffic Control</b>                                                                                                                                                                                                                                                                                                                                                                       |
| <b>License</b>           | Professional Engineer – TX, #110173 / Registered Accessibility Specialist - #1519                                                                                                                                                                                                                                                                                                                                         |
| <b>Education</b>         | MS in Civil Engineering, Lamar University, 2005<br>BS in Civil Engineering, Kakatiya Institute of Technology & Science, India, 2003                                                                                                                                                                                                                                                                                       |
| <b>Experience</b>        | Ms. Padhiraie has more than 14 years of experience in the traffic and transportation engineering field. She has assisted in the performance of traffic impact studies and transportation planning. Additional responsibilities include the development of traffic control plans (TCPs) and the design of traffic signals, illumination, and signing and pavement marking plans for TxDOT and various cities and counties. |



Project experience includes:

- IH 2 at US 83/US 281 Interchange, Hidalgo County – Project Engineer. This project includes the schematic design, alternative geometry layout design, and development of estimates for the direct connectors at the IH 2 at US 83/IH 69C (US 281) interchange facility. Saritha is developing the TCPs, detours, and construction sequencing for the interchange.
- BU 90U Widening (IH 610, NE to Mesa Rd (Old FM 527), TxDOT Houston District – Project Engineer. This project includes the widening of an existing four-lane undivided rural roadway to a six-lane divided curb and gutter urban facility. The project involves roadway design, drainage, temporary signals, traffic signals and interconnect systems, signing and pavement markings, traffic control plans, utility relocation, and SW3P. Ms. Padhiraie completed the TCPs, detours layouts assisted in the design of the temporary traffic signals and traffic signals.
- FM 2218, TxDOT Houston District – Project Engineer. Saritha assisted the Task Leader for signals (permanent and temporary) for

roadway widening from two-lane asphalt open ditch section, to the four-lane concrete curb and gutter extending 2.3 miles from US 59 to FM 762. The project also included a sidewalk across an existing railroad. Ms. Padhirae assisted with the design of TCPs. The signal design included 144 SM fiber optic interconnect from US 59 to FM 762.

- UPRR Bridge at George Bush Drive & Wellborn Road, College Station, Texas, TxDOT Bryan District – Project Engineer. This project includes the design of a railroad underpass for a UPRR track in College Station. The construction will consist of replacing the existing at grade intersection with the railroad with a depressed roadway intersection for FM 2347 and FM 2154. This requires the construction of shoofly tracks, a railroad bridge, two bridges for FM 2154 northbound and southbound mainlanes, three bridges for pedestrian and bikeways. As Project Engineer, Saritha completed the TCPs, detours layouts assisted in the design of the temporary traffic signal and traffic signal.
- Falvel Road Reconstruction, Harris County – TCP Task Leader. Saritha was the task lead for TCPs, detours layouts, and the design of signal modifications for the reconstruction of 3500 LF of a two-lane rural roadway to a five-lane curb and gutter roadway. Included utility coordination, waterline relocation, traffic control, environmental documentation, surveying, and ROW mapping.
- Cypress North Houston Rd (340-Ft. East of Barker-Cypress to Island Shore Drive), Harris County – Project Engineer. This project includes the widening of the existing two-lane to a four-lane roadway from 340-ft. east of Barker Cypress to 800-ft. east of Riata Ranch Boulevard, and the construction of a full boulevard section from 800-ft. east of Riata Ranch Boulevard to Island Shore Drive. The project involves roadway design, paving, drainage, signing, and pavement markings, TCPs, utility relocation, stormwater pollution prevention plans, and project manual. Saritha completed the project manual and assisted in the design of the TCPs, signing, and pavement markings on Cypress North Houston Road.
- FM 2218 Reconstruction, TxDOT Houston District – Project Engineer. Saritha assisted in the design of traffic control plans for the roadway widening from a two-lane asphalt open ditch section to the four-lane concrete curb and gutter extending 2.3 miles from US 59 to FM 762. She also assisted in the design of permanent and temporary signals. The project also included a sidewalk across an existing railroad.



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| <b>Project Personnel</b> | <b>Guillermo Martinez, PE, CFM – Drainage/H&amp;H</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>License</b>           | Professional Engineer – TX, #95786 / Certified Floodplain Manager - #2212-11N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Education</b>         | BS in Civil Engineering, University of Texas at El Paso, 2000<br>Associate of Applied Science in Civil Survey Technology, New Mexico State University, 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Experience</b>        | Mr. Martinez has more than 18 years of engineering, experience acquired while working for the USIBWC, NMDOT, TxDOT, the Hidalgo County Regional Mobility Authority, La Salle County Texas, and private consulting firms. He has experience in the design, construction, and inspection of roadway/bridge, water resources, and land development, projects. Moreover, he has served as a field resident project representative (RPR), construction engineer, design engineer, project manager, and critical path method (CPM) scheduler. His scheduling experience includes scheduling, analyzing, monitoring, and evaluating CPM schedules using P3, P6, ClaimDigger, and Schedule Analyzer (SA) and techniques in TxDOT's "CPM Schedule Development, Review, and Analysis Guidelines (12/7/2001 Ed)." He previously worked for the Construction Section of the TxDOT El Paso District. |

Project experience includes:

- US 281, TxDOT San Antonio District – Drainage Project Manager. Guillermo managed the drainage design for this \$182.9M roadway project. He was responsible for managing and providing direction to a drainage design team located at CONSOR's El Paso office, which includes two PEs, four EITs, two CAD technicians, and one Arc-GIS technician. He was also responsible for coordinating with a large team of sub-consultants. As a Designer, he prepared the 30%, 60%, and 95% complex PS&E for the project's storm drains, culverts, bridge class culverts, open channels, and ditches using Geopak Drainage, Arc-GIS, Bentley Map, HEC-RAS, and HY-8 software. Additionally, the project required that he reviewed the project's preliminary proposed schematic, geotechnical reports, existing FEMA flood zones, FIRMs, FIS, complex H/H study reports, multi-faceted stormwater system designs, existing/proposed basins/ponds, and the H/H model deliverables using HEC-HMS and HEC-RAS software. Guillermo worked with a CONSOR GIS Technician to acquire digital terrain models (DTMs) and aeriels required for the project's watershed delineations and peak flow calculations.
- FM 1281 Existing Conditions Drainage Study, TxDOT El Paso District – Project Manager. Guillermo served as the Project Manager on this study. He was responsible for managing a team of engineers to perform an existing conditions, planning-level, ROW to ROW H&H analysis for a three-mile roadway section of FM 1281 (Horizon Boulevard) from Alameda Avenue to IH 10. The study required the analysis of existing drainage structures such as culverts, storm drains, and roadside ditches using Geopak Drainage, HEC-HMS, and HEC-RAS 2D to identify drainage issues within the project limits. Moreover, he worked closely with the team to provide recommendations on improving the existing drainage system by proposing new storm drains, ditches, and retention ponds. The study's findings and future drainage recommendations were presented by Mr. Martinez to TxDOT, City of Socorro, and El Paso County via various public meetings.

- Loop 375 in El Paso, TxDOT El Paso District – Project Engineer. Guillermo was the Project Engineer in charge of designing storm drains and preparing the PS&E for this \$38.7M freeway facility project. He utilized aeriels, Windstorm, and GEOPAK drainage to complete the project designs.
- FM 1281/Buford Culverts and Storm Drains for the City of Horizon, TxDOT El Paso District – Project Engineer. Guillermo was the Project Engineer in charge of the culvert design and storm drain for this \$7.3M TxDOT project.
- US 87 in Sterling County, TxDOT San Angelo District – Project Engineer. Guillermo was tasked to design the culvert structures and prepare the PS&E for this \$5M roadway project. He utilized USGS Maps, MicroStation, and TX Hydraulic System Culvert Design software.
- US 67 in Reagan County, TxDOT San Angelo District – Project Engineer. Guillermo was the Project Engineer in charge of designing the culvert structures and preparing the PS&E for this \$6.4M roadway project. He utilized USGS Maps, MicroStation, and TX Hydraulic System Culvert Design software.
- Spur 6 Roadway in El Paso, TxDOT El Paso District – Project Engineer. Guillermo was the Project Engineer in charge of storm drain construction and critical path method (CPM) analysis for this \$8.1M TxDOT project in which he designed and mitigated utility conflicts in the field.



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| <b>Project Personnel</b> | <b>Amparo Ortega, PE – Utility Relocation Coordination</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>License</b>           | Professional Engineer – TX, #103686                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Education</b>         | MS in Civil Engineering, The University of Texas at San Antonio, 2002<br>BS in Biology, The University of Texas at San Antonio, 1996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Experience</b>        | Ms. Ortega has more than 17 years of experience in the civil engineering field. She has served as the Utility Coordinator for the Camino Real Regional Mobility Authority (CRRMA) since 2010. As a CRRMA GEC team member, she is responsible for determining utility conflicts and coordinating with utility owners to resolve relocation, cost, and schedule on any projects which fall under the jurisdiction of the CRRMA during design and construction. She has developed local contacts with utility companies serving the El Paso area, including Fort Bliss and Horizon. She has a vast knowledge of TxDOT's Utility Accommodation Rules which is required when design ties into TxDOT roadways and drainage systems. Amparo recently assisted the City of El Paso with ensuring state and federally funded projects are documented in compliance with the Texas Department of Transportation (TxDOT) guidelines. |

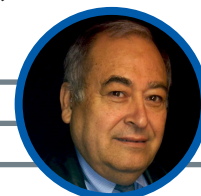
Project experience includes:

- IH 35 From Shiloh Drive to 0.25 Miles North of US 59/IH 69W, TxDOT Laredo District – Utility Coordinator. This project involves utility engineering investigation (SUE) including mapping utilities such as water, wastewater, natural gas, gas/oil pipelines, electric, telephone, fiber, duct banks, cable TV, and State ITS fiber/State illumination, utility adjustment coordination, utility engineering, utility construction management, and verification services for a railroad grade separation along IH 35 (North of Shiloh Drive) to the US 59/IH 69W interchange.
- RM 2222 from Ribelin Ranch to RM 620), TxDOT Austin District – Utility Coordinator. This project involves widening the four-lane roadway to a six-lane roadway and includes ROW acquisition on both sides of the roadway. The scope for utility engineering includes SUE, utility coordination, utility relocation coordination, utility agreements, two joint-bid utilities, and acquisition of utility easements. Amparo provided utility coordination and agreement preparation. She developed a utility management plan for uncleared utilities. This project included 10 utilities requiring relocation. These included Austin Water (joint-bid) and Austin Energy requiring significant procurement time due to Buy America requirements. The project included congested ROW and several utilities in the easement (more than 100,000 LF). The water line and gas line did not leave room for AT&T duct bank relocation. Since it was a dry utility, she coordinated with AT&T and TxDOT to review options and if it could remain under the pavement. This required a design exception since it would not meet UAR guidelines. TxDOT provided concurrence. Ms. Ortega worked with the design teams for the elimination of five wastewater crossing conflicts by proposing to change to the proposed storm sewer trunk line from 60-in. diameter to 6-ft.x3-ft. diameter. This required coordination with Austin Water and the drainage task leader. This ensured 9-ft. clear between the wastewater and water line per the TAC and TCEQ requirements.
- El Paso Street Car, Camino Real Regional Mobility Authority (CRRMA), City of El Paso – Utility Coordinator. This project consists of the \$97M construction of a streetcar route 4.8 miles long, adding 27 stops and a maintenance and storage facility. The route runs in two loops, connecting the international bridges, retail areas, government buildings, convention center, and downtown ballpark with the medical center, the University of Texas at El Paso, and several historic neighborhoods. She is currently providing utility coordination for the CRRMA. Amparo is tasked to determine utility conflicts and coordinate with utility owners to resolve relocation, cost, and schedule during the construction of the project for both dry and wet utilities throughout the streetcar route and at the maintenance and storage facility. She is responsible for executing agreements between the utility company and the CRRMA. As relocations are taking place, she conducts weekly meetings for the status and schedule of all relocations. She is involved in the redesign process of the track alignment to avoid relocating certain utilities. Executed CRRMA agreements include



AT&T and Level 3.

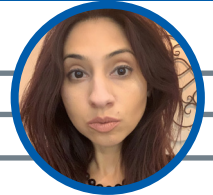
- IH 10 Frontage Roads, TxDOT El Paso District – Utility Coordinator Task Leader. This project is a \$17M reconstruction of IH 10 frontage roads from just north of LP 375 (Transmountain Road) to Spur 37 (Westway Boulevard), a u-turn roadway and bridge along the south side of Spur 37. The construction consisted of retaining walls, a westbound to eastbound turnaround crossing at IH 10 south of Westway Boulevard, consisting of a grade separation bridge and a pedestrian bridge adjacent to the eastbound and westbound frontage roads near LP 375. Amparo is leading utility coordination, traffic management design, and signing and pavement markings design for the frontage road improvements and the addition of a multi-use pedestrian facility. She has conducted an interdisciplinary review to determine utility conflicts; prepared relocation plans for existing Intelligent Transportation System (ITS) that included existing fiber-optic lines and field equipment; coordinated with the State to determine the location of each existing and proposed utility and attended meetings with the various utility companies to discuss potential conflicts, and identified and coordinated with each utility company for relocations required within the project limits. Executed TXDOT agreements include AT&T and Sprint.



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| <b>Project Personnel</b> | <b>Ruben Calderon, RPLS – Survey/ROW Mapping</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>License</b>           | Registered Professional Land Surveyor – TX, #5109                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Education</b>         | BS in Civil Engineering, Universidad de Nuevo Leon, Monterrey, Mexico, 1974                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Experience</b>        | Mr. Calderon is a Project Surveyor and Global Positioning Systems (GPS) Specialist with more than 30 years of experience in the performance of ROW surveys, design surveys, and surveys associated with horizontal and vertical control for aerial mapping. Typical project types include computations for route surveys in both standard and metric projects, topographic surveys, design surveys, boundary surveys, easement surveys, parcel acquisition maps, metes and bounds, plats, as-built surveys, aerial surveys, field data reduction, and CADD Drafting in MicroStation and AutoCAD. |

Project experience includes:

- West Loop SH 32 – US 83 Cameron County from East Avenue Road at US 77/83 to Indiana Avenue, ± 5.5 Miles and East Loop SH 32 – Cameron County from FM 1419 (+/- 1.5 Miles West of Indiana Avenue) East and Northeast to SH 4 (Boca Chica) +/- 7.5 Miles – Project Surveyor. The scope of services included ROW data, right-of-entry, and adjoined research, review of deeds and easements for ownership data, preparation of Ownership Data Map, deed working sketches for the field, analysis of deed research and field data for boundaries, field surveying for base map, an update of existing improvement, reconnaissance to locate existing ROW and back corners, field tie boundary corners, horizontal and vertical control, secure right of entry into private properties, set control points for topographic survey, GPS horizontal and vertical control of topographic control points and processing GPS data.
- Cameron County Road and Drainage Colonia Improvements within the TxDOT Border Colonia Access Program for Glenwood Acres Subdivision (0.246 Miles); Colonia Lauries, Paredes Estates (0.379 Miles), Cameron Park and Ebony Road (1.136 Miles) – Project Surveyor. The scopes of services included field surveying required for preparing PS&E necessary to complete plans for the Border Colonia Program. Established primary project control with horizontal and vertical control points to establish existing roadway alignment; right-of-entry, performed topography, DTM, and formatting of graphics files furnished.
- Port Connector from SH 4 N to the Port of Brownsville, Cameron County – Project Surveyor. The scope of services included recovered and verified existing control; located and tied with GPS RTN approximately six photo ID points; ran a digital level loop through benchmarks; recovered and tied property corners; determined property line location; prepared parcel plats and property descriptions; and monumented proposed ROW.
- SPI/Buena Vista Schematic, Cameron County – Project Surveyor. The scope of services included recovered and checked existing control points; right-of-entry and abstracting; recovered and tied property corners; determined property line location; prepared parcel plats and property descriptions; and monumented proposed ROW.
- South Padre Island 2nd Access: SH 100 to South Padre Island Drive (10 miles), Cameron County – Project Surveyor. The scope of services included horizontal and vertical control, ownership research and right-of-entry, horizontal and vertical control for aerial mapping, supplemental engineering design surveying, geotechnical borehole surveys, and proposed ROW staking.
- US 83 Rio Grande City to Roma Bypass – Project Surveyor. The scope of services included design surveys; ROW mapping; recovered existing control; secured ROE; recovered existing horizontal and vertical primary control; determined secondary control points; set center and wing panels; coordinated location of new secondary control points, center and wing panels, laid out all panels, maintained panels for photogrammetry flight, GPS horizontal and vertical position of secondary, center and wing points, processing GPS data and removing paneling material.



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| <b>Project Personnel</b> | <b>Denise Granado Chavez, LEED AP – Public Involvement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Education</b>         | BBA in Economics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Experience</b>        | <p>Ms. Chavez brings 11 years of experience in the construction industry. She obtained a BBA in Economics from Baylor University in 2007 and moved back for the Rio Grande Valley. Since then she has been helping public entities to develop and fund infrastructure projects in the most economical way. She has been involved in diverse projects for public entities such as school districts like Santa Rosa ISD, Progreso ISD, and La Feria ISD, institutions of higher education such as Harlingen TSTC, and cities including the City of Harlingen and the City of Weslaco. The projects consisted of several diverse measures including solar work, HVAC work, automated meters, building controls, plants, and building envelope improvements among others. She is LEED Accredited and has obtained CEM training with an emphasis on HVAC, Electrical, Lighting, and control work. In addition to her role as program manager, Denise serves the community in various leadership roles within organizations including the Rotary Club, Zonta Club, and the Valley Environmental Coalition.</p> <p>Denise Granado Chavez is a Brownsville native who serves as a program manager for projects in South Texas. She assists in providing insight to clients on construction methodologies and building technologies. She spearheads workshops, assists in project development and goal setting, helps to secure financing, manage construction, write grants, obtain rebates and work with any applicable state and private institutions to bring the best solutions to clients. Also, Denise can help ensure that we support the local economy by locally sourcing products and services and qualifying local subcontractors whenever possible and advantageous to the client.</p> |

Project experience includes:

- City of Weslaco - Monolith Consulting was involved in the process of qualifying and helping to develop a \$7.4M for the City of Weslaco involving water meters, water meter automation, building upgrades, and traffic synchronization. The project entailed the collaboration of different departments and administrators as well as the commission. Monolith met with City leaders to establish goals/objectives for the project. Monolith gathered data and provided research findings to establish project understanding, procurement, execution, and financial options that would favor the client and its constituents. Also, Monolith collaborated throughout the engineering and construction process to ensure that the project was delivered as promised and met the needs of the client. Monolith is now working on helping the client to identify additional needs and opportunities to continue its efforts to upgrade infrastructure and to provide better services most economically.
- Santa Maria Independent School District (ISD) - Monolith was involved in the Santa Maria ISD Wing Expansion project. The leadership at Santa Maria ISD shared their vision for expansion with Monolith seeking to use their construction market expertise to help make the project a reality. Since Santa Maria is a small district with limited resources, it looked to Monolith to help find the best project options that would meet its needs. Monolith was tasked with ensuring that the vision of the District could be realized within the District's budget while still meeting the objectives set for construction including good quality, efficiency, and adequate timelines. Monolith steered and facilitated meetings and workshops to ensure that the District was well educated on the project. It worked as a liaison between the construction company and the District to ensure that District needs were met in a timely and economical way. Due to the success of the project, Santa Maria Independent School District (ISD) wishes to continue to leverage Monolith's expertise in future projects.



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| <b>Project Personnel</b> | <b>Raymond Gignac, AIA, CID – Architectural</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Education</b>         | <p>Bachelor of Environmental Design, Texas A&amp;M University, 1972</p> <p>Master of Architecture, Texas A &amp; M University, 1974</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Experience</b>        | <p>Raymond Gignac, as principal of Gignac &amp; Associates, is responsible for coordinating and overseeing personnel, consultants, and the management of projects. He has a wide range of experience in the design of educational, institutional, commercial, and municipal facilities. Raymond brings to the project team over 35 years of experience with completed construction costs approaching \$1 billion. Raymond will head the project team as Principal-in-Charge and Project Manager with project oversight from the earliest stages of programming and design to project closeout.</p> |

Project experience includes:

- Hidalgo County Sheriff's Substation, Hidalgo County, Texas
- Cameron County Courthouse Annex Building, Harlingen, Texas
- Resaca Walk Master Plan, City of San Benito, San Benito, Texas
- McAllen Convention Center 100-acre Master Plan, City of McAllen, McAllen, Texas
- City of Portland Police Station, Portland, Texas
- Harlingen Fire Station #4, Harlingen, Texas
- City of Portland City Hall, Portland, Texas
- American Bank Center Multipurpose Arena, Corpus Christi, Texas
- Stripes Headquarters Building- Corpus Christi, Texas
- Port of Corpus Christi Administration Building, Corpus Christi, Texas
- Corpus Christi Convention Center Additions and Renovations, City of Corpus Christi
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- McAllen Convention Center, City of McAllen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Public Safety Complex, Eagle Pass, Texas
- La Joya ISD Police Station, La Joya, Texas
- New Veterans Memorial High School (LEED Registered), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School (LEED Registered), Corpus Christi ISD, Corpus Christi, Texas
- 75-acre Master Plan, Veterans Memorial High School, Corpus Christi ISD, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Master Plan for Tuloso-Midway ISD Multipurpose Facility & FEMA Community Safe Room, Tuloso Midway ISD, Corpus Christi, Texas
- Pharr San-Juan Alamo ISD, Collegiate Academy Master Plan, Pharr, Texas
- Zachary Kolda Elementary School (LEED Certified), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School (LEED Silver), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School (LEED Registered), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School (LEED Registered), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School (LEED Registered), Corpus Christi ISD, Corpus Christi, TX
- University of Texas Regional Academic Health Center, Harlingen, Texas
- Texas A&M University-Corpus Christi IDIQ for Architectural Services, Corpus Christi, Texas
- Texas A&M University-Corpus Christi Moody Fieldhouse, Corpus Christi, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Mercedes ISD Additions & Renovations to Taylor Elementary School, Mercedes, Texas
- Kennedy Elementary School Additions & Renovations, Mercedes ISD, Mercedes, Texas
- High School Athletic Complex Improvements, Point Isabel ISD, Port Isabel, Texas
- Derry Elementary School Classroom Wing Addition, Point Isabel ISD, Port Isabel, Texas
- Juarez-Lincoln High School Science Lab Additions, La Joya ISD, La Joya, Texas
- Bay Education Service Center, the City of Rockport in conjunction with the University of Texas, Rockport

**Awards:**

**AMERICAN BANK CENTER**

2005 The American Institute of Architects, Corpus Christi Chapter, Citation Award

2005 The Miami Chapter of the American Institute of Architects, Design Awards Finalist

**MCALLEN CONVENTION CENTER**

2008 American Society of Landscape Architect, Merit Award

2008 Texas Architect (May/June)

**CORPUS CHRISTI NORTH BAYFRONT PARK**

2013 American Institute of Architects, Corpus Christi, Design Honor Award



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| <b>Project Personnel</b> | <b>Juan Mujica, Associates AIA – Architectural</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Education</b>         | Bachelor of Architecture, University of Houston, Houston, TX 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Experience</b>        | Mr. Mujica launched the Rio Grande Valley Office of Gignac & Associates in Harlingen, Texas in April of 2000 and has been with Gignac Architects ever since. Juan effectively serves many roles, often as Project Manager for our educational, institutional, and municipal facilities. With over 21 years of total experience, he has completed over 50 projects with Gignac & Associates and has experience in project scopes ranging from small additions and renovations to large-scale convention centers and new high schools. Juan is typically involved in a project from inception and will maintain a presence throughout construction administration. |

Project experience includes:

- Hidalgo County Sheriff's Substation, Hidalgo County, Weslaco, Texas
- Harlingen Fire Station No. 4, City of Harlingen, Harlingen, Texas
- City of San Benito Resaca Walk Municipal Master Plan, San Benito, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- City of Mercedes Multipurpose Facility & FEMA Community Safe Room, Mercedes, Texas
- Palo Alto Service Center & Central Warehouse, Brownsville, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with the University of Texas, Rockport, Texas
- Stephen F. Austin Replacement Middle School, PSJA ISD, San Juan, Texas
- Raul I. Longoria Elementary School, PSJA ISD, Pharr, Texas
- New Jaime Escalante Middle School, PSJA ISD, Pharr, Texas
- Lee H. Means Elementary School, HCISD, Harlingen, Texas
- Moises V. Vela Middle School, HCISD, Harlingen, Texas
- Early College High School at TSTC, HCISD, Harlingen, Texas
- San Juan Replacement Middle School, PSJA ISD, San Juan, Texas
- Tennis Courts Replacement, Harlingen High School, Harlingen HS South, HCISD, Harlingen, Texas
- District-Wide Additions and Renovations to Point Isabel ISD, Port Isabel, Texas
- New Athletic Fields / Football Stadium Upgrades, Port Isabel ISD High School, Port Isabel, Texas
- District-Wide Additions / Renovations to HCISD, HCISD, Harlingen, Texas
- Rio Hondo Elementary School, Rio Hondo ISD, Rio Hondo, Texas
- Rio Hondo Sports Complex, Rio Hondo ISD, Rio Hondo, Texas
- Additions to Rio Hondo High School, Rio Hondo ISD, Rio Hondo, Texas
- Castaneda Elementary School, McAllen ISD, McAllen, Texas
- District-Wide Additions and Renovations to McAllen ISD, McAllen, Texas
- Juarez-Lincoln High School, La Joya ISD, La Joya, Texas
- Kennedy Middle School, Pharr San-Juan Alamo ISD, Pharr, Texas
- Harlingen CISD, Boggus Stadium, New Football Field, Track and Seating Expansion, Harlingen, Texas
- Austin Middle School, Pharr San-Juan Alamo ISD, San Juan, Texas
- New Aquatics Center, Harlingen CISD, Harlingen, Texas
- District-Wide Additions and Renovations, Harlingen CISD, Harlingen, Texas
- Tuloso-Midway ISD Early Childhood Education Center Addition, Corpus Christi, Texas
- Point Isabel ISD Derry Elementary Classroom Wing Additions, Port Isabel, Texas
- University of Texas Regional Academic Health Center, Harlingen, Texas
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| <b>Project Personnel</b> | <b>Andres Palma, PE – Geotechnical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>License</b>           | Professional Engineer – TX, #115936                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Education</b>         | BS in Civil Engineering, The University of Texas at San Antonio, 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Experience</b>        | <p>Mr. Palma has more than 17 years of experience in the engineering industry and vast knowledge in geotechnical engineering and construction materials testing in the South Texas area. Geotechnical projects that Mr. Palma has been involved with include mixed-use developments, urban mid-rise buildings, educational facilities, airport facilities, parking garages, commercial low-rise to mid-rise buildings, water, and wastewater treatment facilities, elevated water towers, industrial facilities, multi-family developments, churches, residential subdivisions, and general retail centers. Pavement design projects that Mr. Palma has been involved with include highways, industrial parks, heavy-duty brick paving, freight centers, and industrial applications.</p> <p>Mr. Palma's responsibilities as a Geotechnical Engineer include coordination of field personnel, communication with the client, generation of geotechnical engineering reports, evaluating laboratory soil testing, and scheduling and managing field personnel. Mr. Palma's responsibilities as a Construction Materials Engineer include coordination of field personnel, communication with the client, generation of daily logs and weekly status reports, training of technicians, evaluating laboratory and field construction materials testing data, and scheduling and managing field personnel.</p> |

Project experience includes:

- SH 365, Hidalgo County Regional Mobility Authority (HCRMA), Hidalgo County
- McIntyre Streetscape Brick Paving, City of Edinburg
- IBTC Corridor, Hidalgo County Regional Mobility Authority (HCRMA), Hidalgo County



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| <b>Project Personnel</b> | <b>Hilda S. Obregon Lease, PE – Subsurface Utility Engineering (SUE)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>License</b>           | Professional Engineer – TX, #95765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Education</b>         | BS in Civil Engineering, The University of Texas at Austin, 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Experience</b>        | <p>Ms. Lease has over eighteen years of professional civil engineering experience with an emphasis on subsurface utility engineering, roadway design, and project coordination. Ms. Lease's project experience ranges from schematic design to PS&amp;E preparation. She is well versed in all four quality levels of SUE: She has managed fieldwork and created test hole data reports on the non-destructive excavation of utilities (QL A), managed fieldwork on QL B designation of utilities using electromagnetic tools to mark indications of utilities on-site, created QL C utility maps integrating above-ground appurtenances that indicate the presence of a subsurface utility, and performed QL D research on records of underground private and public utilities.</p> |

Project experience includes:

- IH 410 / IH 35 SE, TxDOT South Region – SUE Manager. The scope of work includes SUE tasks for the widening of IH 410 / IH 35 and IH 410 / IH 10 interchanges in San Antonio. Hilda managed tasks include SUE Quality Levels C and D records research and survey.
- SH 365 PMC Project, Hidalgo County Regional Mobility Authority (HCRMA) – SUE Manager. The scope of work includes utility investigations for Quality Level A analysis for potential utility conflicts with the proposed design of SH 365. Level A Test Holes performed via non-destructive air vacuum excavation at 143 locations.
- IBTC – HCRMA Roadway System, Hidalgo County – SUE Manager. The scope of work includes utility investigations at Quality Level A through D for potential utility conflicts with 11 miles of proposed highway design. Deliverables included 84 Level A Test Hole Data Sheets and a detailed electronic CADD file showing all four levels of SUE investigation.
- FM 1847 from FM 106 to FM 2893 (TxDOT Contract No. 36-6IDP5220, Work Authorization No. 1 / SWA 1 to Work Authorization No. 1), Cameron County – SUE Manager. The scope of work includes Quality Level B surface geophysical investigation of underground utilities using electromagnetic pipe and cable locators yielded a total of 34,973 LF of utilities. Utilities were mapped per records research and per the above-ground survey of utility features. Future work includes approximately 120 SUE Quality Level A Test Holes.
- SH 107 from Business 77 to IH 69 E (TxDOT Contract No. 36-6IDP5140, Work Authorization No. 4), Cameron County – SUE Manager. The scope of work included utility investigations at Quality Level A for utility conflicts with the design process of along SH 107. Level A Test Holes performed via non-destructive air vacuum excavation at 21 locations including waterline,

- communication conduits, electric and gas
- Roft Road, San Antonio (Bexar County) – SUE Manager. Scope of work includes utility Mapping at Quality Level B, C, and D performed between Rockwall Mill Road and FM 471 for an approximate distance of 5100 LF. Surface geophysical investigation of underground utilities using electromagnetic pipe and cable locators yielded a total of 20,415 LF of utilities. Approximately 13,020 LF of utilities were mapped per records research and per the above-ground survey of utility features.
- FM 2986 from 300 feet north of FM 3239 (Buddy Ganem Drive) to US 181 Eastbound Frontage Road (TxDOT Contract No. 36-6IDP5257, Work Authorization No. 2), Corpus Christi – SUE Manager. The scope of work includes SUE Quality Level B, C, and D Services. Ms. Lease managed Level C and D records research and survey for an approximate distance of 35,000 LF. SUE Level B surface geophysical investigation of underground utilities using electromagnetic pipe and cable locators yielded a total of 70,000 LF of utilities. Future work includes SUE QL A services.
- Loop 1604: from IH 35 to IH 10 (TxDOT Contract No. 15-58DP5004, Work Authorization No. 1), San Antonio – SUE Manager. The scope of work includes utility Mapping at Quality Level C and D performed from IH 35 to IH 10 for an approximate distance of 8 miles. Quality Level B surface geophysical investigation of underground utilities using electromagnetic pipe and cable locators yielded a total of 43,668 LF of utilities. Utilities were mapped per records research and per the above-ground survey of utility features.



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| <b>Project Personnel</b> | <b>Marc Haws, P.G. – Geotechnical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Licenses</b>          | Professional Geoscientist, State of Texas, License No. 4316 (2003)<br>TCEQ Corrective Action Project Manager, License No. 425 (1994)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Education</b>         | B.S. Geology, University of Texas at Austin, 1986                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Experience</b>        | Mr. Haws has over 30 years of experience in environmental regulatory and consulting fields. He is a registered professional geoscientist (License No. 4316) and TCEQ Corrective Action Project Manager (CAPM No. 00425). His principal responsibilities at Ambiotec include business development, office management, supervision of other environmental professionals, and management of compliance projects. Technical expertise includes TRRP investigation and remediation projects, municipal solid waste compliance, leaking petroleum storage tank investigation and remediation, petroleum storage tank management, hazardous waste management, SPCC and industrial stormwater compliance, air permitting, and other projects relating to regulatory compliance issues. Before joining AEC, Mr. Haws served as an environmental specialist for the Texas Commission on Environmental Quality in the Rio Grande Valley. His principal duties at the TCEQ involved performing site inspections and overseeing contamination assessments and remediation projects associated with the state's Petroleum Storage Tank (PST) program. Also, Mr. Haws participated in the TCEQ's Hazardous and Solid Waste program and the implementation of federal RCRA regulations for industrial facilities. Other responsibilities included regulatory management, an inspection of municipal and industrial wastewater facilities, water quality monitoring of the Rio Grande River and Gulf Coast, emergency spill response, and complaint investigations. This extensive experience gives Mr. Haws valuable insight in dealing with the potential environmental and public health concerns associated with general environmental regulatory compliance issues |

Local government experience includes:

- City of Weslaco
- City of Brownsville
- City of Harlingen
- City of McAllen
- City of Edinburg
- City of La Feria
- City of Los Fresnos
- City of San Juan
- Brownsville Public Utilities Board
- Harlingen Water Works System
- Laguna Madre Water District
- Cameron County Irrigation District No. 2
- Housing Authority City of Brownsville
- Harlingen Housing Authority
- Brownsville-South Padre Island International Airport
- Valley International Airport



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| <b>Project Personnel</b> | <b>Rene R. Olivarez, PE – Mechanical, Electrical &amp; Plumbing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>License</b>           | Professional Engineer – TX, #12179<br>Fire Sprinkler License – TX RME-G-2353934<br>HVAC Contractor License, TX TACLA100226E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Education</b>         | Bachelor of Sciences from the University of Texas-Pan American                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Experience</b>        | Mr. Olivarez is a Mexican American and a graduate of Edinburg High School and obtained a Bachelor of Sciences from the University of Texas-Pan American. He received his license as a Professional Engineer from the Texas Board of Professional Engineers. He has extensive knowledge in preparation of engineering plans and specifications, energy studies, grant writing, bidding, facility assessments, energy conservation, quality control, statistical analysis, construction management, general contracting, estimating, contract negotiations. His latest work experience has been focused on projects with school districts and municipalities. Mr. Olivarez' background has given him the ability to successfully deliver with quality, on schedule, and budget on a diversity of projects. |

Local government experience includes:

- City of Edinburg, Onsite Standby Generator for Wastewater Plant Orbal Generator. Edinburg TX – Engineering services to survey equipment onsite, verify existing electrical conditions, provide engineering plans and specifications required for bidding, provide construction management from commencement to completion of the project, review submittals, operations, and warranty documents. (Est. Completion 6/20, Est. Cost \$200K)
- Edinburg CISD, Zavala Elementary Gym HVAC Replacements, Edinburg TX – Engineer of record for replacement of (4) 7.5 Ton split systems at Zavala Elementary gym. Our scope of services will include mechanical and electrical engineering. We will provide plans and specifications for bidding and construction administration. (Est. Completion 1/20, Est. Cost \$150K)
- Edinburg CISD, Boiler Replacements, Edinburg TX – Engineer of record for replacement of (2) boilers for HVAC system at Memorial Middle School. Our scope of services will include mechanical engineering. We will provide plans and specifications for bidding and construction administration. (Est. Completion 1/20, Est. Cost \$170K)
- PSJA ISD, Carnahan, Franklin & Buell HVAC Improvements to Gyms, Pharr, Texas – General Contractor & Project Manager (under RENOWORKS, LLC) for improvements at Carnahan, Franklin & Buell Gyms. The project included the installation of 20-ton package units and ductwork at each school's gym. Work at Carnahan included a new fire sprinkler system for approximately 19,000 SF, new LED lighting in the gym, a new pre-engineered liner system, new athletic synthetic flooring, column padding, complete painting of the gym. (Est. Completion 10/19, Est. Cost \$748K)
- City of Pharr, Emergency Communications Center IT Offices, Pharr, Texas – General Contractor & Project Manager (under RENOWORKS, LLC) for the addition of 9 new offices to the existing building renovation that will be used for the city's emergency communications center and the Information Technology staff. Scope of work included new metal stud walls with finish, doors and hardware, special systems, HVAC & lighting changes, and tile floor. (Est. Completion 10/19, Est. Cost \$70K)
- City of Edinburg, Downtown Water Plant Electrical Improvements, Edinburg, Texas – Engineer for replacement of motor control centers and lighting for the Downtown Water Plant in Edinburg TX. Gear controls the clarifiers, mixers, and pumps. (Est. Completion 1/20, Est. Cost \$226K)
- Edinburg CISD, Hargill Elementary Classroom Renovation, Edinburg, Texas – Engineer Project scope includes the addition of ten classrooms and renovation of the existing facility. The project will undergo phases. The first phase includes an assessment of the existing facility and renovation. RO Engineering was contracted as the consultant by Architect of record Negrete & Kolar Architects. (Est. Completion 12/19, Est. Cost \$5.5M)
- City of Edinburg, Edinburg Transit Terminal, Edinburg, Texas – Mechanical Engineer for construction of new two-story 18,000 SF facility that will serve as a Transit Terminal for the City of Edinburg. The HVAC System included DX package units and split systems. Plumbing systems include sewer and grease waste, domestic water, small pump for the elevator, and instantaneous water heaters. RO Engineering was contracted as an MEP consultant by Architect of record Negrete & Kolar Architects. (Est. Completion 5/19)
- City of Edinburg, Los Venados Booster Station, Edinburg, Texas – engineer for replacement of pumps and electrical panels for 129,000-gallon water tank serving Los Venados Subdivision. The existing booster tank, pumps, and piping will be demolished and replaced with a new tank, pumps, and electrical. (Est. Completion 5/19, Est. Cost \$450K)
- City of Pharr, City of Pharr HVAC Replacements City Wide, Pharr, Texas – Mechanical Engineer for assessment of the city's building HVAC systems. Prepared mechanical designs to replace and upgrade HVAC systems to higher efficiency units with new building automation systems. HVAC improvements were proposed for the Pharr Police Department, Memorial Library, Pharr International Bridge, and Tierra Del Sol Golf Course building. (Est. Completion 5/19, Est. Cost \$875K)
- City of Pharr, Pharr Sports Complex & Witten Park Sports Lighting, Pharr, Texas – Electrical Engineering services provided for replacement of existing sports lighting. Prepared electrical designs for new LED sports lighting at Witten Park and Pharr Sports

Complex. A total of 23 wood poles and 95 sports lights were removed at Sports Complex and 16 wood poles and 62 sports lights were removed at the Witten Park, and replaced with 14 new concrete poles and 163 new LED sports lights at Sports Complex and 7 new concrete poles and 90 new LED sports lights at Witten Park. (Est. Completion 2/19, Est. Cost \$165K)

- City of Edinburg, Edinburg Police Dept. Training Facility, Edinburg, Texas – Construction Project manager for the construction of a new 10,000 SF facility that will serve as the Police Department Training Facility for the city of Edinburg. Reviewed construction documents, submittals, RFIs, construction progress, payment applications, and closeout documents. The architect of Record was ERO Architects and the general contractor was Candela Organization. (Est. Completion 3/17, Est. Cost \$1.22M)
- Mission CISD, Mission High School Tennis Court Lights & Canopy, Mission, Texas – General Contractor & Project Manager for the installation of 24 LED Musco sports lights and construction of 145ft canopy for the walkway at the Mission High School tennis courts. The canopy was 12ft wide, 10ft tall, constructed with galvanized bolted steel. The structural engineer was Chanin Engineering. (Est. Completion 5/18, Est. Cost \$368K)
- Edinburg CISD, Barrientes CTE Welding Shop, Edinburg, Texas – General Contractor & Project Manager for the renovation of Career & Technology Education shop. Included replacement of the HVAC system, upgrade electrical power for 10 new welding booths, demolition of walls and doors, installation of new doors, ceiling, flooring, and new LED lighting. The School district performed in-house architectural design. (Est. Completion 7/18, Est. Cost \$270K)
- City of Alamo, Solar LED Street Lights, Phase 2, Alamo, Texas – Engineer for installation of 40 solar LED street lights on the west side of Tower Rd. from Business 83 to Nebraska Street which covered approximately one mile. Included photometric lighting design, topographical survey, site plan, and construction administration. RO Engineering served as the engineering consultant to Enviro Group Solutions. (Est. Completion 2/16, Est. Cost \$384K)
- Weslaco ISD, Weslaco ISD Energy Conservation Project with Savings Guarantee, Weslaco, Texas – Project Manager & Independent 3rd party engineer for energy conservation project with savings guarantee for the Weslaco ISD. After one-year savings were calculated to be \$698,683.31. During the design and buildout, we reviewed contract documents, reviewed savings calculations, payment applications, project schedule, RFI, Submittals, performed site inspections, reported findings to the board of trustees. The project scope included redesign, retrofit, and commissioning of HVAC systems at Weslaco High School, East High School, Mary Hoge Middle School, B. Garza Middle School, Cuellar Middle School, Margo Elementary, Ybarra Elementary, Roosevelt Elementary, Sam Houston Elementary, Gonzalez, Elementary, Sylva Elementary, CATE, Central Middle School, and the Aquatic Center. HVAC Systems included DX package units (Est. Completion 2/16, Est. Cost \$12.8M)
- Edinburg CISD, Edinburg North HS Cooling Tower Replacement, Edinburg, Texas – Engineer for replacement of (3) cooling tower, (3) Pumps, and new piping at the Edinburg North High School. Three new Evapco towers were 500 tons each with two 30 HP pumps and one 10 HP pump serving existing chillers. A new pipe was converted from steel to schedule 80 PVC pipe with new valves. New towers included walkway, frequency drives, and replacement of all electrical wires and disconnects. (Est. Completion 6/17, Est. Cost \$620K)
- Edinburg CISD, Edinburg North HS Athletics Building HVAC Assessment, Edinburg, Texas – Engineer for assessment of ventilation system at Boys & Girls athletics Edinburg North High School, a total of 36,500 SF. Ran loads on exhaust fans and outside air on all air handlers. Analyzed temperature and humidity readings and assessed the condition of existing equipment and made recommendations to resolve airflow issues and comply with current building codes. The report was provided to district staff and findings & recommendations presented to the board of trustees. (Est. Completion 2/17, Est. Cost \$250K)
- Edinburg CISD, Edinburg North HS Boys Athletic Lockers Renovation, Edinburg, Texas – General Contractor and Project Manager for the renovation of existing Boys Athletic Locker Rooms. Included demolition of dividing walls, removed chain-link fencing partitions and replaced with new wire mesh panels for each locker area, a demo of lockers concrete base and reconstructed base for new lockers, removed benches, repaired flooring, constructed new video review room, installed new rubber flooring with school logo, new drinking fountains, and replaced 10 nonworking exhaust fans. (Est. Completion 9/17)
- City of Edinburg, Pump Station No.1 Standby Generator, Edinburg, Texas – Engineer and project manager for replacement of 300kVA standby generator at Pump Station No.1 which serves 3 utility pumps, 150HP, 100HP, and 50HP. We also coordinated the burial of 140LF of overhead power line with AEP and the installation of a new transformer on a concrete pad. (Est. Completion 12/17 Est. Cost \$240K)
- Edinburg CISD, Ag Farm Renovation, Edinburg, Texas – General Contractor & Project Manager for the renovation of the ECISD Ag Farm Facility. Scope encompassed demolition and renovation of the old railing, fencing, water lines, sand, and light fixtures and disposal offsite. The renovation included new fencing, approved sand, LED light fixtures, and water line dispensers. (Est. Completion 3/16, Est. Cost \$160K)
- City of Harlingen, Pendleton Park Trail LED Lighting, Harlingen, Texas – Engineer and General Contractor for installation of 63 new LED Lights on 20 ft wood poles at Harlingen's Pendleton Park new jogging Trail. Construction work was completed in partnership with RENO Sport Seating. Scope encompassed electrical, lighting and civil design, structural design, construction, and project management. (Est. Completion 9/15)
- Mercedes ISD, Demolition and reconstruction of Stadium Bleachers, Mercedes, Texas – Engineer, General Contractor & Project manager. The project scope included the demolition of the old tiger stadium consisting of approximately 4000 seats in the home



side bleachers. Reconstruction included 1000 seat grandstand at Mercedes High school practice field and 500 seat grandstands at Chacon MS. Shop drawings were completed, and foundations were designed for new bleachers with re-claimed steel. (Est. Completion 5/16, Est. Cost \$205K)

- City of Edinburg, Dustin M. Sekula Library Standby Generator, Edinburg, Texas – Engineer and project manager for replacement of 500kVA standby generator at Dustin M. Sekula Library. The generator included a 48hour fuel tank and a CMU enclosure with stucco finish. Construction documents were provided and contracted Metro Electric as the contractor. (Est. Completion 10/15)
- Edinburg CISD, Texas Cool Schools Grant, Edinburg, Texas – While employed by Edinburg CISD, the principal of the firm and Engineer completed and submitted the Texas Cool Schools Grant. Among 59 candidates the highest amount was awarded to the ECISD for a \$2.0 M. Project scope included the retrofit of the HVAC systems at eleven (11) campuses having an age of 10 years or greater. Equipment replaced included: (4) water cool chillers, (1) cooling tower, (16) frequency drives, (43) rooftop units, and (242) split systems. The grant was fully funded by the State Energy Conservation Office (SECO). The estimated project savings was \$237K. (Est. Completion 8/12)

| PROJECT TEAM CREDENTIALS       |                           |            |          |           |                                                                                                       |
|--------------------------------|---------------------------|------------|----------|-----------|-------------------------------------------------------------------------------------------------------|
| Key Personnel                  | Project Role              | Education  |          |           | Professional Registration                                                                             |
|                                |                           | Bachelor's | Master's | Doctorate |                                                                                                       |
| Ricardo Pedraza, MS, PE        | Project Manager           | ◆          | ◆        |           | PE – TX #113193                                                                                       |
| Javier Martinez, Jr., PE, CFM  | Deputy Project Manager    | ◆          |          |           | PE – TX #116932 / Certified Floodplain Manager – #3279-17N                                            |
| Ahmed Abd-El-Meguid, Ph.D., PE | QA/QC Manager             | ◆          | ◆        | ◆         | PE – TX #104874                                                                                       |
| Candido Bocanegra, PE          | Construction Management   | ◆          |          |           | PE – TX #18498                                                                                        |
| Laura Fuller, PE, RAS          | TDLR Coordination         | ◆          |          |           | PE – TX #92927 / Registered Accessibility Specialist – TX #1256                                       |
| Kishore Juluru, PE, PTOE, RAS  | Traffic Signals           | ◆          | ◆        |           | PE – TX #100219 / Professional Traffic Operations Engineer – #2688                                    |
| Saritha Padhirae, PE, RAS      | Traffic Control           | ◆          | ◆        |           | PE – TX #110173 / Registered Accessibility Specialist – TX #1519                                      |
| Guillermo Martinez, PE, CFM    | Drainage / H&H            | ◆          |          |           | PE – TX #95786 / Certified Floodplain Manager – #2212-11N                                             |
| Amparo Ortega, PE              | Utility Relocation Coord. | ◆          | ◆        |           | PE – TX #103686                                                                                       |
| Ruben Calderon, RPLS           | Survey / ROW Mapping      | ◆          |          |           | Registered Professional Land Surveyor – TX #5109                                                      |
| Denise Granado Chavez          | Public Involvement        | ◆          |          |           | LEED AP and CEM Training                                                                              |
| Raymond Gignac, AIA, CID       | Architectural             | ◆          |          |           | Architectural - TX #6296                                                                              |
| Juan Mujica                    | Architectural             | ◆          |          |           | Associate AIA                                                                                         |
| Rene R. Olivarez, PE           | MEP                       | ◆          |          |           | PE – TX #102302 / Fire Sprinkler License, TX RME-G-2353934 / HVAC Contractor License, TX TACLA100226E |
| Marc Haws, PG                  | Environmental             | ◆          |          |           | Professional Geoscientist TX #4316                                                                    |
| Andres Palms, PE               | Geotechnical              | ◆          |          |           | PE – TX #115936                                                                                       |
| Hilda S. Obregon Lease, PE     | SUE                       | ◆          |          |           | PE – TX #95765                                                                                        |

In addition to the project team above, CONSOR has 30 CADD professionals on our Texas staff in which the majority are graduates of the Texas State Technical College (TSTC) in Harlingen, Texas. We actively recruit staff from local universities, such as TSTC and The University of Texas – Rio Grande Valley.



*Mr. Candido Bocanegra, PE, CFM  
UTRGV visit on December 3, 2019*



*Mr. Rick Pedraza, MS, PE and Mr. Javier Martinez, Jr., PE,  
CFM at a UTRGV visit on December 3, 2019*

## Ability to Satisfy DBE Requirement

### Recommendations from Prior Projects

CONSOR, formerly AIA Engineers, Ltd. (AIA) started as a DBE firm in 1985 and graduated from the DBE program in 2015. CONSOR is a DBE program champion and is a perfect example of paying it forward by aspiring to partner with DBE firms to support the DBE program that once supported AIA.

In 2016, CONSOR legacy firm AIA Engineers was selected for the City of Houston Professional Services Architecture & Engineering Certified Contractor of the Year Award at the Annual Champions of Diversity Awards Ceremony for our commitment to the DBE program as a prime contractor. The Champions of Diversity Awards Ceremony honors prime contractors, as well as Minority, Women, Small, and Disadvantaged Business Enterprises (MWSDBEs) for their outstanding performances on the City of Houston contracts. As a DBE and non-DBE prime contractor with the City, AIA continually exceeded the DBE contract goals by utilizing firms on projects and continues to do so as a graduate of the program.



### Responsiveness to DBE Involvement and Goals

**RODS Surveying, Inc.** is a Disadvantaged Business Enterprise (DBE) certified through the City of Houston. Established in July 1994, RODS is backed by more than 35 years of specialized experience and performance commitment to professional land surveying for parcel maps, legal descriptions, ROW maps, design surveys, and horizontal/vertical control for aerial mapping. RODS staff is proficient in MicroStation for Digital Terrain Modeling (DTM), and all field vehicles are accredited with State compliance safety equipment, as well as state-of-the-art instruments to accommodate a minimum of ten crews. RODS has 15 dual-frequency global positions system (GPS) receivers, and Total Stations are utilized separately to enhance surveying capabilities. RODS operates and maintains a Continuously Operating GPS Reference Station (CORS) at their main office, located in Spring, Texas. The CORS is a part of the National Geodetic Surveys Cooperative CORS Network – data is collected 24/7 and is published to the internet daily for public use.

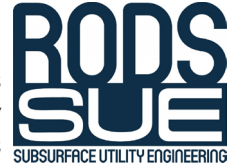


Since 1998, RODS has had multiple Evergreen contracts within the TxDOT Pharr District, and hundreds of Work Authorizations (WAs) issued under those contracts. RODS served as a sub-consultant for the TxDOT Statewide for Border Safety Inspection Facilities Environmental Assessment for Eight Bridge Locations in the El Paso, Pharr, and Laredo Districts, as well as surveying services for US 83 Improvements in Hidalgo/Cameron County, US 281 field surveying and photogrammetry, and US 77 in Willacy County for design and construction surveys for bridge design for five overpass structures. Local project experience includes:

- TxDOT/City of Mission FM 396 Anzalduas Road Extension from GSA, 0.73 Miles South of FM 1016 North on New Location to Bryan Road at 0.72 Miles South of Trinity Road (3.74 Miles), Hidalgo County: The ROW Data scope of service included obtaining right-of-entry, abstracting, ownership deeds and easements, deed sketches, calculations of existing row lines, calculations of proposed row lines and parcels, ROW mapping, parcel plats, parcel metes and bounds descriptions and deliverables according to TxDOT guidelines. This project involved 33 ROW map sheets for a length of 19,747 LF and 22 parcels.
- US 83 Expressway: Inspiration Road Overpass Reconstruction from 0.4 Miles West of Inspiration Road to 0.5 Miles East of

Inspiration Road, Hidalgo County: The scope of services included topographic utility location and establishing control. RODS established a benchmark circuit, obtained cross-sections from field surveying, ground topography, culverts, fences, mailboxes, and sign inventory. Pavement markings, stake design baseline, and deliverables which include GPS- BM sketches, Digital level files, Ascii XYZ.txt file, 2D, 3D, DTM, TIN, and DAT files, Ascii As- staked file, field books, and Ascii files. This project involved five ROW map sheets for a length of 5,016 LF and 7 parcels.

**RODS Subsurface Utility Engineering, Inc.** is a Disadvantaged Business Enterprise (DBE) certified through the City of Houston. RODS SUE, Inc. is an innovative Women/Minority-owned civil engineering firm with dedicated professionals committed to providing the highest quality engineering services and solutions. RODS SUE, Inc. has experience and performance in all four quality levels of Subsurface Utility Engineering: utility research, utility survey, utility designation, and utility location via non-destructive vacuum excavation. Their professional staff is committed to providing economical quality deliverables and being easily accessible to our client and our team.



Project experience includes:

- SL 375 from US 62/180 to Bob Hope, TxDOT El Paso District – SUE QL B, C, and D
- FM 1847 from FM 106 to FM 2893, TxDOT Pharr District – SUE QL A and B
- Loop 20 Stimulus Project, TxDOT Laredo District – SUE QL A
- IH 35, Webb County, TxDOT Laredo District – SUE QL A, B, C, and D
- SH 365 PMC Project, Hidalgo County Regional Mobility Authority (HCRMA) – SUE QL A
- IBTC – HCRMA Roadway System, Hidalgo County – SUE QL A, B, C & D
- Loop 1604, Phase I and II, TxDOT San Antonio District – SUE QL A, B, C, and D
- FM 2986, TxDOT Corpus Christi District – SUE QL A, B, C, and D
- IH 410 at IH 35 S at IH 410 at IH 10 E, TxDOT San Antonio District – SUE QL B
- Westside Creeks Improvements Project, San Antonio River Authority (SARA) – SUE QL B, C, and D
- Evans Road, Alamo Regional Mobility Authority (ARMA), Bexar County - SUE QL B, C, and D
- DeZavala Road: UPRR to Lockhill, City of San Antonio – SUE QL A
- Auldine and Burr Oak Drainage, City of San Antonio – SUE QL A, B, C, and D

**Millennium Engineers Group, Inc. (MEG)** is a Disadvantaged Business Enterprise (DBE) certified firm. Established in 2001 on principles of honesty, integrity, and services, MEG's goal is to provide innovative geotechnical and materials testing services while continuing to raise the level of quality in the local profession and to make a difference in the community. MEG provides a full range of integrated geotechnical engineering and consulting services, construction materials engineering and testing, forensic testing, and consulting services. MEG is accredited by the American Association of State Highway and Transportation Officials (AASHTO) and meets the requirements for ASTM E329 Standard of Recommended Practice for Inspection and Testing Agencies, maintaining yearly proficiency testing samples to AASHTO, TxDOT, and TxAPA. MEG has a Pharr office location, as well as a Harlingen office location.



Project experience includes:

- North Alamo Road Realignment, Hidalgo County, TxDOT Pharr District (CSJ 0921-02-311) – CEI services including construction management, project inspection, construction materials testing, and record-keeping of heavy-duty HMA pavement construction and utilities, new construction.
- Mile 6 West Road, Hidalgo County, TxDOT Pharr District (CSJ 0921-02-420) – CEI services including the project inspection and construction materials testing of heavy-duty HMA pavement construction and utilities, reconstruction, and widening.
- FM 190, Dimmit County, TxDOT Laredo District (CSJ 0963-01-032) – Quality control of heavy-duty HMA pavement construction, full reconstruction.
- SH 285, Brooks County, TxDOT Pharr District (CSJ 0482-01) – Quality control of heavy-duty HMA pavement construction, overlay.
- Military Highway, Hidalgo County, TxDOT Pharr District (CSJ 0255-09-094) – Quality control of heavy-duty rigid pavement construction, full reconstruction.
- Owassa Road, Expressway 281 to Jackson Road, Hidalgo County, TxDOT Pharr District (CSJ 0921-02-140) – Quality control of heavy-duty HMA pavement construction, full reconstruction.
- FM 2061, Sam Houston Road to Expressway 281, Hidalgo County, TxDOT Pharr District – Quality control of heavy-duty MHMA pavement construction, widening, and median.



**Ambiotec Group** is a full service environmental and engineering firm that offers both public and private sector clients effective solutions to challenging environmental problems. Ambiotec was established in 1986 and has offices in Harlingen, Texas, and Brownsville, Texas. Our areas of expertise include EPA and TCEQ permitting and compliance services; NEPA assessments; wetland delineation and permitting; landfill management; hazardous and municipal solid waste management; feasibility studies and design of remedial actions; risk assessments; environmental remediation; and environmental site assessments (Phase I, II & III).



Ambiotec's experience covers both national and international projects, including risk assessment and hazardous waste regulatory support for the U.S. EPA; development of environmental impact assessment methodologies for Mexico's SEMARNAP; remedial design/remedial action at superfund projects for the Texas Commission on Environmental Quality (TCEQ); design and evaluation of stormwater treatment areas for the Sugar Cane League in Florida; development and implementation of regional water resource systems planning model for the World Bank in Cyprus; and, wastewater treatment plant facility planning and design for the International Boundary and Water Commission in Northern Mexico. Locally, Ambiotec has performed environmental service projects in all areas of the Rio Grande Valley, including NEPA environmental reviews for projects funded by the U.S. Department of Housing and Urban Development (HUD); landfill compliance monitoring for the City of Brownsville, and cost analysis of municipal wastewater treatment plant improvements for the City of McAllen and Laguna Madre Water District.

- City of Brownsville/Valley Baptist Legacy Foundation, Environmental Assessment - Palo Alto Battlefield Trail Extension - Ambiotec performed a NEPA Environmental Assessment (EA), in conjunction with the U.S. National Park Service (NPS), relating to the proposed construction of a 1.5-mile extension of the Brownsville Historic Battlefield Trail on NPS property. The project included a review of potential impacts to environmental resources associated with the construction and future use of a 10-ft wide trail, including biological resources, cultural resources, and water resources. Also, Ambiotec performed wetlands permitting through the U.S. Army Corps of Engineers, coordination with TxDOT for a Multiple Use Agreement (MUA), and consultation with other federal and state agencies including U.S. Fish & Wildlife Service, Texas Parks & Wildlife Department, and Texas Historical Commission.
- Environmental Assessment and Wetland Permitting – Henderson Rd. Expansion, City of Los Fresnos - Ambiotec performed a NEPA Environmental Assessment (EA) relating to the proposed widening of Henderson Road at two crossings of the Resaca De Los Cuates. The project included a wetlands delineation activity and wetlands permitting review through the U.S. Army Corps of Engineers. The EA evaluated potential impacts to environmental resources associated with the construction activity, including biological resources (e.g., threatened and endangered species, wildlife, etc.), cultural resources, water resources, and soil resources. Also, Ambiotec performed consultations with other federal and state agencies including U.S. Fish & Wildlife Service, Texas Parks & Wildlife Department, and Texas Historical Commission.
- Environmental Review – Port of Harlingen Roadway Improvements, Port of Harlingen - Ambiotec performed a NEPA Environmental Review following Texas Department of Transportation (TxDOT) guidelines and on-line tools relating to the rehabilitation of existing roads and the construction of new truck parking areas at the Port of Harlingen. The project included completing TxDOT's on-line documentation including Scope Development Tool Form, CE Determination Form, Biological Evaluation Form, and Hazardous Materials Evaluation Form. Ambiotec also performed consultations with federal and state agencies including International Boundary & Water Commission, U.S. Fish & Wildlife Service, Texas Parks & Wildlife Department, Texas Commission on Environmental Quality, and Texas Historical Commission.
- Environmental Assessment - Poinsettia Gardens Housing Development, Housing Authority City of Brownsville - Ambiotec prepared NEPA Environmental Assessment (EA) documentation relating to the construction of a new public housing project in Brownsville, Texas for the Housing Authority City of Brownsville (HACB). The EA document was completed following U.S. Housing and Urban Development (HUD) guidelines and included an assessment of standard environmental resources as well as potential impacts on public transportation, emergency services, school populations, and water/wastewater services. No environmental impacts were anticipated for the project. Ambiotec compiled documentation required to meet the NEPA EA requirements, including completion of HUD checklists and attachments of supporting data.
- Several TDHCA Phase I ESAs for Potential Housing Developments, Housing Authority City of Brownsville, Community Development Corporation of Brownsville, South Texas Collaborative for Housing Development - Ambiotec performed several Phase I ESAs on vacant tracts across the Rio Grande Valley relating to the construction of new public housing developments. All projects were performed to ASTM standards and were additionally investigated following requirements provided by the Texas Department of Housing and Community Affairs (TDHCA) with funding assistance through the U.S. Department of Housing and Urban Development (HUD). Each project included surveys of noise sources, potential explosion hazards, and potential hydrocarbon vapor encroachment.
- Environmental Assessment – Wastewater Treatment Plant Expansion, Brownsville Public Utilities Board - Ambiotec prepared NEPA Environmental Assessment (EA) documentation relating to the expansion of a wastewater treatment plant for the U.S. Environmental Protection Agency (EPA). The EA document was completed following EPA guidelines and included an assessment of potential impacts on environmental resources including air emissions, water quality, noise, odor, solid waste, environmental justice, biological resources, and cultural resources. No environmental impacts were anticipated for the project.



**Gignac & Associates, LLP (d.b.a Gignac | Architecture Construction Management)**

has been serving Texas with Architectural, Interior and Landscape Design Services since 1988 when it was established by Raymond Gignac, AIA (Texas Registration 6296). The company is classified as a limited liability partnership. Gignac | Architecture Construction Management is a full-service firm providing planning expertise in educational, institutional, municipal, and commercial work with an emphasis on quality design. They provide three office locations, in Corpus Christi, Harlingen, and McAllen to better serve South Texas clients with quick, responsive expertise.



Raymond Gignac, Principal-in-Charge, brings over 30 years of experience in Texas, New Mexico, California, Washington D.C., Virginia, and Maryland in all aspects of Architectural practice. Raymond personally oversees quality, cost control, and commitment to project deadlines. With this leadership, the Gignac team has successfully completed educational and commercial projects of all sizes—on time and budget.

Gignac | Architecture Construction Management employs a full staff of design and construction professionals to promote quality in overall project management. They will commit the workforce necessary to complete your projects within the designated schedule. Each project team is tailored to address the unique challenges and opportunities to ensure a successful project. Gignac & Associates, LLP has successful experience with projects from a wide range of construction projects, including new construction and renovations or additions, and an estimated 75% of our workload involves complex additions and renovations. They have extensive experience in transforming existing structures into high-performance buildings with new purposes.

Gignac | Architecture Construction Management is a Minority Business Enterprise and a Historically Underutilized Business (HUB) in the State of Texas. Our design team has no pending litigation at this time, and is not for sale, or involved in any transactions.

Since 1988, Gignac & Associates, LLP has taken pride in providing a full range of services to meet the needs of our clients and to communicate both graphically and personally. We have the technology to transmit digital images from the job site to our offices, as well as to our clients instantaneously, via digital imaging.

**RO Engineering, PLLC** was founded on November 25, 2009, by Rene R. Olivarez, P.E. RO Engineering strives to deliver the highest quality of professional engineering and construction management services by focusing on innovative and cost-effective solutions, quality, deliver on-time, and customer service. Also, by conducting business with integrity and hard work, they have built long-term relationships with their customers in the institutional, governmental, industrial, and commercial sectors.



## **Tab 4: References**

## REFERENCES

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### References from recent work:

City of El Paso

Elizabeth B. Reyes, PE, Capital Improvements Department - Engineering Division Manager

218 N. Campbell St., Second Floor, El Paso, TX 79901

P: 915.212.1877

reyeseb@elpasotexas.gov

Arterial Lighting and Landscape Enhancements along three arterial roadways (Cotton St., Railroad Dr., & Pellicano Dr.)

City of Houston

Sam Habibi, PE, Project Manager

611 Walker St., Houston, TX 77002

P: 832.395.2283

Sam.Habibi@houstontx.gov

Engineering services for Tanglewood Subdivision rehabilitation

City of San Antonio

James Wucinski, PE, Project Manager

Attn: TCI Contract Services

P.O. Box 839966, San Antonio, TX 78283-3966

P: 210.207.7042

James.Wucinski@sanantonio.gov

Engineering Services for Enrique Barrera Parkway (Old Hwy 90) Corridor Phase 1

City of Sugar Land

Jason Vaughn, PE, PTOE, Project Manager

101A Gillingham Lane, Sugar Land, TX 77478

P: 281.275.2490

jvaughn@sugarlandtx.gov

Engineering services for Soldier's Field Drive Extension

City of Missouri City

Kevin Cummings, Traffic Operations Manager

1522 Texas Parkway | Missouri City, TX 77489

P: 281.403.8593

Kevin.Cummings@Missouricitytx.gov

On-Call Traffic Engineering Services

Harris County Public Infrastructure Department

Michael Turner

1001 Preston, 7th Floor, Houston, TX 77002

P: 713.755.7026

michael.turner@hcpid.org

Greenhouse Road from North of Alston Hills Drive to South of East and West Towne Lake Green Trail, Harris County



# Capital Improvement Department

**MAYOR**  
Dee Margo

March 5, 2020

---

**CITY COUNCIL**

**District 1**  
Peter Svarzbein

**District 2**  
Alexandra Anello

**District 3**  
Cassandra Hernandez

**District 4**  
Dr. Sam Morgan

**District 5**  
Isabel Salcido

**District 6**  
Claudia L. Rodriguez

**District 7**  
Henry Rivera

**District 8**  
Cissy Lizarraga

---

**CITY MANAGER**  
Tommy Gonzalez

To Whom It May Concern:

CONSOR completed the design for Arterial Lighting and Landscape Enhancements along 3 arterial roadways (Cotton St., Railroad Dr. & Pellicano Dr.) within the City of El Paso (COEP). The design included 7.3 mi of continuous illumination with median landscape improvements (where applicable). The project was prepared according to COEP guidelines. CONSOR met with local stakeholders and residents through public meetings and incorporated feedback into the design. The project was ultimately let with a construction cost of \$8.7 M.

At the request of the City, CONSOR added 18,000' of ITS conduit for future use and met with residents to inform them on the responsibility of the resident to maintain any landscaping proposed within the parkway. Written or verbal "buy in" from the residents was noted and archived for the COEP.

CONSOR is currently assisting with construction phase services for this project and has been quick to respond construction submittals and RFIs.

CONSOR performed very well on this project and met all of the City's needs and concerns and delivered the project on-time and within budget. Their performance on this project has been outstanding as it has been on past projects. We consider their staff very professional, knowledgeable, highly skilled and cooperative and we would be pleased to have CONSOR Engineers, LLC perform other work for us in the future.

Sincerely,

Elizabeth B. Reyes, PE  
City of El Paso  
Capital Improvements Department  
Engineering Division Manager

**Sam Rodriguez, P.E. – City Engineer / Managing Director**  
Capital Improvement Dept., 218 N. Campbell, El Paso, TX 79901



DELIVERING EXCEPTIONAL SERVICES





## Public Works

---

1522 Texas Parkway  
Missouri City, Texas 77489

Phone: 281.403.8500  
[www.missouricitytx.gov](http://www.missouricitytx.gov)

March 12, 2020

To Whom It May Concern:

CONSOR (formerly AIA Engineers) has been providing engineering services to the City of Missouri City since 2006. Most recently, they have provided on-call traffic engineering services to the City since 2014 under two separate contracts (repeat selection).

CONSOR's work on these on-call contracts has included more than 40 work authorizations which have included traffic data collection, signal and stop warrant analysis, safety and capacity improvements, school zone analysis, median modifications, intersection restriping, sight distance analysis, pavement markings, signage evaluations, parking capacity improvements, gateway population sign design, and construction cost estimates.

Most of these work authorizations stemmed from concerns of residents in the City, and we called upon CONSOR to analyze situations within a short time period and provide recommendations.

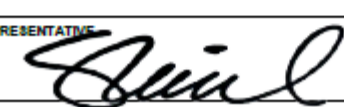
CONSOR has performed very well on these contracts, met all the City's needs and concerns, and delivered the projects on-time and within budget. We consider their staff very professional, knowledgeable, highly skilled and cooperative, and we would be pleased to have CONSOR Engineers, LLC perform other work for us in the future.

Sincerely,

Kevin Cummings  
Traffic Operations Manager  
City of Missouri City

# **Tab 5: Insurance and Required Forms**

# CERTIFICATE OF INSURANCE

| ACORD®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                    | CERTIFICATE OF LIABILITY INSURANCE |                                 | 12/31/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          | DATE (MM/DD/YYYY)<br>8/17/2020                                                                                                                                                                                                                      |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
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| <p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p> <p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p> |                                                                                                                                                                                                                                                                                                                    |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| <b>PRODUCER</b> Lockton Companies<br>Three City Place Drive, Suite 900<br>St. Louis MO 63141-7081<br>(314) 432-0500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                    |                                    |                                 | <b>CONTACT</b><br>NAME:<br>PHONE (A/C, No, Ext):<br>FAX (A/C, No):<br>E-MAIL:<br>ADDRESS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| <b>INSURED</b> 1407115 Consor Engineers, LLC<br>14142 Denver West Parkway, Suite 250<br>Lakewood CO 80401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                    |                                    |                                 | <table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td colspan="2">INSURER A: Lexington Insurance Company</td> <td>19437</td> </tr> <tr> <td colspan="2">INSURER B: Hartford Insurance Co of the Midwest</td> <td>37478</td> </tr> <tr> <td colspan="2">INSURER C: Great American Insurance Company</td> <td>16691</td> </tr> <tr> <td colspan="2">INSURER D: Manufacturers Alliance Insurance Company</td> <td>36897</td> </tr> <tr> <td colspan="2">INSURER E: Pennsylvania Manufacturers' Assoc Ins Co</td> <td>12262</td> </tr> <tr> <td colspan="2">INSURER F: AXIS Surplus Insurance Company</td> <td>26620</td> </tr> </tbody> </table> |                          |                                                                                                                                                                                                                                                     |  | INSURER(S) AFFORDING COVERAGE |  | NAIC # | INSURER A: Lexington Insurance Company |  | 19437 | INSURER B: Hartford Insurance Co of the Midwest |  | 37478 | INSURER C: Great American Insurance Company |  | 16691 | INSURER D: Manufacturers Alliance Insurance Company |  | 36897 | INSURER E: Pennsylvania Manufacturers' Assoc Ins Co |  | 12262 | INSURER F: AXIS Surplus Insurance Company |  | 26620 |
| INSURER(S) AFFORDING COVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                    | NAIC #                             |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER A: Lexington Insurance Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                    | 19437                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER B: Hartford Insurance Co of the Midwest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                    | 37478                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER C: Great American Insurance Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                    | 16691                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER D: Manufacturers Alliance Insurance Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                    | 36897                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER E: Pennsylvania Manufacturers' Assoc Ins Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                    | 12262                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSURER F: AXIS Surplus Insurance Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                    | 26620                              |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| <b>COVERAGES</b> CERTIFICATE NUMBER: 16153106 REVISION NUMBER: XXXXXXXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                    |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| <p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                    |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| INSR LTR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                  | ADDL SUBR INSD WVD                 | POLICY NUMBER                   | POLICY EFF (MM/DD/YYYY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | POLICY EXP (MM/DD/YYYY)  | LIMITS                                                                                                                                                                                                                                              |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER: | N N                                | 035417916                       | 12/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/31/2020               | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000<br>MED EXP (Any one person) \$ XXXXXXXX<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>\$ |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                                              | N N                                | 84 UEN AA5246                   | 12/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/31/2020               | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$ XXXXXXXX<br>BODILY INJURY (Per accident) \$ XXXXXXXX<br>PROPERTY DAMAGE (Per accident) \$ XXXXXXXX<br>\$ XXXXXXXX                                                 |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED RETENTION \$                                                                                                                       | N N                                | TUE 3274463 00                  | 12/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/31/2020               | EACH OCCURRENCE \$ 10,000,000<br>AGGREGATE \$ 10,000,000<br>\$ XXXXXXXX                                                                                                                                                                             |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| D E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                             | Y/N N/A                            | 0468405Y (AOS)<br>0468405B (HI) | 12/31/2019<br>12/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12/31/2020<br>12/31/2020 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                            |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Professional & Environmental Liability                                                                                                                                                                                                                                                                             | N N                                | EBZ634816/51/2019               | 12/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/31/2020               | \$10,000,000 per Claim<br>\$10,000,000 Aggregate<br>Deductible: \$150,000                                                                                                                                                                           |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                    |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |
| <b>CERTIFICATE HOLDER</b><br>16153106<br>For Informational Purposes Only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                    |                                    |                                 | <b>CANCELLATION</b> See Attachment<br>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br>AUTHORIZED REPRESENTATIVE:                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                                                                                                                                                                                                                                                     |  |                               |  |        |                                        |  |       |                                                 |  |       |                                             |  |       |                                                     |  |       |                                                     |  |       |                                           |  |       |

Attachment Code: D545910 Master ID: 1407115, Certificate ID: 16153106



For Informational Purposes Only

**To whom it may concern:**

In our continuing effort to provide timely certificate delivery, Lockton Companies is transitioning to paperless delivery of Certificates of Insurance.

To ensure electronic delivery for future renewals of this certificate, we need your email address. Please contact us via one of the methods below, referencing Certificate ID **16153106**.

- Email: [STL-edelivery@lockton.com](mailto:STL-edelivery@lockton.com)
- Phone: (866) 728-5657 (toll-free)

If you received this certificate through an internet link where the current certificate is viewable, we have your email and no further action is needed.

In the event your mailing address has changed, will change in the future, or you no longer require this certificate, please let us know using one of the methods above.

***The above inbox is for providing e-Delivery email addresses for next year's renewal certificates ONLY. Your information will be input within 90 days.***

Thank you for your cooperation and willingness in reducing our environmental footprint.

**Lockton Companies**

**Lockton Companies**  
Three CityPlace Dr, Suite 900 / St. Louis, MO 63141-7088  
314-432-0500 / [lockton.com](http://lockton.com)



## STATEMENT OF CONFLICTS OF INTEREST

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**CONSOR Engineers, LLC** and key employees do not have any potential conflicts of interest regarding these services. There are no conflicts or any working relationships that may be perceived by disinterested parties as a conflict.

## SYSTEM FOR AWARD MANAGEMENT

---

**CONSOR Engineers, LLC** and company principals are not debarred or suspended from the Excluded Parties List System (EPLS) in the System for Award Management (SAM). Enclosed is a printout of the search results (including record date) as verification that the company and its principals are not listed (are not debarred) through the System for Award Management ([www.SAM.gov](http://www.SAM.gov)).



**A NEW WAY TO SIGN IN** - If you already have a SAM account, use your **SAM email** for login.gov.

 [Log In](#)

[Login.gov FAQs](#)

 **ALERT:** SBA connectivity is experiencing an outage. For questions about small business size status, users should return later or contact SBA directly ([www.sba.gov](http://www.sba.gov)).

 **ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 09/12/2020 from 8:00 AM to 1:00 PM.

## Entity Dashboard

Conzor Engineers, LLC  
DUNS: 837528298 CAGE Code: 097N7  
Status: Active  
Expiration Date: 08/28/2021  
Purpose of Registration: All Awards

2121 Old Hickory Tree Rd  
Saint Cloud, FL, 34772-8937 ,  
UNITED STATES

› [Entity Overview](#)

› [Entity Registration](#)

› [Core Data](#)

› [Assertions](#)

› [Reps & Certs](#)

› [POCs](#)

› [Exclusions](#)

› [Active Exclusions](#)

› [Inactive Exclusions](#)

› [Excluded Family Members](#)

[RETURN TO SEARCH](#)

### Entity Overview

#### Entity Registration Summary

**Name:** Consor Engineers, LLC  
**Business Type:** Business or Organization  
**Last Updated By:** Paul Foster  
**Registration Status:** Active  
**Activation Date:** 08/28/2020  
**Expiration Date:** 08/28/2021

#### Exclusion Summary

**Active Exclusion Records?** No



IBM-P-20200814-1154  
WWW2

[Search Records](#) [Disclaimers](#) [FAPIS.gov](#)  
[Data Access](#) [Accessibility](#) [GSA.gov/IAE](#)  
[Check Status](#) [Privacy Policy](#) [GSA.gov](#)  
[About](#) [USA.gov](#)  
[Help](#)

This is a U.S. General Services Administration Federal Government computer system that is "FOR OFFICIAL USE ONLY." This system is subject to monitoring. Individuals found performing unauthorized activities are subject to disciplinary action including criminal prosecution.

# CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

## OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

N/A

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

\_\_\_\_\_  
Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☐ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7   
\_\_\_\_\_  
Signature of vendor doing business with the governmental entity

09/02/2020

\_\_\_\_\_  
Date



## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, CONSOR Engineers, LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



Signature of Contractor's Authorized Official

Janice Kruse, PE      President

Printed Name and Title of Contractor's Authorized Official

September 10, 2020

Date

## **FORM 1295**

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Form 1295 shall be completed at time of signed contract submission if CONSOR Engineers, LLC is awarded.

## **REQUIRED CONTRACT PROVISIONS**

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Should CONSOR Engineers, LLC be awarded a contract, applicable provisions enclosed in Exhibit D shall be included in a contract executed as a result of this RFQ.

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
DATE & TIME:**  
September 10, 2020 at  
3:00 PM

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2020 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFoemlJcjZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,   
hrhodes@weslacotx.gov

Purchasing Agent

**Acknowledged by Firm:**



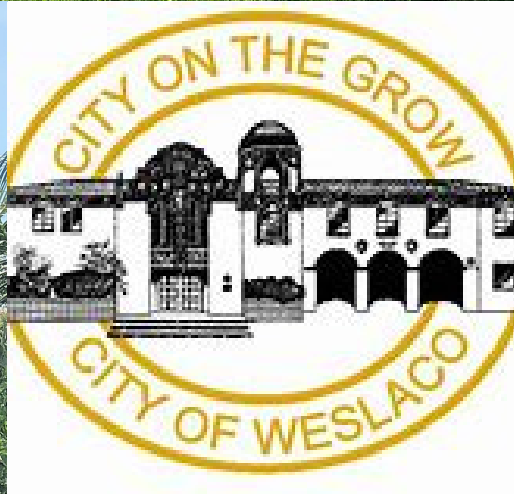
**date:** 09/10/2020



**281.493.4140**

**[www.consoreng.com](http://www.consoreng.com)**





Statement of Qualifications for  
**City of Weslaco**  
**Engineering/Architectural/  
Surveying Services**

for Community Development Block Grant Mitigation (CDBG-MT)

**RFP 2019-20-24**

**September 10, 2020**







September 10, 2020

City of Weslaco  
Homer Rhodes  
Purchasing Manager  
255 S. Kansas Ave.  
Weslaco, Texas 78596  
Attn: Homer Rhodes, Purchasing Department

Re: RFQ 2019-20-24 CDBG-MIT Engineering/Architectural/Surveying Services for Community Development Block Grant Mitigation (CDBG-MIT)

Dear Mr. Rhodes,

Halff Associate, Inc. (Halff) is proud to present our statement of qualifications in response to the City of Weslaco's (the City) Request for Qualifications for Engineering/Architectural/Surveying Services for the - Community Development Block Grant Mitigation (CDBG-MIT) Program (RFQ). Halff has teamed with Millennium Engineering Groups (MEG), a local, registered Historically Underutilized Business, on this pursuit. Referred hereafter as the Halff Team, we bring the grant application assistance and engineering design expertise of Halff Associates and the geotechnical engineering support of MEG. We have the knowledge, experience, expertise and capacity to provide all the grant application assistance, planning, engineering, architectural, surveying, environmental, bidding services, construction oversight, and geotechnical services needed to help Weslaco obtain funding assistance from the **Community Development Block Grant Mitigation (CDBG-MIT) and CDBG-DR funds.**

We have the depth of resources and capability to perform all of the items listed in the scope of services. We are currently working on several local, CDBG-funded projects. As such, we have a clear understanding of program requirements and efficiencies in place to streamline the process. We understand that the City is looking for a consultant to deliver a CDBG-MIT-funded project and the work may include pre- and post-funding activities such as project evaluations, project application support, survey, geotechnical engineering, environmental studies, right-of-way acquisition services, cost estimates, permitting, plan and profile preparation, study preparation, H&H modeling, bidding services, and construction administration.. We pride ourselves on providing innovative strategies to complex projects with the goal of implementing the best and most cost-effective solution. Our team is structured to provide the services requested by the City. We commit to leveraging the experienced professionals referenced in this submittal as well as other qualified resources and subject matter experts.

The Halff Team confirms that it meets the state licensing requirements to practice as an architectural and engineering firm in Texas. Both Halff Associates, Inc. and MEG are registered with the Texas Board of Professional Engineers and Land Surveyors ( TBPELS) and are in good standing. Halff is also registered with the Texas Board of Architectural Examiners. We are committed to producing a quality product for our clients and do not have a record of substandard work. We take our position as industry leaders seriously and do not engage in unethical practices. In 2017 Halff was honored with the Better Business Bureau (BBB) Torch Award for Ethics in the large business category. This award is given by the Better Business Bureau and the Dallas Business Journal to the top firm that exhibits high ethical standards and integrity among its employees, clients, and communities.

We appreciate the opportunity to be of service to the City of Weslaco. If you have any questions concerning this proposal, please feel free to contact me, Miles Bullion, at (956) 445-5202 or [mbullion@halff.com](mailto:mbullion@halff.com).

Sincerely,  
Halff Associates, Inc.

A handwritten signature in blue ink, appearing to read "Miles Bullion", is written over a light blue circular stamp.

Miles Bullion, PE, CFM, PMP  
Vice President

HALFF ASSOCIATES, INC.  
5000 WEST MILITARY, SUITE 100  
MCALLEN, TX 78503

TEL (956) 664-0286  
FAX (956) 664-0282

[WWW.HALFF.COM](http://WWW.HALFF.COM)

# TABLE OF CONTENTS



## EXPERIENCE

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| Transmittal Letter                                                           |    |
| Company Profile.....                                                         | 1  |
| Experience and Qualifications .....                                          | 2  |
| Technical Scope of Work and Approach .....                                   | 2  |
| Experience with Public Works Construction Including Mitigation Projects..... | 4  |
| Experience with Federally-Funded Construction Projects .....                 | 4  |
| List of Past Local Government Clients.....                                   | 5  |
| Past Projects .....                                                          | 6  |
| Ability to Produce a High-Quality Work Product .....                         | 9  |
| Capacity to Perform .....                                                    | 10 |
| Resources and Availability.....                                              | 10 |
| Key Personnel Resumes.....                                                   | 12 |
| Professional Liability Insurance.....                                        | 14 |
| References .....                                                             | 23 |

## APPENDIX

|                                                     |    |
|-----------------------------------------------------|----|
| Professional Liability Insurance .....              | 24 |
| Statement of Conflict of Interests .....            | 25 |
| System for Award Management (SAM) Verification..... | 26 |
| Conflict of Interest Questionnaire (Form CIQ) ..... | 27 |
| Certification Regarding Lobbying .....              | 28 |
| Required Contract Provisions .....                  | 29 |
| Addendum No. 1 Acknowledgment .....                 | 30 |





# COMPANY PROFILE

Halff is an employee-owned full-service engineering and architecture firm headquartered in Richardson, Texas. The firm provides services throughout the Southeast from 25 offices in Texas, Arkansas, Oklahoma, Louisiana and Florida. The firm's staff of 1,000 includes engineers, architects, planners, scientists, and surveyors. Halff is ranked #106 in Engineering News-Record magazine's list of the top 500 design firms in the United States. The firm was founded in Dallas in 1950 by Albert H. Halff, PhD-Eng., PE. Today, Halff preserves Dr. Halff's legacy of integrity, dedication to client service, and commitment to quality. We are a progressive firm committed to providing value with creative solutions to design challenges.

**ENR**  
**TOP 500**  
**RANKING**  
**№106**

Our people are individuals with diverse, yet complementary, professional backgrounds. Most of our professional staff have been with Halff their entire career and have grown knowing the commitment to quality which is the cornerstone of the firm. We know this attribute, more than any other, allows us to maintain a loyal client base. We are members of a company built on integrity, technical knowledge, and commitment to client service.

## The Halff Advantage

Halff has assembled a highly qualified team with a proven history of working together and specialized experience in all aspects of the anticipated hazard mitigation projects.

The Halff team will provide superior services to assist the City with obtaining and managing the various components of flood and drainage related grants, as well as the subsequent implementation and oversight of improvement projects. *We have assisted communities secure nearly \$75 million in grant funds to implement floodplain and drainage projects throughout Texas.* We stay current on all mitigation grant programs to ensure clients are eligible to apply and are competitive when they do.

Our team is committed to the success of the City's assignments and will apply our knowledge and experience to:

- Ensuring appropriate experienced staff are available
- Using the best available data and modeling software
- Providing project design, cost estimates, and benefit-cost analysis for applications
- Understanding the regulatory and permitting requirements associated with the project and the CDBG-MIT and CDBG-DR grant funding.
- Developing complete, thorough, and compliant grant applications
- Ensuring that projects reduce flood risk and provide community, economic, and environmental benefits



### EXPERIENCE WITH FEDERAL FUNDING

Halff has significant experience working on projects funded by CDBG-DR, NRCS, and FEMA. These projects included design and construction management of channel improvements, storm sewer systems, detention basins, neighborhoods and major roadways.



### RESPONSIVENESS

With our office in the Rio Grande Valley area, Halff can provide emergency on-site response to challenges requiring expertise within hours; thereby, ensuring your projects continue moving on schedule.



### FULL SERVICE FIRM

Halff is a local, full-service firm providing civil engineering services. We offer in-house support services to ensure that all aspects of your projects are checked for quality prior to submittal for review.



# EXPERIENCE AND QUALIFICATIONS

## TECHNICAL SCOPE OF WORK AND APPROACH

Halff understands the critical nature of delivering grant projects on time, due to time constraints related to funding. Halff believes understanding the scope and identifying and addressing any potential issues early in the design process is critical to delivering a successful project in a timely manner. Proposed project manager, *Miles Bullion, PE*, has experience managing storm water design projects for Weslaco and Hidalgo County Drainage District No. 1. Technical Lead for the Halff team, *Josh Logan, PE, CFM*, has experience managing planning studies and modeling for the cities of Weslaco, McAllen, Alton, Pharr, Hidalgo County, Hidalgo County Drainage District No. 1 and Cameron County. This experience helps the team to identify the project scope/objectives, potential obstacles, budgetary constraints, and team members in the beginning and plan accordingly. Halff will always consider the City's goals and objectives for the project every step of the way. Elements critical to the project's success include:

### Pre-Funding Services (Grant Planning and Development)

Preparing the CDBG-MIT application takes a blend of planning and engineering expertise. Our experts are ready to work with City staff and the grant Administrator to quickly prioritize projects based on the CDBG-MIT eligibility and scoring criteria. The application must clearly describe the project scope in a way that defines the mitigation benefits, identifies the low to moderate Income population benefitted by the project and creates an understanding of the project need. Kristina Leal and Cindy Engelhardt, grant planning and development task leaders, have extensive experience working with cities to prepare federal grant applications, including the project scope, budget, project map(s), as well as defining proposed project service/impact areas. Halff has extensive experience with the full FEMA benefit cost analysis approach. Our understanding of how federal agencies look at project benefits will help us tailor project descriptions to maximize the benefits and make Weslaco's project score as high as possible.

### Post-Funding Services Initial Engineering and Design (Drainage Analysis)

Drainage analysis is critical to the success of the project. If the City has already performed a drainage study for the project area, we will review the drainage analysis and update it with survey data to reflect current conditions. We will report our findings to the City as well as any other changes to alternatives that are required for the product to be

successful. If a drainage analysis has not been completed by the city and is needed for the project, we will engage our H&H experts to perform a detailed study to understand existing conditions and develop alternatives that are feasible, constructible, and provide the necessary level of service. Our engineers at Halff have extensive experience with a variety of stormwater and riverine models. We have conducted urban stormwater and riverine studies for the cities of Weslaco, McAllen, Alton, Pharr, Hidalgo County, Hidalgo County Drainage District No. 1 and Cameron County, as well as studies for the TWDB and GLO across the region. We have developed projects that were initiated as a study and have progressed through design and construction phase services, giving us valuable experience in the full project life-cycle. We have worked on many studies that were funded through HMGP, FEMA, GLO, and TWDB.

Throughout the drainage analysis process, we will meet with the City to present findings and discuss alternatives that will lead to a successful project. We will also identify any easements that are needed for the project. If needed, we are prepared to help the City conducting public meetings to inform residents of the potential project and to obtain feedback and buy in so that residents understand what the project benefits are, timeline of the project, and potential disruptions. At the completion of the study, we will prepare a drainage report which summarizes the project methodology, assumptions, results, alternatives, cost estimates, recommendations, and project phasing to the City. We will work with the City to determine the path forward for the design of the project. For the drainage report, we can work with the City to include schematics of the proposed alternative to set the direction for design.

### Engineering and Final Design

Halff has completed several drainage and road improvements projects the design of the Bicentennial Boulevard Extension Project in north McAllen, Bicentennial Ditch widening and bridge improvements Project for the City of McAllen, and the design of Bond Project 24 that creates 3 detention ponds, widens and extends several existing drainage ditches, and calls for the construction of a 70 cfs pump to discharge into the International Boundary and Water Commission Floodway in northeast Weslaco, Texas. The projects varied in scope and size from \$4,700, 000 to \$15,000,000 construction costs. Halff has a large public work presence in the region along with several other offices throughout the company and can work-share if needed. The work sharing program enables us to pull resources to meet design schedules with firm deadlines. We have



The Halff project manager takes ownership of their work and does everything to ensure quality plans and specifications are produced. Listed below are the key issues Halff anticipates addressing for this project:



- **Right-of-Way (ROW):** Halff will provide an extensive review of the existing ROW and provide insight and any ROW acquisition, permitting, and coordination efforts required. ROW can be the critical path item for projects that require property acquisition. Halff has experience identifying and acquiring necessary easements for projects. Halff will study the project area and identify any ROW needed to accomplish the project goals. In addition, Halff has experience permitting projects through many local entities including but not limited to: IBWC, TxDOT, Union Pacific, Hidalgo and Cameron County Irrigation District No.9, Donna Irrigation District, Hidalgo County Drainage District No.1, and other local government agencies.



- **Utility Conflicts:** Halff will perform surveying and SUE to identify potential utility conflicts that may impact the proposed project. Public and private utility data will be obtained and evaluated along the route. Halff will work with the City to ensure that utility relocations are identified early and performed before construction.



- **Impacts to adjacent property owners:** The proposed project will be designed to have minimal impacts to adjacent property owners along improvements (trees, landscaping, etc.). Halff will evaluate the proposed infrastructure and design the project to go hand-in-hand with the traffic control plan, minimizing disruption to residents during construction. The traffic control plan will consider phasing of the project as well as access for residents to their homes. While there will be some disruption during construction, if the impacts can be mitigated during design, residents' issues during construction will be minimized.



- **Constructability:** Halff will review the project at every submittal stage to ensure the proposed infrastructure is constructible. Halff has experience working with local contractors to provide peer reviews before bidding the project to ensure the project is constructible and any major issues are resolved prior to advertising.



- **Schedule:** Halff will hold a kickoff meeting with the City to discuss project goals, deliverables and schedule. After the initial evaluation and project walk through, Halff will allocate the necessary resources from internal staff. Halff will produce an initial schedule that will be updated monthly as the project progresses. Halff will identify critical path items on and any parallel work activities that be accomplished to ensure the project remains on schedule. Halff understands that there are times a project may need to be put on hold for various of reasons, and the project team will be flexible during these times while keeping the project on budget. We will begin working with the City on the acquisition of ROW for easements and temporary construction easements and to hold a public meeting to discuss the project schedule and goals with residents. Halff will prepare exhibits showing the project extents and design timeline. We will meet regularly with the City to discuss progress on the design or study.



- **Public Outreach:** Halff understands that public outreach is critical for success of any project or study. Halff will work with the City to conduct an initial public meeting to inform the residents of the project goals and schedule. Halff will review any comments received in the public meeting and ensure the study or design reflect those comments.



- **Risks:** Halff will identify any potential risks and design changes or further evaluation, if necessary. These may include conflicts with existing private and public utilities. Risks will be ranked based on the potential impact to the project in the future. Some risks may not warrant delaying the project, because they will ultimately have a minimal impact on the end product. These risks should be identified and recorded but will have minimal time spent on evaluating them.



- **Budget:** Halff understands that budget should always be considered when making design decisions, and will continually update construction costs as the project progresses to ensure we stay on budget. Halff also has experience delivering value engineering to ensure the project falls within the programmed budget without hindering the functionality of the project.

completed a variety of projects in the region in the last few years including: roadway, neighborhood paving, highway, channel improvements, embankments, detention basins, bridge replacements, neighborhood drainage improvements, and storm sewer improvements.

## **Bidding and Construction**

Our Team can aid in preparing the bid packet and support during the construction phase services including periodic site visits/inspection, interpretation of plans and specifications, pay estimate review, review of shop drawings and change orders, preparation of as-built drawings, oversight of testing services, and final inspection and certification that the project was constructed in accordance with approved plans and specifications.

The Halff Team will assist the City during the bid phase with services that include:

- Assisting with the pre-bid conference;
- Responding to contractor questions, provide bid clarifications and addenda as required;
- Submitting permit applications; and
- Evaluating bid and recommending award to lowest responsive bidder.

Handling construction issues proactively is important to project success. Resolving construction items in a quick and effective manner requires the engineer to have adequate expertise and to communicate well with the contractor and City staff. The Halff Team has extensive experience effectively resolving issues during construction. We will provide construction support including, but not exclusive to:

- Assisting the City with pre-construction conference;
- Attending regular construction progress meetings and periodic/as-needed site observation;
- Reviewing shop drawing submittals, RFIs, and change order requests;
- Assisting the City with substantial and final inspections; and
- Preparing record drawings and CAD files based on field changes.

Upon construction completion, the Halff Team will provide support to the City by evaluating deficiencies during the warranty period of the project and conduct survey of the improvements to provide documentation for, and coordination with, the General Land Office.

## **EXPERIENCE WITH PUBLIC WORKS CONSTRUCTION INCLUDING MITIGATION PROJECTS**

Halff is known locally and state-wide as drainage experts and has performed numerous H&H studies and drainage improvement designs in the region. Halff's reputation for being one of the leading firms in the drainage field stems from years of innovation and delivering quality projects. Halff has worked with several clients in the region including, but not limited to: City of Weslaco, City of McAllen, City of Alton, City of Pharr, Hidalgo County, Hidalgo County Drainage District No. 1 and Cameron County, as well as studies for the TWDB and GLO across the region. Additionally, Halff has significant experience working on projects that were funded by CDBG-DR, NRCS, and FEMA. These projects included design and construction management of channel improvements, storm sewer systems, detention basins, neighborhoods and major roadways. This experience gives Halff an advantage and insight on federally funded drainage projects.

Listed below are projects Halff has worked on recently that were federally funded with CDBG-DR funds:

- Brazoria County (CDBG-DR) - Halff analyzed over 10 potential project sites in under a month and provided a recommended project to the Commissioners to apply for funding to the GLO. This process was expedited due to the application deadline.
- Mercer Botanic Gardens Drainage Improvements (CDBG-DR)
- Harris County Drainage Grant Projects - Lake Shadow Subdivision (CDBG-DR)
- City of Houston Spellman Detention Basin 404 Permitting (CDBG-DR)

## **EXPERIENCE WITH FEDERALLY-FUNDED CONSTRUCTION PROJECTS**

Halff has experience in both managing and applying for federally funded local projects in the past 2 years. Most recently, Halff worked with Brazoria County to pursue a detention basin project on Oyster Creek, which will be funded by Hurricane Harvey CDBG-DR. The GLO approved approximately \$11,000,000 to Brazoria County for the project on June 10, 2020. Halff was instrumental in identifying, evaluating, and applying for the project. Halff was also very responsive when working with the GLO to

resolve any questions and/or issues which resulted in the project approval. Halff obtained federal funding through the Hazard Mitigation Grant Program, administered by the Texas Department of Emergency Management, for the construction of a flood mitigation project for Mariposa Ranch in La Feria, Texas for Cameron County. This project provided protection to 57 homes in a 33 acre subdivision. The project scope included the H&H studies, schematic plans, and estimates of construction.

## LIST OF PAST LOCAL GOVERNMENT CLIENTS

Halff has provided grant application assistance and/or engineering services to the following governmental clients. In some case, the projects that Halff worked on were funded in whole or part with federal funds from sources like the General Land Office (GLO), Department of Housing and Urban Development (HUD)- Community Development Block Grant (CDBG), Environmental Protection Agency (EPA), United States (US) Army Corp of Engineers, Department of Homeland Security, General Services Administration (GSA), US Economic Development Administration (EDA), US Department of Justice, and the Federal Emergency Management Administration (FEMA).

- |                       |                                                  |                                              |
|-----------------------|--------------------------------------------------|----------------------------------------------|
| ■ City of Weslaco     | ■ City of Harlingen                              | ■ Cameron County                             |
| ■ City of McAllen     | ■ City of Los Fresnos                            | ■ Cameron County Regional Mobility Authority |
| ■ City of Pharr       | ■ City of La Feria                               | ■ Texas Department of Transportation (TxDOT) |
| ■ City of Edinburg    | ■ City of South Padre Island                     | ■ Texas Water Development Board (TWDB)       |
| ■ City of Donna       | ■ City of Rio Grande City                        | ■ Texas Juvenile Justice Department          |
| ■ City of Alton       | ■ Hidalgo County                                 |                                              |
| ■ City of Mission     | ■ Hidalgo County Drainage District No. 1 (HCDD1) |                                              |
| ■ City of Hidalgo     | ■ Hidalgo County Regional Mobility Authority     |                                              |
| ■ City of San Juan    |                                                  |                                              |
| ■ City of Brownsville |                                                  |                                              |

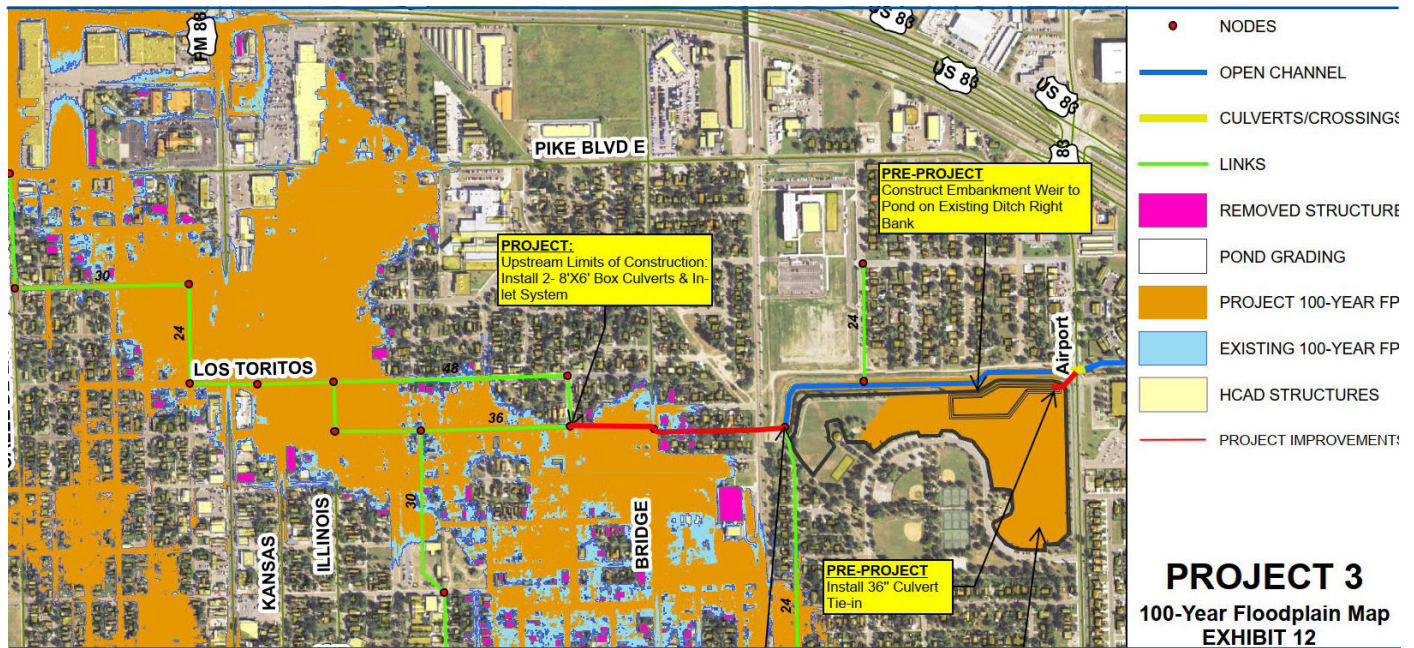
Notable projects that show Halff's experience providing engineering/architectural/surveying services to public clients for public works construction and design projects of the same type expected to be awarded as a result of this solicitation are included in the following pages. The majority of project examples included were funded in whole, or part, by federal funds.

The services Halff provided for the following projects included a combination of following services as part of our service contract:

- |                                                                                                              |                                                                                            |                                                                        |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| ■ Coordination with client, design team, construction company, grant administrator, and various stakeholders | ■ Technical specifications                                                                 | ■ Value engineering                                                    |
| ■ Periodic status reports to client                                                                          | ■ Utility coordination                                                                     | ■ Assistance with pre-construction meeting                             |
| ■ Initial Engineering and Design Support                                                                     | ■ Permitting                                                                               | ■ Contract Management and Construction Oversight                       |
| ■ Engineering and Final Design Support                                                                       | ■ Environmental studies and clearance                                                      | ■ Change Order review and evaluation                                   |
| ■ Grant application assistance                                                                               | ■ Construction cost estimates                                                              | ■ Respond to Contractor Requests for Information                       |
| ■ Environmental review                                                                                       | ■ Project schedules                                                                        | ■ Construction Observation                                             |
| ■ Surveying services                                                                                         | ■ Right-of-way acquisition services and mapping                                            | ■ Review of Contractor Pay Application                                 |
| ■ Preliminary/ schematic design                                                                              | ■ Easement surveys                                                                         | ■ General review of Contractor Compliance with Contractual Obligations |
| ■ Cross sections/ elevations                                                                                 | ■ Plan and construction documents                                                          | ■ As-built drawings                                                    |
| ■ Plans and profiles                                                                                         | ■ Bid documents preparations                                                               | ■ Certification of Completion                                          |
| ■ Hydraulic and hydrologic modeling                                                                          | ■ Bid and Award Support, including bid evaluation, bid tabulation and award recommendation |                                                                        |
| ■ Floodplain mapping                                                                                         | ■ Assistance with pre-bid proposal meetings                                                |                                                                        |
| ■ Route studies                                                                                              |                                                                                            |                                                                        |



# PAST PROJECTS



## Weslaco Stormwater Improvement Plan Weslaco, Texas

### PROJECT DETAILS

#### Scope of Services

Flood studies, Stakeholder Organization, Project Prioritization, Cost-Benefit Analysis, Grant Management

#### Completion

5/2/2019

#### Reference

Mike Perez  
255 S. Kansas Ave  
(956) 968-3181  
mrperez@weslacotx.gov

#### Funding Source

Local Funding

The City of Weslaco had conducted a high-level city-wide drainage master plan in 2015 that laid out some improvements to address flooding within the City. The scope of this study was limited to the outfall ditches and called for a more in-depth look at areas within that were experiencing chronic flooding. After experiencing two major storm events that flooded several homes across the City, Halff was tasked with developing a more detailed hydraulic and hydrology study of the City's system to develop a list of capital improvement projects that would reduce the flood risk within the City.

The Halff team of engineers provided the professional services needed to assess the flood risks located within the City of Weslaco City Limits utilizing the previous studies and known areas of flooding concern. The Halff team has collected a comprehensive inventory of existing drainage data and developed accurate flood modeling simulations for the existing conditions using InfoWorks ICM. (Integrated Catchment Modeling). Halff is developed conceptual alternatives for ten different flood-prone areas identified through the existing conditions model and confirmed by the City of Weslaco staff and the City's Drainage Advisory Committee. These alternatives were evaluated within the model and cost estimates were developed for use in prioritizing the City's drainage CIP. The solutions will be prioritized by the City Drainage Committee and used by the City for a possible drainage bond election and/or other local, state or federal funding programs.





## Mile 9 N & FM 10152018 Bond Referendum Project #24

Weslaco, Texas

### PROJECT DETAILS

#### Scope of Services

Civil Engineering,  
Structural Engineering,  
Water Resources

#### Completion

Ongoing

#### Reference

Raul Sesin, PE, CFM  
General Manager  
Hidalgo County Drainage  
District No. 1  
902 N Doolittle  
Edinburg, TX 78542  
956-292-7080  
raul.sesin@hcdd1.org

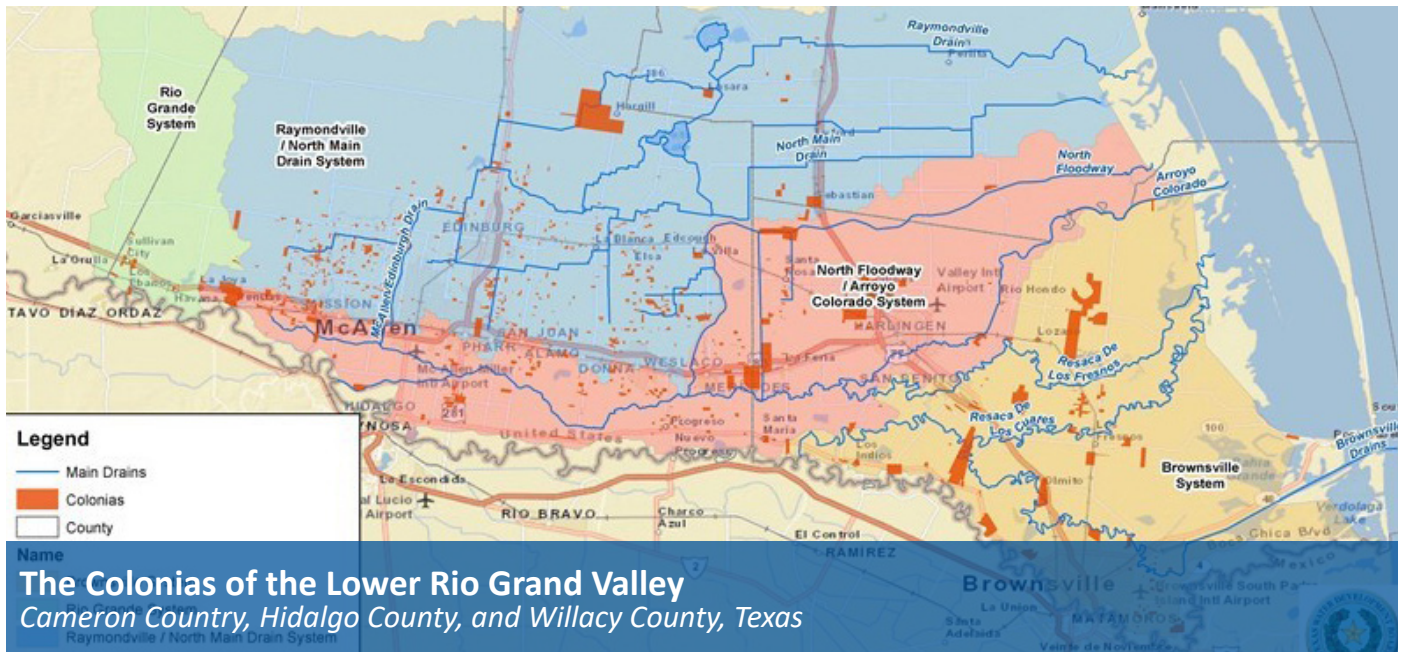
#### Funding Source

2018 HCDD1 Drainage Bond

Halff Associates is assisting Hidalgo County Drainage District No. 1 with improving the drainage facilities for a 4.5 square mile drainage basin prone to structural flooding. The improvements consist of ditch widening (2 miles) and rerouting (0.4 miles), culvert and storm sewer enlargement, detention pond construction (totaling 36 acres) and pump station construction (2-70 cfs vertical turbine pumps). Halff performed a drainage analysis of pre and post-improvement conditions.

Halff completed the conceptual design for all the improvements of the project before being approved to proceed with the final design. Halff also outlined the easements that would be needed for construction and provided parcel boundary surveys for use by HCDD1's right-of-way department. Halff performed an architectural survey of improvements by the irrigation canals as part of their environmental coordination on this project. Subsequently, a permit from the IBWC was obtained for construction of the proposed pump station at the IBWC levee. To date Halff has developed construction bid documents for three (3) of the four (4) project bid packages. The design of the large pump station at the IBWC levee was designed and put out to bid earlier this summer. The final bid package is being submitted for final approval.

The project required collaboration between the client – Hidalgo County Drainage District No. 1, Halff Associates, Raba Kistner Consultants (geotechnical engineer), City of Weslaco, U.S. International Boundary and Water Commission, Hidalgo and Cameron Counties Irrigation District No. 9, North Alamo Water Supply Company, Magic Valley Electric Cooperative and American Electric Power.



### PROJECT DETAILS

#### Scope of Services

Complex hydrologic and hydraulic (H&H) analysis, drainage improvements, floodplain mapping, InfoWorks ICM, 2D modeling, GIS inventory and database development, alternatives analysis, cost estimating, agency coordination

#### Completion

10/9/2016

#### Reference

Kathy Hopkins  
Texas Water Development Board (TWDB)  
1700 North Congress Avenue, Austin, Texas 78711  
(512) 463-6198  
kathy.hopkins@twdb.texas.gov

#### Funding Source

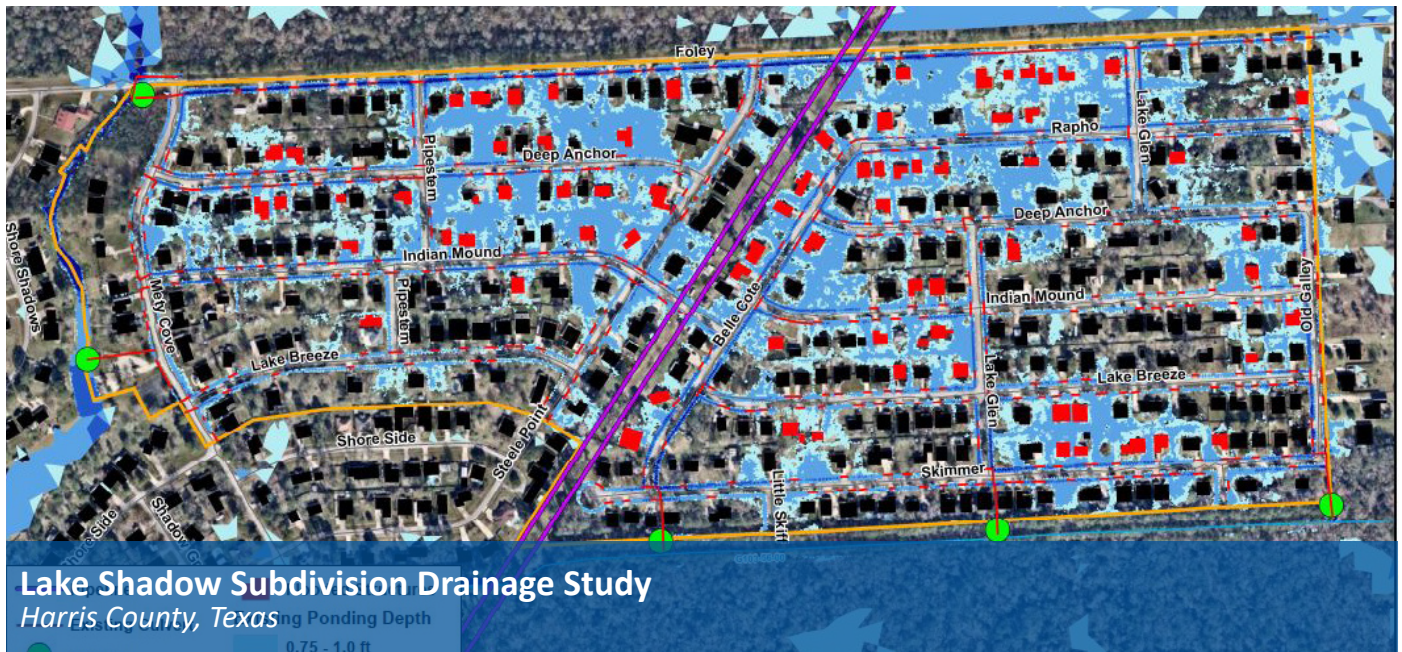
GLO, TWDB

The purpose of this Stormwater Drainage Planning project was to develop the necessary drainage planning required to "... examine the infrastructure needs in the Colonias, in particular the use of Community Development Block Grant (CDBG) disaster recovery funds to provide drainage improvements to correct flooding problems in the wake of Hurricane Dolly, and the historical provision of public infrastructure and housing assistance to meet those needs in border and non-border Colonias." The project area was defined as the Colonias in the Lower Rio Grande Valley (LRGV) area, consisting of Cameron County, Hidalgo County and Willacy County. The project goal was to examine the drainage infrastructure needs of the Colonias and identify drainage study and infrastructure gaps that need to be filled in order address the drainage issues.

The project focused on the evaluation of all Colonias (1039) as defined by the Office of the Secretary of State (SOS) and the Attorney General of Texas Office (OAG). This Stormwater Drainage Planning project was conducted in three phases. The first phase was compilation of existing data to assess the needs of the Colonias (Phase 1A). The second phase was the refinement of the Colonias assessment (Phase 1B). The purpose of the assessment was to ultimately identify the Colonias with the greatest need for drainage study and infrastructure necessary to address local drainage issues. The assessment process was established due to the limited available funding necessary to identify and provide solutions for all Colonias. Following the conclusion of Phase 1B, it was found that remaining resources were available to conduct Localized (H&H) Analysis on approximately 75 individual Colonias out of the 400 visited Colonias.

Nearing the completion of Phase 1B, the team was directed to initiate a localized analysis of four Colonias. The goal of this sample analysis was to define the methodologies of the hydrologic and hydraulic analysis, the mitigation alternatives and documentation of the recommended conceptual plans, for use in completing the remaining localized analysis. Based on limited regional systems data, the local analysis of Colonias assumed the receiving main drainage systems were at full capacity. The sample analysis of the first 4 Colonias was a success; therefore, the General Land Office (GLO) and TWDB approved proceeding with the (Phase 2) analysis of the remaining 71 Colonias analysis.





## PROJECT DETAILS

### Scope of Services

Drainage study, preliminary engineering report, development of construction plans, specifications and estimates including assistance with bid and construction phase services

### Completion

Ongoing

### Reference

Florin Viradi  
 Harris County Engineering Department  
 1001 Preston, 7th Floor,  
 Houston Texas, 77002  
 (713) 274-3587  
[florin.varadi@eng.hctx.net](mailto:florin.varadi@eng.hctx.net)

### Funding Source

CDBG-DR

Halff has a work-order contract that allows HCED to assign projects and studies as needed. The projects are funded by CDBG-DR funds and are managed by Harris County's Resiliency Department.

The Lake Shadows Subdivision was originally developed in 1962. It is in the San Jacinto River Watershed. The subdivision is bound to the west by Lake Houston, to the north by Foley Road, to the south by HCFCD Unit No. G103-56-00, and to the east by undeveloped land. The Lake Shadows Subdivision drains west into Lake Houston and south into HCFCD Unit No. G103-56-00. There are gas pipelines that bisect the study area. The subdivision contains primarily single-family residences. None of the 324 homes in the study area are within the 100-year or 500-year floodplain.

The Lake Shadows Subdivision experienced structural flooding during recent storm events. The type of structures impacted are residential single-family homes. Between Hurricane Harvey and Tropical Storm Imelda, 50 structures within the subdivision flooded. The reported average depth of flooding during Hurricane Harvey was 28.0 inches (due to structural flooding on Lake Houston), while most homes flooded by 3 to 6 inches. The reported average depth during Tropical Storm Imelda was 3.1 inches. Losses were reported throughout the neighborhood, but the most significant concentration is along Raphe Drive in the northeastern portion of the project area. This area drains via the eastbound roadside ditch on Foley Road, which does not currently have the capacity for the area that drains to the roadside ditch.

Halff recommended the following project after the study: Trunk line downstream of the pipelines, upsizing and adding outfalls in the subdivision, and installing a storm sewer trunk line along Raphe Drive and Belle Cote Drive.

- The total construction cost is \$4,853,000. \$1,635,500 for the 8x6-foot RCB that ran along Foley Rd downstream of the pipelines, and \$1,280,000 for the cost of material for the storm sewer along Raphe Dr.
- The total cost of easement acquisition is approximately \$138,000. This cost is based upon easements required to upsize and add outfalls within the subdivision.





## Oyster Creek Detention Basin

Brazoria County, Texas

### PROJECT DETAILS

#### Scope of Services

GLO application assistance, H&H modeling, design, specifications, estimates, construction phase services

#### Completion

Ongoing

#### Reference

Nancy Friudenberg  
Brazoria County  
(979) 864-1860  
nancyf@brazoria-county.com

#### Funding Source

CDBG-DR

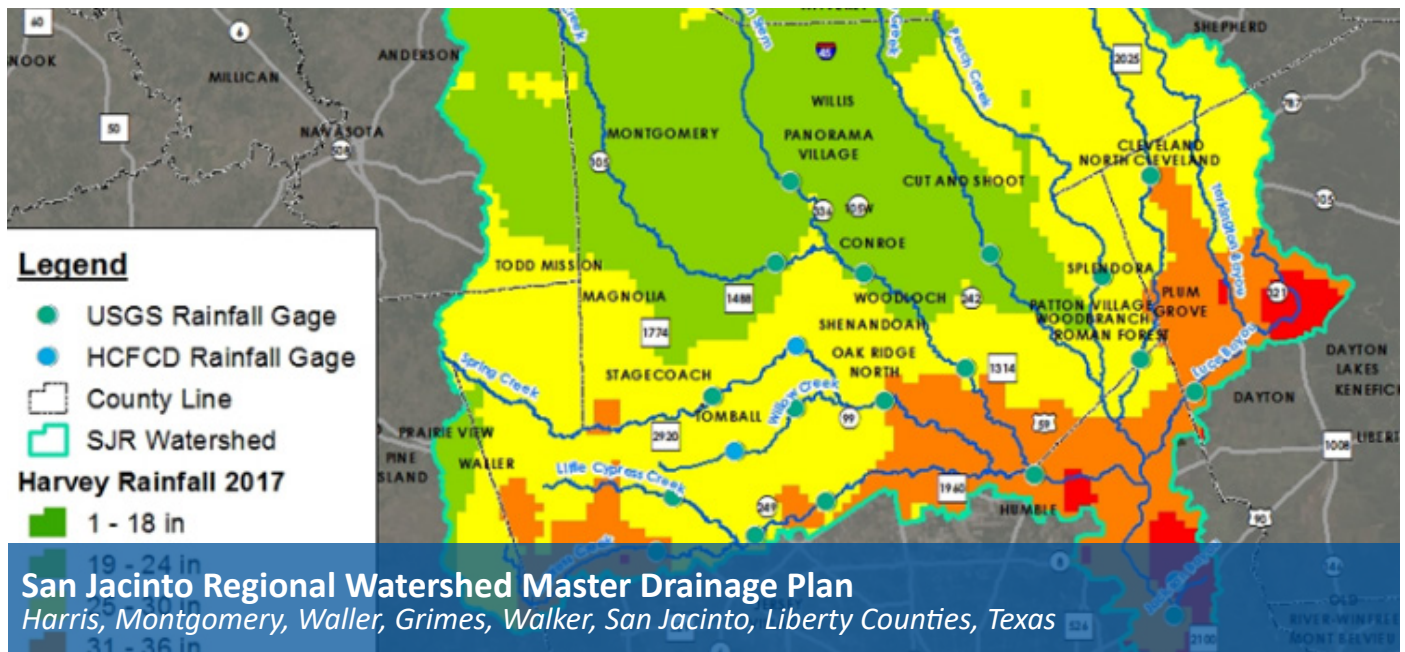
This project involved identifying and prioritizing potential projects in Brazoria County to be funded by Community Development Block Grant Disaster Recovery. Halff assessed road-side ditch regrading, culvert improvements, storm water conveyance, storm sewer replacements/improvements, bridge enhancements, roadway improvements, channel improvements, detention basins, bank stabilization projects. Nine projects were identified as need areas and Halff provided a written summary, project exhibits and cost estimate for each project.

The Oyster Creek Detention Basin Project is on the west side of SH 288 and south side of SH 35, an Extraterritorial Jurisdiction (ETJ) of Baileys Prairie in Brazoria County, Texas; in Precincts 2 and 4. The impacted areas include subdivisions within the Oyster Creek watershed located north and south of County Road 609. The subdivisions include Longhorn Estates, Oakwood Creek, Pecan Estates, Westwood and M. J. Jamison Partition.

The project area is located in the Federal Emergency Management Agency (FEMA) 100-year floodplain and the area was severely flooded during Hurricane Harvey. There are reported drainage issues concentrated around Oyster Creek and Ditch 10. As water rises on Oyster Creek and gets out of its banks, the flows back into the neighborhood through Ditch 10 and ultimately into Bastrop Bayou. Large portions of CR 609 are overtopped in larger rain events and the water continues to overland flow south, flooding many properties and restricting residents from leaving their neighborhoods. Currently the existing area is below the Base Flood Elevation (BFE) and does not have the proper mitigation to account for the amount of water during certain rain events.

In order to address the overtopping of CR 609 during 10-yr storm events, Halff proposed a control structure along Ditch 10 and a detention basin to mitigate impacts. The recommended project includes a full engineering study of the project area in addition to acquiring the land needed for mitigation with the current disaster relief funds. The engineering study would provide a more in-depth analysis to finalize the stormwater modeling efforts, design, construction, and opinion of estimated construction cost of the proposed control structure.





## PROJECT DETAILS

### Scope of Services

H&H, Environmental, Survey, Cost Estimating

### Completion

est. August 2020

### Reference

Dena Green, PE, CFM  
HCFCF  
9900 Northwest Freeway  
Houston, Texas 77092  
(346) 286-4000  
dena.green@hcfcd.hctx.org

### Funding Source

FEMA through TDEM,  
Harris County Flood  
Control District, San  
Jacinto River Authority,  
City of Houston and  
Montgomery County

Halff is currently working on a regional master planning effort for the San Jacinto River Basin. The study is 75% funded through a FEMA Hazard Mitigation Grant Program (HMGP) grant and with the remaining 25% funded through a partnership with HCFCF, the San Jacinto River Authority (SJRA), Montgomery County and the City of Houston.

The study's major objectives include identifying the basin's vulnerability to flood hazards, mitigation planning aimed at structural flood reduction, flood warning, and flood response, and outreach and education for stakeholders in the seven-county area and the general public.

As part of the study, Halff updated or prepared H&H models of the 2,980 sm watershed with more than 535 river miles of hydraulic river modeling along major rivers and tributaries. With respect to the mitigation planning effort, the San Jacinto Regional Watershed Master Drainage Plan includes three mitigation categories: primary mitigation planning, secondary mitigation planning and other mitigation actions. Primary mitigation planning focuses on regional structural improvements and policy changes, which are intended to physically reduce flooding and the associated risks to the communities along the major streams in the basin. Through a series of data review and workshops, our team identified and evaluated nine separate major flood reduction alternatives.

Secondary Mitigation Planning recognizes that structural improvements are long-term and are only part of the solution. This effort evaluated the current gage network and associated flood warning system and provided recommendations for augmentation of the existing gage network.

Finally, the study includes a robust public outreach effort, which includes direct coordination with all seven counties, as well as the public. The study will include approximately six public meetings in various parts of the watershed. The first set was completed in December 2019 and the second set is expected in July 2020.

## ABILITY TO PRODUCE A HIGH-QUALITY WORK PRODUCT

To successfully complete a project Halff takes advantage of our strong local planning and engineering design expertise. We keep an eye on our projects throughout the design phase to understand changes that may be happening within and adjacent to our project limits. This is especially important in communities like Weslaco where timing is critical for coordination to achieve the most economically compatible solutions. We also look for ways to make assets sustainable and easier to maintain. This lessens the work for staff and ultimately the impact to the taxpayer. Halff is also committed to serving the City staff in any way that will assist them with their needs to deliver a project. For example, on multiple occasions Halff has assisted municipal clients by fully coordinating and preparing comprehensive bidding/specification documents that included the work of other consultants that were under contract to the municipality for related work in the same geographical area. This allowed the municipality to bid and manage construction of the work under a single contract rather than multiple contracts.

### Quality Assurance/Quality Control (QA/QC) Program

The key to a successful project is having a strong QA/QC program. We have worked to refine this process over many years and numerous studies to create quality assurance guidelines and forms that will be used for the duration of the project. Halff employs an in-house tracking system to monitor QA/QC activities, allowing personnel assignments to be made quickly. Halff has developed and customized an effective inventory of checklists for a variety of service areas. The checklists stem from our significant experience with surveying, H&H, floodplain mapping, stormwater modeling, alternative development, design and drainage plan reviews. The checklists provide guidance and facilitate communication among the Project Manager, task leaders and the QA/QC team. Our QA/QC staff is involved in all phases of the project from the beginning kick-off meeting through the preparation of record drawings after the project has been constructed. QA/QC documentation is available to the City as needed to ensure coordination.

Our team's philosophy is to ensure all QC comments are properly addressed, documented, and resolved prior to the City's review. Each project task will have its own QC Checklist, which will be divided into more detailed sections to correspond with the QC checkpoints. Halff's QA/QC program creates and supports accountability between all Team members and our clients. The Project Manager, Task Leaders and QA/QC Lead all sign off on the QC.



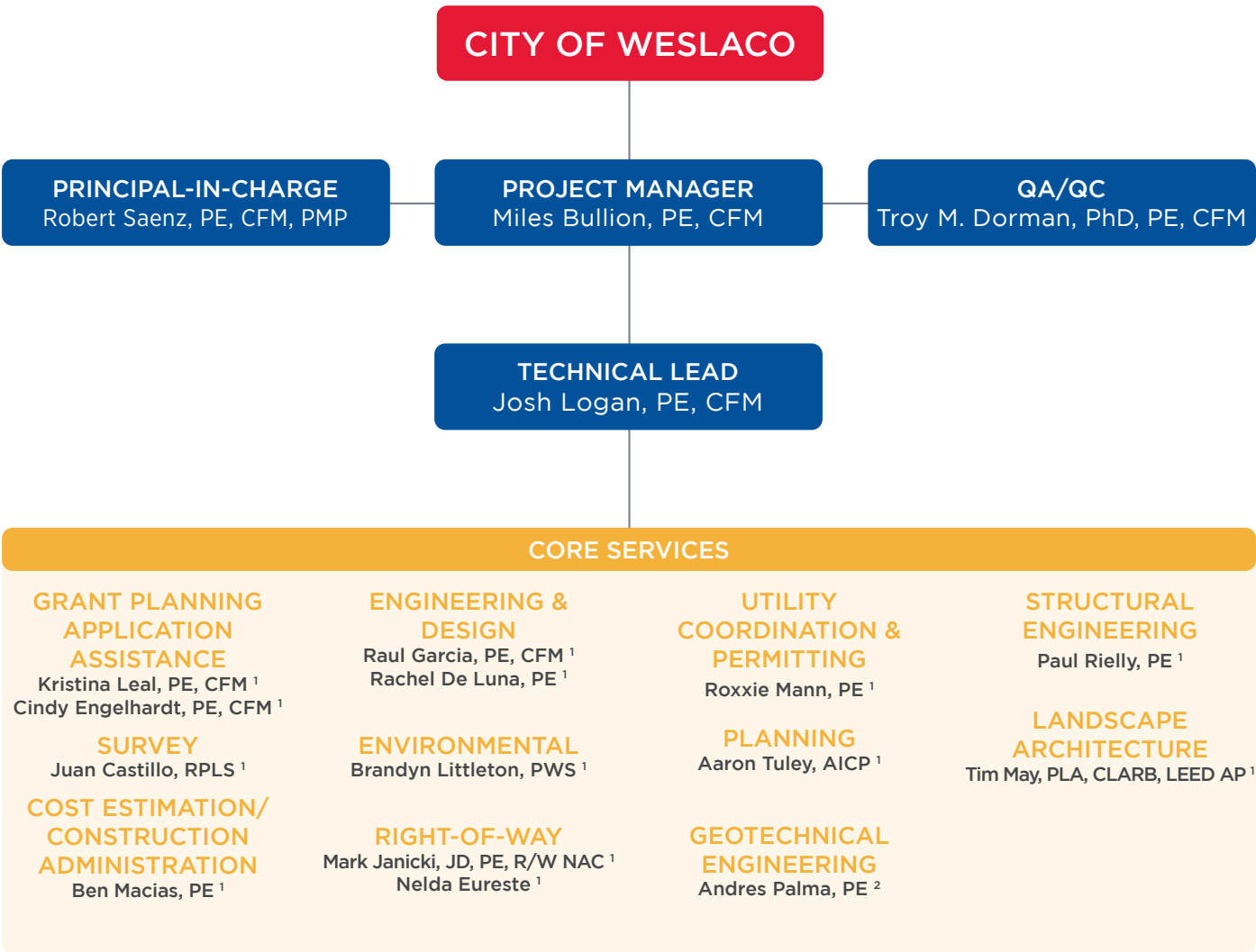
# CAPACITY TO PERFORM

## RESOURCES AND AVAILABILITY

The Halff Team has sufficient capacity to provide the required services for City of Weslaco. We can readily mobilize personnel for grant planning and grant application assistance, initial engineering, final design support, construction documentation, bidding and award support, and engineering and inspection services, as needed, for related projects issued by the City. Halff has a McAllen-based staff of nearly 50 professionals, including those in relevant technical disciplines. If selected, this contract will be managed in our McAllen office, only one hour away from the City. If additional support is needed at any time during this project, we can engage additional personnel from any of our other 24 offices. Halff has the depth and resources to provide unmatched service for the selected categories.

### Project Team Organization Chart

We are committed to providing excellent service to the City of Weslaco. Halff believes that we bring the most well-rounded team to manage your successful projects. The individuals included on the organizational chart below are all current employees of Halff and are committed and available to serve the City of Weslaco for the duration of the project.



## TEAM

1. Halff 2. Millenium Engineering Group



## Millennium Engineering Group

Millennium Engineers Group, Inc. (MEG) provides complete geotechnical engineering and consulting services, construction material engineering and testing, forensic testing and consulting services to its client base of government and municipal agencies, educational institutions, architects, engineers, real estate developers, constructors, and private sector clients. Their strength is their people; combining their experience and collaborating as a unit enables us to quickly identify our roles and deliver accurate cost effective deliverables. Whether defining a new working relationship or continuing on to the next project their mission remains the same: to achieve yours. MEG is a historically under utilized business (HUB) (Certificate/VID Number: 1742996684300), and registered as a Disadvantaged Business Enterprise (DBE), Small, Minority, Woman and Veteran Business Enterprise (S/M/W/V) (Certification Number: 219056103). Halff plans to use MEG for geotechnical engineering and materials testing, if needed, on this project.

## Affirmative Action

Halff has a strong record of mentoring HUB and M/WBE firms, facilitating our ability to maximize their participation on projects. We understand the importance of working with these firms and assigning them significant roles. Where feasible, we will use HUB and M/WBE firms to perform tasks on the project.

Halff is not MBE or WBE certified, but is committed to affording equal opportunity in contracting with small and minority businesses, women's business enterprises, and labor surplus area firms. Affirmative Action will therefore, be taken to:

- Place qualified small and minority businesses and women's business enterprises on solicitation lists;
- Assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- Divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- Establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- Use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

## KEY PERSONNEL RESUMES

Resumes for all key personnel are included on the following pages.

## PROFESSIONAL LIABILITY INSURANCE

Halff will carry professional liability insurance per the coverages identified by the City of Weslaco. A sample Certificate of Insurance is provided in the Appendix of this Statement of Qualifications.

**Halff Associates is a unique, regional consulting firm that has provided full-service engineering, architecture and related services for decades. We are committed to continually investing in our employees, fostering a culture of collaboration and delivering unwaveringly high-quality results for our clients. Our passion is providing smarter solutions with a distinctly human touch for everyone we serve.**







## ROBERT SAENZ, PE, CFM, PMP | PRINCIPAL IN CHARGE

Mr. Saenz joined Halff Associates in 2001, bringing 16 years of experience. He has experience in civil engineering, planning, design, project management, and construction management for both public and private clients. His extensive work with city, county, state, and federal agencies has given him insight into feasibility analysis, preliminary engineering, and project financing.

Robert's experience includes planning, master planning large developments, residential/commercial/industrial site development; new construction and rehabilitation of water and wastewater systems; new and rehabilitation of existing streets; hike and bike trails; floodplain and drainage improvements; and computer modeling and analysis of water distribution, wastewater collection, and storm water collection and detention systems. Robert has developed favorable relationships with numerous local, state, and federal agencies that have contributed to the success of many of his clients' projects.

### EDUCATION

BS/Civil Engineering,  
Texas A&M University

### REGISTRATION

Professional Engineer  
TX #82072

Certified Floodplain  
Manager #0256-00N

Project Management  
Professional #1767964

### Representative Experience Includes

- **Southgate Woods Phase 3, Weslaco, Texas** – Project Manager for a 7.5-acre 21 lot development. Responsible for the layout and design of roadways within the proposed subdivision as well as platting and preparing the design for the subdivision layout, new streets, drainage, water distribution and wastewater collection systems, and grading. Also responsible for coordinating the preparation construction documents and obtaining approvals from regulatory agencies.
- **The Colonias of the Lower Rio Grand Valley, Cameron County, Hidalgo County, and Willacy County, Texas** - The project area was defined as the Colonias in the Lower Rio Grande Valley (LRGV) area, consisting of Cameron County, Hidalgo County and Willacy County. The project goal was to examine the drainage infrastructure needs of the Colonias and identify drainage study and infrastructure gaps that need to be filled in order address the drainage issues.
- **McAllen-Pharr Drainage Master Plan** - Project Manager for the South east Blueline Drainage Study and the 6th St. Drainage Study from Pecan Blvd to Harvey Ave.
- **TWDB Lower Rio Grande Valley Colonias Drainage, Cameron, Hidalgo and Willacy Counties, Texas** – Project Engineer for a project that is being administered by the Texas Water Development Board for the purpose of developing the necessary drainage planning required to "...examine the infrastructure needs in the Colonias, in particular the use of (Community Development Block Grant) CDBG disaster recovery funds to provide drainage improvements to correct flooding problems in the wake of Hurricane Dolly, and the historical provision of public infrastructure and housing assistance to meet those needs in border and non-border Colonias."
- **South Texas College Technology Campus Detention Improvements, McAllen, Texas** – Quality Manager involved civil design for 40,700 sf of detention improvements. Assisted Project Engineer with detention calculations based on City of McAllen drainage policies to determine the storage volume required for the site. Also assisted with civil construction documents involving demolition, dimensional control, grading, drainage, and suggested erosion control design. Prepared a preliminary estimate of probable construction cost and assisted with utility coordination.



## MILES BULLION, PE, CFM | PROJECT MANAGER

Mr. Bullion has managed and engineered the development of plans and specifications for civil and transportation projects involving the design of preliminary and final geometric plans, traffic control plans, drainage design including channels, culvert design, and storm sewer systems, water and wastewater design, as well as preparation of final plans, specifications, and estimates. Miles also has experience in storm water pollution prevention plans, parking lots, airport projects, construction management, and projects improving pedestrian and bicycle facilities.

### Representative Experience Includes:

- **City of Weslaco Flood Assessment, Weslaco, Texas** - Project Manager for the drainage assessment that analyzed the City of Weslaco. This project involved preparing documents and working with a drainage committee to pursue a bond election that was successful in obtaining \$10M for the City of Weslaco.
- **Hidalgo County Central Precinct No. 1 Drainage Improvements, Hidalgo County, Texas** - Project Engineer for the submission of a Hazardous Mitigation Grant Application to the Texas Department of Emergency Management for a drainage improvement project to reduce the flood risks in the Las Brisas and Chapa Road Subdivision. The improvements included the widening and extension of the existing drainage outfall system, three new detention ponds, local conveyance systems and pumping structures.
- **City of Alton Drainage Master Plan, Alton, Texas** - Engineer assisting with the design. The purpose and goal of the drainage master plan is to develop a comprehensive evaluation of the existing drainage condition throughout the City by developing an accurate and current understanding of the drainage infrastructure. Data collection and model inventory, included gathering, organizing and reviewing of all data provided. GIS data was collected and catalogued. Hydrologic and Hydraulic models will be prepared and utilized to assess flood risk and identify flood mitigation solutions within the drainage master plan area.
- **Southwell Road, Dallas, Texas\*** - Mr. Bullion was responsible preparation of the drainage plan for the roadway improvements on Southwell Road. Design included preparing drainage area map, design of inlets and storm water system, as well as probable construction cost estimate for the project.
- **Polk Street from Wilbur Street to Clarendon Drive, Dallas, Texas\*** - Mr. Bullion was responsible for preparation of the drainage plans for the roadway improvements on Polk Street. Design included preparing drainage area map, designing approximately 35 inlets and over 4,000 linear feet of storm sewer pipe for the storm sewer system.

### EDUCATION

BS/Civil Engineering,  
University of Texas,  
San Antonio

### REGISTRATION

Professional Engineer  
TX #118943

Certified Floodplain  
Manager #2330-12N



## TROY M. DORMAN, PHD, PE, CFM | QA/QC

Troy has 20 years of civil/environmental engineering experience in water resources engineering, stormwater management, low impact development (LID) techniques, water quality BMPs, watershed master planning, land use planning, utility coordination, surface and groundwater hydrologic modeling, hydraulic design, and erosion control. Troy's roles have included client development, project management, engineering design/review, and team leadership for clients ranging from the U.S. Army Corps of Engineers (USACE) to state, county, and local agencies.

### Representative Experience Includes:

- **Storm Water Improvement Plan, Weslaco, TX** – Provided QA/QC of work products for this project which developed a rapid assessment of flood prone areas and proposed projects to mitigate against previous major flooding that occurred in late June of 2018. Coordinated with City officials and community members of the Drainage Task Force to identify critical areas across the city and develop basis for project scheduling and funding. Assisted with creating bond advertisement material to promote project approval during elections.
- **Bulverde Engineering Services, Bulverde, Texas** – Provided QC as the City Engineer for Bulverde. Primary service is development reviews including drainage/stormwater management plans, plat reviews, traffic impact analysis (TIA) reviews, and construction plan reviews. Drainage plan reviews include review of detention calculations as well as complex H&H model reviews.
- **Drainage Local Watershed Master Plan Support, San Antonio River Authority (SARA)\*** - Managing analysis, preliminary design, and estimating of a series of proposed capital improvement projects (CIP) for future bond funding. Led development of a checklist used by team members from other design firms to evaluate LID and GI opportunities for projects in Council Districts 4, 7, and 8. Led additional analysis of the LID/GI potential for up to four projects each from the three districts to prepare cost estimates and feasibility assessments. Developed proposed infrastructure improvements, including storm drain systems, street improvements, upgraded culvert crossings, and stream restoration design.
- **Carowest Drainage Review, New Braunfels, TX** - Assisted a large private landowner in reviewing drainage plans from an adjacent subdivision. The subdivision was built to the standards in the City of New Braunfels development code, but the client was still experiencing increased volume and intensity of runoff. Reviewed the approved plans, visited the site, and observed effects of concentrated discharge from a constructed detention pond. The analysis showed that, although the subdivision was built to standards, vagueness in the development code allowed an increased discharge to our client's site over predevelopment conditions.
- **Toyota Basin H Outfall Restoration, Toyota Motor Manufacturing of Texas, San Antonio, TX** – Project manager for this repair project that restored a historic flowpath from the outfall of a constructed detention pond to alleviate severe erosion in sandy soils. The site design required placement of 15,000 cubic yards of compacted fill to plug a 30-foot deep erosional gully, construction of a rock rubble energy dissipation structure, NCD, construction permitting, and NPDES erosion control support.

## EDUCATION

PhD, Water Resources and Environmental Engineering, Texas Tech University

MS/Civil Engineering, Texas Tech University

BS/Hydrology, Tarleton State University

## REGISTRATION

Professional Engineer  
TX #92722

Certified Flood Plain  
Manager #1915-10N



## JOSH LOGAN, PE, CFM | TECHNICAL LEAD

Josh Logan joined Halff Associates in January of 2002. He has worked on wide variety of projects including large-scale hydrologic and hydraulic studies, land development, utility rehabilitation and relocation, erosion control design, and a selection of transportation projects, though his primary focus has been in flood mitigation analysis and drainage infrastructure design. Josh has managed various projects through all stages of analysis and design. He has been intimately involved with the planning, detailed design and PS&E preparation, and successful construction management phases of several projects.

### Representative Experience Includes:

- **Weslaco Drainage Improvement Plan** - Deputy Project Manager/ Drainage Task Lead responsible for assessment of flood damages, development of InfoWorks ICM 2D models, and development of a city-wide Drainage Capital Improvement Plan valued at more than \$90 million for successful May 2019 Bond election. Assisted with Bond Program advertisement and Public Involvement phases. Coordinated with City staff, a Citizen's Drainage Task Force, Hidalgo County, Hidalgo County Drainage District #1, and multiple other public stakeholders throughout the assessment.
- **Hidalgo County Precinct 1 Flood Assessment** - Project Manager responsible for assessment of flood damages, development of InfoWorks ICM 2D models, and development of over 110 drainage CIP projects valued at more than \$160 million for successful 2018 Bond election. Coordinated with Hidalgo County staff, Hidalgo County Drainage District #1, City of Weslaco, and multiple other project stakeholders throughout the assessment.
- **City of Alton, Master Drainage Plan, City of Alton, Texas** - Senior H&H Manager, oversaw project team's H&H analysis to identify flood risk and develop proposed Capital Improvements for the City of Alton, Hidalgo County, Texas using funds from the TWDB's Clean Water State Revolving Funds (CWSRF) program. Team developed a 2D H&H model to simulate the existing and proposed flood risk across the City of Alton ETJ using Infoworks ICM. Data were collected from site visits, as-built construction plans and survey information. Deliverables included a geodatabase of City storm infrastructure assets, existing flood risk delineations and cost estimates for alternative solutions. During the development of the project, the City of Alton endured a significant storm event that compared to a 25-year storm, and Halff's models accurately simulated the storm and flooding conditions, giving the City of Alton further confidence in the models and the viability of the proposed drainage capital improvement projects. The highest priority project was later awarded construction funding by the TWDB in the 2019 CWSRF program.
- **Drainage Reviews, City of Bulverde, Texas** - Responsible for reviewing drainage reports and stormwater infrastructure plans and H&H models for the City of Bulverde as development plats and construction plans are submitted to the City for approval. Helped prepare QA/QC forms and checklists for the City's use.
- **IH 10 (SH 46 to Scenic Loop Road), Boerne, Texas** - Drainage Task QC review of PS&E for 16 cross drainage culverts and 39 roadway ditches including the H&H analysis and report to support the design. The project covered 3.1 miles of frontage road improvements including the design of two bridges crossing the highway and a new frontage road bridge.

### EDUCATION

BS/Civil Engineering,  
Texas Tech University

### REGISTRATION

Professional Engineer  
TX #100005

Certified Floodplain  
Manager #3758-19N





## KRISTINA LEAL, PE, CFM | GRANT PLANNING & APPLICATION ASSISTANCE

Ms. Leal joined Halff Associates in 2006, bringing five years of municipal experience in civil engineering and roughly two years of experience in geotechnical engineering. She has experience in civil engineering, planning, design, and project management for public agencies and experience in construction management for both public and private clients. Kristina work as a project manager/engineer for the cities of McAllen and Harlingen, Texas, have made her very familiar with the local county, state, and federal agencies, as well as many of the local contractors and local construction practices.

### EDUCATION

MS/Civil Engineering,  
University of California,  
Berkeley

BS/Civil Engineering,  
Massachusetts Institute of  
Technology

### REGISTRATION

Professional Engineer  
TX #94759

Certified Flood Plain  
Manager #0943-06N

### Representative Experience Includes:

- **Pharr Master Drainage Plan, Hidalgo County, Texas** – Project Manager for the evaluation of Pharr's storm sewer system and development of a capital improvement plan to address the 100 and 500 year frequency storms in critical areas of the City. The plan will incorporate current and proposed projects that are being developed by Hidalgo County Drainage District No.1 and determine additional measures needed for flood mitigation.
- **Hidalgo County Central Precinct No. 1 Drainage Improvements, Hidalgo County, Texas** - Project Manager for the submission of a Hazardous Mitigation Grant Application to the Texas Department of Emergency Management for a drainage improvement project to reduce the flood risks in the Las Brisas and Chapa Road Subdivision.



## CINDY ENGELHARDT, PE, CFM | GRANT PLANNING & APPLICATION ASSISTANCE

Cindy Engelhardt joined Halff Associates, Inc. (Halff) in February 2006 as a civil engineer with a focus on water resources engineering projects. She has been involved in numerous H&H studies and outreach efforts throughout the state. She is experienced in the design and analysis of stormwater systems, H&H analyses, flood control design and planning, floodplain management, and flood education. Ms. Engelhardt has technical expertise with modeling and mapping software and is well-versed experience with FEMA's Risk MAP program and regulations.

### Representative Experience Includes:

- **Wharton County Master Drainage Study, Wharton County, Texas** - Aided in data management, which included data collection and distribution to the various Halff offices included in the study. Assisted in determining the methodologies and procedures to be used for the Wharton County Drainage Studies. Created detailed HEC-HMS and HEC-RAS models of the Mustang Watersheds. Performed steady flow analysis to study the interactions between West, Middle, and East Mustang Creeks. Surface models were generated for both ground and water surfaces using GIS automation. Inundating maps depicting areas of overflow between the tributaries and stream flooding were generated.
- **Purple Sage Drive Culvert Replacement, Round Rock, Texas** - Co-Project Manager for the Purple Sage Drive culvert replacement along Lake Creek Tributary 6. This flood mitigation project was reduced roadway overtopping and flood risk to nearby properties. Evaluated several culvert configurations to increase capacity of the crossing, optimize the design, and minimize channel degradation. Project included field survey, alternative analysis, design, and cost estimation. Responsibilities included overseeing the H&H analysis and assisting in design decisions.

### EDUCATION

MS/Civil Engineering,  
Texas Tech University

BS/Civil Engineering,  
Texas Tech University

### REGISTRATION

Professional Engineer  
TX #103496

Certified Flood Plain  
Manager #1125-06N



## JUAN CASTILLO, RPLS | SURVEY

Mr. Castillo joined Halff Associates in August 2018, with over 25 years of experience in all phases of Land Surveying, including, but not limited to Project Management, Supervising Field Operations, Preparation of Survey proposals, Quality Assurance and Quality Control, Boundary Surveys, ALTA/ASCM Surveys, Establishing Horizontal & Vertical Surveys, Topographic Surveys, Design Surveys, Lease Survey Plats, Aerial Surveys, Right of way and Easement Surveys, Parcel Acquisition Maps (Right of way Mapping), As Built Surveys, Mortgage Improvements Surveys, etc.

### Representative Experience Includes:

- **2018 Referendum Project # 24, Mile 9N & FM 1015, Weslaco, Texas**
  - Project manager for the preparation of approximately 40 Survey Exhibits and Legal descriptions, related to land acquisitions and drainage easements. Ongoing project the Hidalgo County Drainage District No 1.
- **AEP Design Survey services** - Project Manager of 2.3 miles, locating improvements and visible utilities, existing right of way in different areas in McAllen, Texas. Performed a Topographic Survey in AutoCAD and staking the street apparent existing right of way.
- **Boundary Surveys for 3,400 acres tract in South McAllen, Mission Texas**
  - Project Manager for performing 12 Boundary Surveys and Legal Descriptions, around the Anzalduas International Bridge to the Sharyland region areas in between. This project was prepared for Laredo Based Killam Companies.

### EDUCATION

BS/Civil Engineering,  
Universidad Autonoma De  
Nuevo Leon, Mexico

### REGISTRATION

Registered Professional  
Land Surveyor TX #6146



## BEN MACIAS, PE | COST ESTIMATION/ CONSTRUCTION ADMINISTRATION

Since joining Halff Associates in January 2002, Mr. Macias has managed and engineered the development of plans and specifications for civil projects involving: paving, grading, drainage, water, wastewater, and erosion control. Ben has extensive experience in site development projects, specifically commercial and industrial. He also has experience in public infrastructure (roadway, drainage, water, and wastewater) projects, university/college projects, parks projects, master planning projects, and storm water pollution prevention plans.

### Representative Experience Includes:

- **Texas A&M Health Science Center, McAllen, Texas** – Dimensional control, paving, grading, drainage, utility and erosion control plans for 23,093 sf commercial building. Also included: were dimensional control, paving, and grading design of parking lot, drainage design-drainage areas, hydraulic calculations, and inlet/pipe layout, detention calculations and detention area design, and coordination with Kell-Munoz architects on site plan modifications.
- **South Texas College Mid Valley Campus East Parking Lot, Weslaco, Texas** – Project Engineer for the design of a 76,171-sf parking lot to accommodate 212 parking spaces. Civil construction drawings were developed for dimensional control, paving, grading, and drainage design.
- **The Gardens at Brook Ridge Assisted Living Facility, Pharr, Texas** - Project Manager and civil engineer of record for the design of site infrastructure improvements for a 4.79-acre assisted living facility. Drainage design included 6,600 lf of drainage pipe of varying sizes and material types. Water design included 2,600 lf of 8-inch PVC water line. As project manager, served as leader of the civil design team and as primary point of contact for the owner, architect and contractor.

### EDUCATION

BS/Civil Engineering,  
Texas A&M University

### REGISTRATION

Professional Engineer  
TX #99337



## RAUL GARCIA, PE, CFM | ENGINEERING & DESIGN

Mr. Garcia has more than 198 years of experience serving as a senior project manager and lead design engineer for multiple projects in the McAllen office. Raul has provided land development and site work engineering for several offices, warehouse, commercial, and mixed-use developments. He also has experience serving as the lead engineer for multiple clients including architects, public entities, and private developers.

### Representative Experience Includes:

- **City of Weslaco Storm Water Improvement Plan, Weslaco, Texas** – Project Manager in developing exhibits using ArcGIS, reviewing existing and proposed floodplain map, conducting public meetings with the city, and calculating Benefit-Cost Analysis (BCA) ratios for potential drainage projects using FEMA's BCA toolkit. The purpose of the storm water improvement plan to develop a comprehensive evaluation of the existing drainage conditions throughout the city of Weslaco, Texas by modeling the present drainage infrastructures as accurate and concurrent as possible using GIS software. Data collection and model inventory included gathering, organizing, and reviewing of all data provided. GIS data was collected and catalogued. Hydrologic and Hydraulic models were prepared and utilized to assess flood risk and identify flood mitigation solutions for various areas of the city.
- **Sharyland Plantation Honduras Drive, McAllen, Texas** – Project Manager for the extension of approximately 2,500-lf of 44' back to back concrete roadway in McAllen, TX. Plans also included the design of a 360 GPM liftstation with 2,000 ft of 6" forcemain. Storm system included the design of approximately 2,200 ft of 72" RCP. Plans included paving and dimensional control, drainage design, utility plan and profiles, liftstation design, and erosion control. Structural design of the wetwell slab and electrical design of the liftstation was also included.

### EDUCATION

BS/Agricultural Engineering,  
Texas A&M University

### REGISTRATION

Professional Engineer  
TX #94855

Certified Flood Plain  
Manager #0954-06N



## RACHEL DE LUNA, PE | ENGINEERING & DESIGN

Ms. De Luna joined Halff Associates, Inc. (Halff) in 2013. Since joining Halff, Ms. De Luna has worked on a variety of civil engineering projects in the public and private sectors. Her project experience includes analysis and design of new and existing drainage infrastructure, construction management, roadway reconstruction, site development, and analysis and design of water and wastewater infrastructure.

### Representative Experience Includes:

- **2018 Bond Referendum Project No. 24: Mile 9 N & FM 1015, Hidalgo County Drainage District No. 1, Weslaco, TX** – Project Manager for the design and preparation of construction plans for drainage improvements for a 4.5 square mile drainage basin prone to structural flooding. The improvements consist of ditch widening (2 miles) and rerouting (0.4 miles), culvert and storm sewer enlargement, detention pond construction (totaling 36 acres) and pump station construction (2-70 cfs vertical turbine pumps). The project includes a drainage analysis of pre- and post-improvement conditions and coordination with utility companies and the U.S. International Boundary and Water Commission. Bid and construction phase services will be provided.
- **2018 Bond Drainage Improvements, Group A: Bicentennial Bridge Replacements, City of McAllen, Texas** – Project Manager for the design and preparation of construction plans for the replacement of four roadway bridge crossings on the Bicentennial BlueLine Ditch: three replaced with box culverts and one with a pedestrian bridge. The project includes a drainage analysis of pre- and post-construction conditions. Bid and construction phase services will be provided.

### EDUCATION

MS/Civil & Environmental Engineering, Cornell University

BS/Civil Engineering,  
Texas A&M University

### REGISTRATION

Professional Engineer  
TX #124887





## BRANDYN LITTLETON, PWS | ENVIRONMENTAL

Brandyn Littleton joined Halff Associates as an intern in June 2003 and is presently the Environmental Team Leader in Halff's Austin, Texas office. Since joining Halff Associates he has been involved in a wide spectrum of projects including natural gas development, tree surveys, preparation of environmental documentation supporting environmental clearance under the National Environmental Policy Act (NEPA) and baseline ecological assessments.

### Representative Experience Includes:

- Below includes a range of projects specifically related to providing support for project compliance related to the placement of fill material in WOTUS, including wetlands, pursuant to Section 404 of the Clean Water Act (Section 404). USACE Districts noted as following:
- **Fort Worth District - "SWF"**
- **Galveston District - "SWG"**
- **Tulsa District - "SWT"**
- **Albuquerque District - "SPA"**
- **Nationwide Permit 12 - Utility Line Activities**
- **DT-3 Irving Natural Gas Pipeline (SWF-2017-00132) (2016-2017)**
- **DT-3 Irving Natural Gas Pipeline (SWF-2017-00132) (2016-2017)**
- **Chapman Pipeline Rehabilitation (SWF-2015-00488) (2015-2016)**
- **210-mile Glass Mountain Pipeline (SWT-2012-478) (2012-2013)**
- **Grand Mesa Pipeline (SWT) - Field support only.**
- **Panther Creek (SWF-2013-00263) (2013)**

## EDUCATION

MS/Applied Geography,  
University of North Texas

BS/Applied Geography,  
University of North Texas

## REGISTRATION

PWS Professional Wetland  
Scientist TX #2909



## MARK JANICKI, JD, PE, R/W NAC | RIGHT-OF-WAY

Mr. Janicki is a professional civil engineer and a lawyer with 37 years of experience including 25 years of extensive ROW acquisition experience gained since 1994 and 12 years of engineering experience. He can review surveys, construction plans, and specifications in detail; and report any issues for review from a vantage point that differs from most engineers, lawyers and property acquisition providers. In addition, he can assist landowners during the negotiation process by explaining the proposed design and the construction process to the landowners. Further, Mr. Janicki's experience with underground storage tanks and utility relocations may be useful to acquiring agencies in their identification of environmental concerns, remediation and removals and utility relocation efforts.

### Representative Experience Includes:

- **Mile 6W, Hidalgo County Precinct 1, Weslaco, Texas** - Project consisted of the acquisition of 63 right of way parcels for the road expansion of Mile 9N to Mile 11N in Weslaco, Texas. Services Included: Project Administration, Negotiation, and title curative.
- **Mill Creek/Peaks Branch/State Thomas Drainage Tunnel, City of Dallas, Texas** - Project consists of the acquisition of easement and right of way parcels for the drainage tunnel project, from the Downtown area to Trinity River outfall.
- **City of Heath, FM 549 Waterline/Safe Routes to School/Bufalo Creek Drainage, Heath, Texas** - Principal-in-Charge for four projects near Lake Ray Hubbard including Project #1 (CSJ: 0918-25-023): Dorothy Smith Pullen Elementary School (F.M. 549), Project #2 (CSJ: 1091-04-019): Amy Parks Heath Elementary School (Hubbard Drive), Project #3 (CSF: 1091-04-020, 1014-03-055): Amy Parks Elementary School (F.M. 549), and Project #4 (CSJ: 0918-25-024): Chris Cuny Boulevard (at FM 1140 . Smirl Drive).

## EDUCATION

Juris Doctor, Texas  
Wesleyan University  
School of Law

BS/Civil Engineering,  
Texas A&M University

## REGISTRATION

Professional Engineer  
TX # 65016

Licensed Attorney  
State Bar of Texas . State  
Bar #00790041

International Right of Way  
Association, Right of Way  
Negotiator Certification .  
R/W NAC



**HALFF**

CITY OF WESLACO RFP 2019-20-24  
Engineering/Architectural/Surveying Services for CDBG-MIT Program





## NELDA EURESTE | RIGHT-OF-WAY

Ms. Eureste joined Halff Associates in September 2019, with of 35 years of experience in the field of Right of Way Acquisition. She served as the South Right of Way Project Delivery Manager for the six southern Districts of Texas Department of Transportation. Ms. Eureste has a vast knowledge of complex right of way projects and has served as a Project Manager while working for Halff.

### Representative Experience Includes:

- **FM 1560, TxDOT San Antonio District** - Project consists of 22 parcels for the widening of FM 1560 from FM 471 to Guam Road. Services include: Project Administration.
- **SH 71, TxDOT Austin District, Bastrop County, Texas** - Project consists of the acquisition of 49 parcels and 11 OAS for the widening of SH 71 from CR 206 (Colorado Circle) to SH 21. Services include: Project Administration, Appraisal and Review Appraisal; Negotiations; Relocation Assistance, Title Curative, Closing and Condemnation Support.
- **US 77, TxDOT Corpus Christi District, Kleberg County** - Project consists of the acquisition of 38 parcels and 8 relocations for the expansion of the existing highway to meet highway standards for IH 69 Corridor. Services include: Project Administration, Negotiation, Relocation Assistance, Title Curative, Closing and Condemnation Support.

## EDUCATION

MA/Arts Administration,  
University of Incarnate  
Word

BA/Applied Arts and  
Sciences,  
University of Incarnate  
Word



## ROXXIE MANN, PE | UTILITY COORDINATION & PERMITTING

Ms. Mann joined Halff Associates in 2015, after graduating University of Texas-Pan American. Roxxie has obtained her Engineering in Training (EIT) certification, has passed her Professional Engineering Exam, and as of October 2019 is eligible to apply for her Professional Engineering (PE) License in the state of Texas. Since joining the McAllen Team, Roxxie has engaged in the development of engineering Storm Water Pollution Prevention Plans (SWPPP), cost estimates, drainage reports, subdivision plats, and the development of construction/design plans and specifications for civil projects involving: sanitary sewer and water, drainage, erosion control, paving and dimension, and utility relocations. Roxxie has assisted in construction administration tasks when required by the Client, as well as attended construction meetings and site visits.

### Representative Experience Includes:

- **Mission Plaza Development at Northeast Corner of W. Griffin Parkway and N. Conway Avenue** - Design engineer who assisted the Project Engineer on a feasibility study and preliminary design for Mission Plaza Development in Mission, Texas. Topographic survey of the site was used to evaluate and develop the preliminary civil site design. Civil design exhibits were developed for water, wastewater, drainage, and franchise utilities corridors to connect to existing utility lines. Additionally, storm water detention calculations were performed to size detention ponds as required.
- **Lee Means Elementary, Harlingen, Texas** - Design engineer for a newly constructed employee parking lot that consisted of 45 parking stalls, 2 accessible parking stalls, pedestrian sidewalk, grading and drainage improvements. Civil engineering documents consisted of paving and dimensional control, drainage design, grading scheming and suggested erosion control plan.

## EDUCATION

BS/Civil Engineering,  
University of Texas-  
Pan-American

## REGISTRATION

Professional Engineer  
TX #6011



## AARON TULEY, AICP | PLANNING

Mr. Tuley joined Halff Associates in May 2018, with 25 years of experience in the fields of landscape architecture, urban / regional design and planning; specializing in heritage (natural, cultural, and scenic) resource management. He is routinely involved in all phases of project development, from project inception, site selection, and programming, through planning and design, culminating in contract negotiation, administration, and management of construction operations.

### Representative Experience Includes:

- **Eagle Pass Planning Program, Eagle Pass, Texas** - Eagle Pass, Texas is a community of approximately 30,000 persons, located on the banks of the Rio Grande, about two hours south of San Antonio. As Lead Planner and Project Manager, Mr. Tuley worked with area residents, elected and appointed officials, to draft Eagle Pass' Comprehensive Plan, Parks and Recreation Master Plan, and Public Library Long-range Plan. Due to its proximity to Piedras Negras, and significant border crossing, Eagle Pass is experiencing significant growth.
- **Alvin Comprehensive Plan Update, Alvin, Texas** - The City of Alvin is a community of approximately 25,000 persons, located about 35 miles south of Downtown Houston. As Lead Planner and Project Manager Mr. Tuley worked with the citizens of Alvin to prepare its Comprehensive Plan Update.

## EDUCATION

MS/Architecture, Louisiana State University

BLA/Landscape Architecture, University of Kentucky

## REGISTRATION

American Institute of Certified Planners (AICP)  
#024915



## ANDRES PALMA, PE | GEOTECHNICAL ENGINEERING

Mr. Palma serves as office manager of MEG's Harlingen, Texas office. He has over 17 years experience in the engineering industry and vast knowledge in geotechnical engineering and construction materials testing in the South Texas area. Geotechnical projects that Mr. Palma has been involved with include mixed-use developments, urban mid-rise buildings, educational facilities, airport facilities, parking garages, commercial low-rise to mid-rise buildings, water and wastewater treatment facilities, elevated water towers, industrial facilities, multi-family developments, churches, residential subdivisions and general retail centers. Pavement design projects that Mr. Palma has been involved with include highways, industrial parks, heavy duty brick paving, freight centers and industrial applications.

### Representative Experience Includes:

- **The Vistana Condominiums, 17 story, San Antonio, Texas**
- **Tesoro Corporate Towers, 14 story, 7 Story, Parking Garages, San Antonio, Texas**
- **Morrison Crossing Development, Brownsville, Texas**
- **The Fingers Development, West Section Improvements, Port Isabel, Texas**
- **SH 365 Hidalgo County Regional Mobility Authority, Hidalgo County, Texas**
- **IBTC Corridor Hidalgo County Regional Mobility Authority, Hidalgo County, Texas**



## EDUCATION

BS/Civil Engineering,  
University of Texas, San Antonio

## REGISTRATION

Professional Engineer  
TX #115936



## PAUL RIELLY, PE | STRUCTURAL ENGINEERING

Paul Rielly is a senior structural engineer who joined Halff Associates in 1982 and currently has 38 years of design experience. His experience includes commercial, industrial, institutional buildings, bridges, and civil projects. He has provided structural design services for more than 600 projects located throughout the United States, Saudi Arabia, Korea, and Mexico. These projects have involved a wide variety of construction materials including structural steel, reinforced concrete, post-tensioned concrete, precast/prestressed concrete, reinforced masonry, soil, timber and fabric structures.

### Representative Experience Includes:

- **Valley Vista Estates Drainage Outfall, Lewisville, Texas** - Project Structural Engineer for design/engineering and construction phase services for channel improvements which consisted of modifying an existing 60-inch storm drain outfall for Valley Vista Estates to address channel and outfall erosion. Project involves detailed survey, field observations, soil borings, and hydrologic and hydraulic modeling. The project corridor is 200 linear foot and included an impact basin design and natural channel design to the confluence with Timber Creek.
- **Lorean Branch Channel Replacement Project, Hurst, Texas** - Structural Engineer for a stormwater drainage channel replacement project. The original structure was heavily damaged due to hydraulic uplift from poor subgrade drainage. The replacement design consisted of 400 lf of trapezoidal concrete channel with reinforced concrete retaining walls and an extensive drainage system.

## EDUCATION

BS/Architectural Engineering, University of Texas at Austin

BA/Architecture, University of Texas at Austin

## REGISTRATION

Professional Engineer  
TX # 61307



## TIM MAY, PLA, CLARB, LEED AP | LANDSCAPE ARCHITECTURE

Mr. May joined Halff Associates in July 2016 in our Houston office. His experience of more than 35 years includes management, design, production and construction observation for projects, including elements such as parks, trails, amenity centers, entry features, hike and bike trails, recreational facilities, homeowners' associations, and water features. His has successfully assisted in the land planning and zoning of several large-scale master plan communities, as well as high profile landscape development and management of numerous projects.

### Representative Experience Includes:

- **Pedestrian Plaza, Tarleton State University, Stephenville, Texas** - Served as the QA/QC manager and construction administrator for the Student Terrace, a street-to-pedestrian-plaza conversion of two major through-campus bisecting streets. Challenges included numerous conflicts with existing utilities, drainage structures, ADA access, student security, buildings, and service vehicle access and circulation.
- **U.S. Hwy 180 Streetscape, Hudson Oaks, Texas** - The project management and design of a 3-mile length of 4-lane divided arterial thoroughfare and TXDOT roadway through the City. Scope included the curb and median installation of an existing roadway, new drought tolerant median plantings, roadway surface drainage improvements, City gateway monumentation enhancements, complete new state of the art irrigation system design, and decorative median nose pavement. Streetscape was 40% funded by the TXDOT Green Ribbon program.
- **Weatherford College Softball Complex, Weatherford, Texas** - The landscape architect for the design, layout, and construction administration for competition play women's softball field. Design included infield and warning tract soil specifications, outfield sod, fencing, dugouts, and bleachers. Challenges met in having softball field improvements made so as not to interrupt or conflict with a high pressure natural gas pipeline crossing the site from left field to first base.

## EDUCATION

BLA/Landscape Architect, Kansas State University

## REGISTRATION

Registered Landscape Architect TX #1227

Texas Department of Transportation Certification, LGPP

CLARB, Council Record #5444

LEED AP, United States Green Building Council





# REFERENCES

---

## **Hidalgo County**

Commissioner David Fuentes

(956) 968-8733

Commissioner1@co.hidalgo.tx.us

## **Hidalgo County Drainage District No. 1**

Raul Segin, PE, CFM

General Manager

(956) 292-7080

raul.segin@hcdd1.org

## **City of Pharr**

Omar Anzaldua, PE, CFM, PMP

City Engineer

(956) 540-9122

omar.anzaldua@pharr-tx.gov

## **City of McAllen**

Yvette Barrera, PE, CFM

City Engineer

(956) 681-1150

ybarrera@mcallen.net

## **City of Alton**

Jeff Underwood

City Manager

(956) 432-0760

Jeff.underwood@alton-tx.gov



# APPENDIX



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
6/7/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                         |  |                                                                                                                                                                        |               |
|-----------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>PRODUCER</b><br>Bell Insurance Group<br>16980 DALLAS PKWY STE 210<br>DALLAS TX 75248 |  | <b>CONTACT NAME:</b> Stefani Pegram<br><b>PHONE (A/C, No, Ext):</b> 972-581-4915<br><b>FAX (A/C, No):</b> 972-581-4850<br><b>E-MAIL ADDRESS:</b> spegram@bellgroup.com |               |
|                                                                                         |  | <b>INSURER(S) AFFORDING COVERAGE</b>                                                                                                                                   | <b>NAIC #</b> |
|                                                                                         |  | INSURER A: National Fire Ins. Co.                                                                                                                                      | 20478         |
|                                                                                         |  | INSURER B: Amer. Casualty Co of ReadingPA                                                                                                                              | 20427         |
|                                                                                         |  | INSURER C: Allied World Surplus Lines                                                                                                                                  | 24319         |
|                                                                                         |  | INSURER D: Continental Ins Co                                                                                                                                          | 35289         |
|                                                                                         |  | INSURER E:                                                                                                                                                             |               |
|                                                                                         |  | INSURER F:                                                                                                                                                             |               |

### COVERAGES

CERTIFICATE NUMBER: 2030638105

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                                                                        | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                            |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br><input checked="" type="checkbox"/> OTHER: Contractual Liab |           |          | 6049909053    | 7/12/2020               | 7/12/2021               | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000<br>MED EXP (Any one person) \$ 15,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>\$ |
| A        | <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY<br><input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY                                                                                                                        |           |          | 6049909036    | 7/12/2020               | 7/12/2021               | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                                                                   |
| D        | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000                                                                                                         |           |          | 6049909070    | 7/12/2020               | 7/12/2021               | EACH OCCURRENCE \$ 5,000,000<br>AGGREGATE \$ 5,000,000<br>\$                                                                                                                                                                                      |
| B        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                                                                            | Y/N<br>N  | N/A      | 6049909067    | 7/12/2020               | 7/12/2021               | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                         |
| C        | Professional Liab. Claims Made                                                                                                                                                                                                                                                                                                                                           |           |          | 0311-3813     | 7/12/2020               | 7/12/2021               | Per Claim Aggregate 1,000,000<br>1,000,000                                                                                                                                                                                                        |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

When certificate holder is shown, that certificate holder and the certificate holders client can be named as an Additional Insured with respects to General Liability and Automobile Liability, as required by written contract.

### CERTIFICATE HOLDER

### CANCELLATION

|        |                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
|        | AUTHORIZED REPRESENTATIVE<br>                                                                                                                                  |

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CITY OF WESLACO RFP 2019-20-24

Engineering/Architectural/Surveying Services for CDBG-MIT Program

CONFIDENTIAL/PROPRIETARY PER §552 | 27

# APPENDIX

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## STATEMENT OF CONFLICTS OF INTEREST

Neither Halff Associates, Inc. or any key employees have a conflict regarding the requested services or any working relationship that may be perceived by disinterested parties as a conflict. Halff Associates, Inc. has no potential conflicts of interest.



# APPENDIX

## SYSTEM FOR AWARD MANAGEMENT (SAM) VERIFICATION

View Details - Entity Overview | System for Award Management

Page 1 of 1



A NEW WAY TO SIGN IN - If you already have a SAM account, use your **SAM email** for login.gov.

[Log In](#)

[Login.gov FAQs](#)

**⚠️ ALERT:** SBA connectivity is experiencing an outage. For questions about small business size status, users should return later or contact SBA directly ([www.sba.gov](http://www.sba.gov)).

**⚠️ ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 09/12/2020 from 8:00 AM to 1:00 PM.

|                                         |                                                                                                                                                                                                                                           |                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Entity Dashboard</b>                 | HALFF ASSOCIATES, INC.<br>DUNS: 022823574 CAGE Code: 3VUU0<br>Status: Active<br>Expiration Date: 06/22/2021<br>Purpose of Registration: All Awards                                                                                        | 5000 W MILITARY HWY STE 100<br>MCALLEN, TX, 78503-8871 ,<br>UNITED STATES |
| <a href="#">Entity Overview</a>         | <b>Entity Overview</b>                                                                                                                                                                                                                    |                                                                           |
| <a href="#">Entity Registration</a>     |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Core Data</a>               |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Assertions</a>              |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Reps &amp; Certs</a>        |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">POCs</a>                    |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Exclusions</a>              |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Active Exclusions</a>       |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Inactive Exclusions</a>     |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">Excluded Family Members</a> |                                                                                                                                                                                                                                           |                                                                           |
| <a href="#">RETURN TO SEARCH</a>        |                                                                                                                                                                                                                                           |                                                                           |
|                                         | <b>Entity Registration Summary</b><br>Name: HALFF ASSOCIATES, INC.<br>Business Type: Business or Organization<br>Last Updated By: Brad Ezell<br>Registration Status: Active<br>Activation Date: 06/24/2020<br>Expiration Date: 06/22/2021 |                                                                           |
|                                         | <b>Exclusion Summary</b><br>Active Exclusion Records? No                                                                                                                                                                                  |                                                                           |



IBM-P-20200814-1154  
WWW2

|                                |                                |                             |
|--------------------------------|--------------------------------|-----------------------------|
| <a href="#">Search Records</a> | <a href="#">Disclaimers</a>    | <a href="#">FAPIIS.gov</a>  |
| <a href="#">Data Access</a>    | <a href="#">Accessibility</a>  | <a href="#">GSA.gov/IAE</a> |
| <a href="#">Check Status</a>   | <a href="#">Privacy Policy</a> | <a href="#">GSA.gov</a>     |
| <a href="#">About</a>          |                                | <a href="#">USA.gov</a>     |
| <a href="#">Help</a>           |                                |                             |

This is a U.S. General Services Administration Federal Government computer system that is "FOR OFFICIAL USE ONLY." This system is subject to monitoring. Individuals found performing unauthorized activities are subject to disciplinary action including criminal prosecution.

<https://www.sam.gov/SAM/pages/public/entitySearch/entitySearchEntityOverview.jsf>

9/3/2020

# APPENDIX

## SYSTEM FOR AWARD MANAGEMENT (SAM) VERIFICATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SAM Search Results</b><br><b>List of records matching your search for :</b><br><br><b>Classification: Individual</b><br><b>Classification: Individual</b><br><b>Classification: Individual</b><br><b>Classification: Individual</b><br><b>Functional Area: Performance Information</b><br><b>Record Status: Active</b><br><b>Name1: Mark Edwards</b><br><b>Name2: Todd Jackson</b><br><b>Name3: Russell Zapalac</b><br><b>Name4: Joseph Sagel</b> |                                                                                                                                                                                                    |
| <b>EXCLUSION</b> TODD JACKSON                                                                                                                                                                                                                                                                                                                                                                                                                        | Status: Active                                                                                                                                                                                     |
| DUNS:                                                                                                                                                                                                                                                                                                                                                                                                                                                | CAGE Code:                                                                                                                                                                                         |
| Classification: Individual<br>Address: --<br>City: JACKSONVILLE<br>State/Province: FLORIDA<br>ZIP Code: 32221<br>Country:                                                                                                                                                                                                                                                                                                                            | Exclusion Type: Prohibition/Restriction<br>Excluding Agency: HEALTH AND HUMAN<br>SERVICES, DEPARTMENT OF - 1792<br>Activation Date: 11/20/2014<br>Termination Date:--<br>Creation Date: 11/20/2014 |

| <b>CONFLICT OF INTEREST QUESTIONNAIRE</b><br><b>For vendor doing business with local governmental entity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        | <b>FORM CIQ</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| <p><b>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</b></p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>                                                                                                                                                                                                                                                                                                                                 | <b>OFFICE USE ONLY</b> |                 |
| <p><b>1 Name of vendor who has a business relationship with local governmental entity.</b></p> <p><b>THERE ARE NO KNOWN BUSINESS RELATIONSHIPS BETWEEN HALFF ASSOCIATES, INC. OR ANY OF ITS EMPLOYEES OR PRINCIPALS WITH THE LOCAL GOVERNMENTAL ENTITY</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Date Received</p>   |                 |
| <p><b>2</b> <input type="checkbox"/> <b>Check this box if you are filing an update to a previously filed questionnaire.</b> (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                 |
| <p><b>3 Name of local government officer about whom the information is being disclosed.</b></p> <p style="text-align: center;"><b>None</b></p> <p style="text-align: center;">_____<br/>Name of Officer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                 |
| <p><b>4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.</b></p> <p style="margin-top: 20px;">A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes      <input type="checkbox"/> No      <b>NOT APPLICABLE</b> </p> <p style="margin-top: 20px;">B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes      <input type="checkbox"/> No      <b>NOT APPLICABLE</b> </p> |                        |                 |
| <p><b>5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.</b></p> <p style="text-align: center; margin-top: 20px;"><b>NONE</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                 |
| <p><b>6</b> <input checked="" type="checkbox"/> <b>N/A</b> Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                 |
| <p><b>7</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p style="text-align: center;"></p> <p style="text-align: center;">_____<br/>Signature of vendor doing business with the governmental entity</p> </div> <div style="width: 45%; text-align: right;"> <p><b>9/10/2020</b></p> <p style="text-align: center;">_____<br/>Date</p> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                 |

## APPENDIX

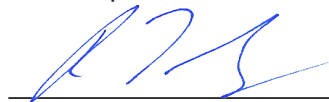
---

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Robert Saenz, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

**Robert Saenz, Vice President Director of Land Development / Public Works, McAllen**

\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

**9/10/2020**

\_\_\_\_\_  
Date



# APPENDIX

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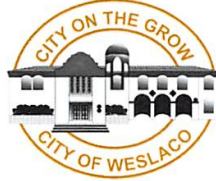
## REQUIRED CONTRACT PROVISIONS

Halff Associates, Inc. understands that applicable provisions enclosed in Exhibit D must be included in all contracts executed as a result of this RFQ.

# ADDENDUM NO. 1 ACKNOWLEDGMENT

## City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

QUALIFICATIONS DUE  
DATE & TIME:  
September 10, 2020 at  
3:00 PM

RFQ# 2019-20-24

Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2010 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFOenJjcjZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,  
hrhodes@weslacotx.gov

Purchasing Agent

Acknowledged by Firm:

date: 9/10/2020

255 S. KANSAS AVE. ■ WESLACO, TEXAS 78596-6285 ■ 956-968-3181 ■ WWW.WESLACOTX.GOV



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**HALFF ASSOCIATES, INC.**  
**5000 West Military, Suite 100**  
**McAllen, TX 78503-7446**  
**Main: (956) 445-5198**

**[WWW.HALFF.COM](http://WWW.HALFF.COM)**



# CITY OF WESLACO

RFQ NO. 2019-20-24  
ENGINEERING / ARCHITECTURAL / SURVEYING  
SERVICES FOR COMMUNITY DEVELOPMENT BLOCK  
GRANT MITIGATION

SEPTEMBER 10, 2020

SUBMITTED BY:



GIGNAC

ARCHITECTURE | CONSTRUCTION MANAGEMENT



*“While working with Gignac Architects, they design team has been very knowledgeable ... The team works closely with its clients and has been very knowledgeable about design. We recommend them for other city projects as well.”*

*Manuel “Sonny” Mello  
City of Eagle Pass*

September 10, 2020

City of Weslaco  
ATTN: Homer Rhodes  
Purchasing Manager  
Weslaco, TX 78596

**RE: RFQ for Engineering / Architectural / Surveying Services**

Dear Mr. Rhodes and Selection Committee:

We are pleased to submit the following Statement of Qualifications to the City of Weslaco for your consideration of our team for Engineering / Architectural / Surveying Services. The Gignac team is an Architecture and Construction Management firm, established in the Rio Grande Valley, with plenty of experience on municipal and federally funded projects, and a reputation for quality. We can confirm that our firm meets the appropriate state licensing requirements to practice as an Architect in Texas; We do not have a record of substandard work; and we have not engaged in any unethical practices. We have recent experience working with the City and it's personnel, and upon closer review of our proposal, you and your Selection Committee will see why our team is highly qualified to successfully complete these projects.

With an office right in McAllen, many of our team members are very familiar with local conditions and facility operations. Our team, and all team members, are committed to seeing these projects through to successful completion, if you find our team the right fit for Hidalgo County.

We have committed our Lead Construction Manager, Richard Tagle, our key Principal, Raymond Gignac, AIA, and the head of our McAllen Office, Juan Mujica, along with subsequent key team members to see this project through from inception to completion. We look forward to continuing a harmonious relationship with the City of Weslaco and its project team. By encouraging an open dialogue, we ensure that our entire project team fully understands the goals of our clients. This, in turn, allows us to provide solutions that meet and surpass the vision of those clients, creating facilities that are user friendly, efficient, and assets to the community.

We will consult the City's stakeholder committee and user groups to bring together all of their requirements for the projects and grant applications. We understand the scope of services at hand for these projects, and can confidently state that our team can assist the City of Weslaco in performing all required **pre-funding and post-funding services**. This cohesive team knows how important that is to you and what it takes to be successful.

If selected, we **can confidently state that we have the resources and capacity to perform the chosen Scope of Work activities**, and that we will be able to commence services immediately after successfully negotiating a contract for services. We are constantly assessing our workload, evaluating teams, and ensuring that projects have the right people and the right number of staff working on them at any given time. We are also very familiar with the area of Hidalgo County, with several members of our staff being from Hidalgo County, and having an office right in McAllen.

We have the interests of the City of Weslaco, first and foremost, at the top of our agenda, and we look forward to the opportunity to further demonstrate our qualifications in an in-person interview.

Sincerely,



**Raymond Gignac, AIA**

Principal-in-Charge | rgignac@gignac-associates.com  
3700 N. 10th Street, Suite 205  
McAllen, Texas 78504  
Mobile: 361.442.4345 | Office: 956.686.0100





# CONTENTS

Transmittal Letter

1

## COMPANY PROFILE

Firm History 1

Project Team 2-10

2

## EXPERIENCE

List of Relevant Projects 13-14

Relevant Project Sheets 15-23

3

## REFERENCES

List of References 27

4

## REQUIRED FORMS

Certificate of Liability Insurance 31

Forms 32-36





1





STAPLES STREET  
STATION

ON



## MCALLEN OFFICE

3700 N. 10th St  
Suite 205  
McAllen, Texas 78501  
P: 956.686.0100  
F: 956.622.7313

## HARLINGEN OFFICE

222 E. Van Buren  
Suite 102  
Harlingen, TX 78550  
P: 956.365.4820  
F: 956.365.4822

## CORPUS CHRISTI OFFICE

416 Starr Street  
Corpus Christi, TX 78401  
P: 361.884.2661  
F: 361.884.422

## COMPLETE ARCHITECTURAL SERVICES:

Schematic Design, Design Development,  
Construction Documents,  
and Construction Administration

### **Construction Management**

Site Planning  
Project Specifications  
Project Manuals  
Bidding Coordination  
Parking Planning / Design / Layout  
Landscape Architecture  
Master Planning  
3D Computer Visualization  
Streetscapes  
Lighting Design  
Project Team Coordination  
Traffic Coordination  
Utilities Coordination  
Building Information Modeling  
Code Review, ADA Compliance  
Interior Design  
Sustainability & LEED Services  
Cost Estimating

## TEAM SERVICES:

Civil, Mechanical, Electrical, Plumbing and  
Environmental Engineering Services  
Surveying  
Drainage & Utilities Specialists  
Traffic & Signals Consultant  
Soils Testing  
Construction Material Testing  
Public Relations  
Construction Mitigation  
Graphics & Wayfinding



Gignac & Associates, LLP (d.b.a Gignac | Architecture Construction Management) has been serving Texas with Architectural, Interior and Landscape Design Services since 1988 when it was established by Raymond Gignac, AIA (Texas Registration 6296). The company is classified as a limited liability partnership. Gignac | Architecture Construction Management is a full service firm providing planning expertise in educational, institutional, municipal and commercial work with an emphasis on quality design. We provide three office locations, in Corpus Christi, Harlingen and McAllen to better serve our South Texas clients with quick, responsive expertise.

Raymond Gignac, Principal-in-Charge, brings over 30 years of experience in Texas, New Mexico, California, Washington D.C., Virginia, and Maryland in all aspects of Architectural practice. As leader of the project team, Raymond personally oversees quality, cost control, and commitment to project deadlines. With this leadership, the Gignac team has successfully completed educational and commercial projects of all sizes—on time and in budget.

Gignac | Architecture Construction Management employs a full staff of design and construction professionals to promote quality in overall project management. We will commit the work force necessary to complete your projects within the designated schedule. Each project team is tailored to address the unique challenges and opportunities to ensure a successful project. Gignac & Associates, LLP has successful experience with projects from a wide-range of construction projects, including new construction and renovations or additions, and an estimated 75% of our workload involves complex additions and renovations. We have extensive experience in transforming existing structures into high performance buildings with new purposes.

Gignac | Architecture Construction Management is a Minority Business Enterprise and a Historically Underutilized Business (HUB) in the State of Texas. Our design team has no pending litigation at this time, and is not for sale, or involved in any transactions.

Since 1988, Gignac & Associates, LLP has taken pride in providing a full range of services to meet the needs of our clients and to communicate both graphically and personally. We have the technology to transmit digital images from the job site to our offices, as well as to our clients instantaneously, via digital imaging. We provide complete architectural, interior design, and landscape services in-house.



# PROJECT TEAM ORGANIZATION



The following personnel will be included on our project team for this project. Please see the following pages for resumes, including education, experience, capabilities, and accomplishments.

**RAYMOND GIGNAC, AIA**  
Principal-in-Charge

**ROLANDO GARZA, AIA**  
Project Director / Architectural Design Manager

**NICK GIGNAC, ASSOCIATE AIA, LEED AP BD+C**  
Architectural Designer / Project Manager

**JUAN MUJICA**  
Project Manager

**ANA LUKSA**  
Assistant Project Manager

**FRED L. KURTH, PE, RPLS**  
Civil Engineer (Melden & Hunt)

**JESUS GABRIEL HINOJOSA, PE, LEED AP**  
Mechanical Engineer (SIGMA HN)

**ROLANDO R. RUBIANO, PE**  
Structural Engineer (GRA)



## City of Weslaco

### PRINCIPAL-IN-CHARGE

**RAYMOND GIGNAC, GIGNAC**

### PROJECT MANAGER / ARCHITECT

**ROLANDO GARZA, GIGNAC**

### PROGRAMMING / DESIGN

ARCHITECTURAL DESIGNER

**NICK GIGNAC, GIGNAC**

PROJECT MANAGER

**JUAN MUJICA, GIGNAC**

ASSISTANT PROJECT MANAGER

**ANA LUKSA, GIGNAC**

### STRUCTURAL ENGINEERING

GREEN, RUBIANO & ASSOCIATES

### MEP ENGINEERING

SIGMA HN ENGINEERING

### CIVIL ENGINEERING

MELDEN & HUNT



**RAYMOND GIGNAC, AIA, RID**  
PRINCIPAL-IN-CHARGE

**R**aymond Gignac, as principal of Gignac & Associates, is responsible for coordinating and overseeing personnel, consultants, and the management of projects. He has a wide range of experience in design of educational, institutional, commercial and municipal facilities. Raymond brings to the project team over 35 years of experience with completed construction costs approaching \$1 billion. Raymond will head the project team as Principal-in-Charge and Project Manager with project oversight from the earliest stages of programming and design to project close out.

### EDUCATION

Bachelor of Environmental Design,  
Texas A&M University, 1972  
Master of Architecture, Texas A & M  
University, 1974

### REGISTRATION

Architectural: Texas #6296, 1977;  
Maryland, 1984; Virginia, 1985; District  
of Columbia, 1985; Oklahoma, 2001  
NCARB: 1984  
Interior Design: 1994  
Society of Military Engineers: Texas  
1995

### PROFESSIONAL AFFILIATIONS

American Institute of Architects  
National Council of Architectural  
Registration Boards  
United States Green Building Council  
Texas Society of Architects  
Architecture Council for Excellence,  
Texas A&M University  
Texas A & M Legacy Society

### AWARDS

#### AMERICAN BANK CENTER

2005 The American Institute of  
Architects, Corpus Christi Chapter,  
Citation Award  
2005 The Miami Chapter of the  
American Institute of Architects, Design  
Awards Finalist

#### MCALLEN CONVENTION CENTER

2008 American Society of Landscape  
Architect, Merit Award  
2008 Texas Architect (May/June)

#### CORPUS CHRISTI NORTH BAYFRONT PARK

2013 American Institute of Architects,  
Corpus Christi, Design Honor Award

### EXPERIENCE

- Hidalgo County Sheriff's Substation, Hidalgo County, Texas
- Cameron County Courthouse Annex Building, Harlingen, Texas
- Resaca Walk Master Plan, City of San Benito, San Benito, Texas
- McAllen Convention Center 100-acre Master Plan, City of McAllen, McAllen, Texas
- City of Portland Police Station, Portland, Texas
- Harlingen Fire Station #4, Harlingen, Texas
- City of Portland City Hall, Portland, Texas
- American Bank Center Multipurpose Arena, Corpus Christi, Texas
- Stripes Headquarters Building- Corpus Christi, Texas
- Port of Corpus Christi Administration Building, Corpus Christi, Texas
- Corpus Christi Convention Center Additions and Renovations, City of Corpus Christi
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- McAllen Convention Center, City of McAllen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Public Safety Complex, Eagle Pass, Texas
- La Joya ISD Police Station, La Joya, Texas
- New Veterans Memorial High School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- 75-acre Master Plan, Veterans Memorial High School, Corpus Christi ISD, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Master Plan for Tuloso-Midway ISD Multipurpose Facility & FEMA Community Safe Room, Tuloso Midway ISD, Corpus Christi, Texas
- Pharr San-Juan Alamo ISD, Collegiate Academy Master Plan, Pharr, Texas
- Zachary Kolda Elementary School ([LEED Certified](#)), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School ([LEED Silver](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- University of Texas Regional Academic Health Center, Harlingen, Texas
- Texas A&M University Corpus Christi IDIQ for Architectural Services, Corpus Christi, Texas
- Texas A&M University Corpus Christi Moody Fieldhouse, Corpus Christi, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Mercedes ISD Additions & Renovations to Taylor Elementary School, Mercedes, Texas
- Kennedy Elementary School Additions & Renovations, Mercedes ISD, Mercedes, Texas
- High School Athletic Complex Improvements, Point Isabel ISD, Port Isabel, Texas
- Derry Elementary School Classroom Wing Addition, Point Isabel ISD, Port Isabel, Texas
- Juarez Lincoln High School Science Lab Additions, La Joya ISD, La Joya, Texas
- Bay Education Service Center, City of Rockport in conjunction with University of Texas, Rockport
- And many more...

# PROJECT TEAM



## ROLANDO GARZA, AIA, LEED AP BD+C SR. PROJECT ARCHITECT

**R**olando has been with Gignac & Associates for over 30 years. He acts as Sr. Project Architect for many of Gignac & Associates' commissions. In addition to his experienced management skills, Rolando brings to the project team a broad working knowledge of building design and code compliance from ADA concerns to life safety. Rolando also leads our energy conservation awareness concerns as they relate to architectural design. Rolando will be involved with this project from its inception until its completion. **Rolando is a LEED Accredited Professional.**

### EDUCATION

Bachelor of Architecture, University of Texas, Austin, 1984  
Oxford Summer Study Program, Oxford, England

### REGISTRATION

Architecture: Texas #13642, 1991

### PROFESSIONAL AFFILIATIONS

American Institute of Architects  
National Council of Architectural Registration Boards  
United States Green Building Council  
Texas Society of Architects

### EXPERIENCE

- Hidalgo County Sheriff's Substation, Hidalgo County, Texas
- Corpus Christi Regional Transportation Authority Customer Service Center & Transfer Station
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Public Safety Complex, Eagle Pass, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Cameron County Courthouse Annex Building, Harlingen, Texas
- La Joya ISD Police Station, La Joya, Texas
- City of Portland Police Station, Portland, Texas
- Harlingen Fire Station #4, Harlingen, Texas
- University of Texas Regional Academic Health Center, Harlingen, Texas
- American Bank Center Multipurpose Arena, Corpus Christi, Texas
- Stripes Headquarters Building- Corpus Christi, Texas
- Port of Corpus Christi Administration Building, Corpus Christi, Texas
- City of Portland Public Buildings Facilities & Master Plan Portland, Texas
- McAllen Convention Center & Master Plan: McAllen, Texas
- Bayfront Master Plan & Shoreline Road Re-Alignment, Corpus Christi,
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Texas A&M University Corpus Christi IDIQ for Architectural Services, Corpus Christi, Texas
- 75-acre Master Plan, Veterans Memorial High School, Corpus Christi ISD, Corpus Christi, Texas
- Master Plan for Tuloso-Midway ISD Multipurpose Facility & FEMA Community Safe Room, Tuloso Midway ISD, Corpus Christi, Texas
- Pharr San-Juan Alamo ISD, Collegiate Academy Master Plan, Pharr, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- McAllen Convention Center 100-acre Master Plan, City of McAllen, McAllen, Texas
- Kennedy Elementary School Additions & Renovations, Mercedes ISD, Mercedes, Texas
- High School Athletic Complex Improvements, Point Isabel ISD, Port Isabel, Texas
- Derry Elementary School Classroom Wing Addition, Point Isabel ISD, Port Isabel, Texas
- Juarez Lincoln High School Science Lab Additions, La Joya ISD, La Joya, Texas
- Raymondville High School Additions and Renovations, Raymondville ISD, Raymondville, Texas
- Repurposing of Memorial Middle School to Administration Annex, Harlingen CISD, Harlingen
- Additions & Renovations to Ruben Hinojosa Elementary School, Mercedes ISD, Mercedes, TX
- Zachary Kolda Elementary School ([LEED Certified](#)), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School ([LEED Silver](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Veterans Memorial High School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Los Encinos Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- And many more...





## RICHARD TAGLE

### CONSTRUCTION MANAGER

**R**ichard Tagle has over **33 years** of broad construction management experience which has enabled him to successfully manage projects ranging from the low millions to hundreds of millions of dollars. His ability to successfully complete projects, on budget, and on schedule, while maintaining the safety and integrity of the project, is impeccable. To accomplish such a record he defines project goals, schedules, substantial completion plans, essential resources, risk assessment, budget, safety enforcement thresholds, project controls, and the requirements to close-out the task.

#### EDUCATION

Calhoun High School,  
Port Lavaca, Texas.  
Capital City Trade and Technical School

#### REGISTRATION

OSHA Safety Certification  
HAZ/MAT Certification  
Asbestos and Lead Abatement  
Certification  
Engineering, Procurement and  
Construction Project Manager (EPCPM)  
Certification  
Project Management Training: Legal,  
Project Cost, Schedule Management,  
Safety and  
AutoCAD Certification

#### PROFESSIONAL AFFILIATIONS

United States Corps of Engineers  
Construction Management Training  
Committee

#### EXPERIENCE

- Seabees Training Facilities-Port Hueneme, California  
MIW OPS Support Facility – Naval Station Ingleside  
Replacement of Control Towers Cabaniss and Waldron Field,
- NAVSTA-CC  
MOMAU-15 Naval Station Ingleside  
Electrical upgrade at Naval Hospital – NAVSTA-CC  
Renovation of the 250 Military Housing Units – NAVSTA-CC  
Renovation of the Admirals Administration Building – NAVSTA-CC  
Renovation of the Naval Administration Building 1 – NAVSTA-  
Renovation of the Naval Hotel Facility – NAVSTA-CC  
Renovation of the Naval PX Building – NAVSTA-CC  
Renovation of a three-story Administration Building – NAVSTAKingsville  
Renovation of the 200 Military Housing Units – Bergstrom Air Force
- 
- Brewster Ice House
- School of Science & Technology
- Corpus Christi Independent School District (CCISD)  
Los Encinos & Calk-Wilson Elementary
- Tuloso-Midway Independent School District (TMISD)  
High School FEMA/ TSSI Safe Shelter Dome  
Intermediate School FEMA/TSSI Safe Shelter Dome  
New Performing Arts Center & Common Areas Improvements  
High School Natatorium  
Middle School Auditorium  
Primary & Intermediate Roofing Improvements  
High School Athletic Sports Complex  
Security Intrusion  
Vocational Technology Building  
New Agricultural Barn Complex  
Intermediate Classroom Addition
- Driscoll Independent School District (DISD)  
New PK-8th Grade Campus
- George West Independent School District (GISD)  
New High School
- And many more...





## JUAN MUJICA, ASSOCIATES AIA PROJECT MANAGER

Juan launched the Rio Grande Valley Office of Gignac & Associates in Harlingen, Texas in April of 2000 and has been with Gignac Architects ever since. Juan effectively serves many roles, often as Project Manager for of educational, institutional, and municipal facilities. With over 21 years of total experience, he has completed over 50 projects with Gignac & Associates and has experience in project scopes ranging from small additions and renovations to large-scale convention centers and new high schools. Juan is typically involved in a project from inception and will maintain a presence throughout construction administration.

### EDUCATION

Bachelor of Architecture, University of Houston, Houston, TX 1992  
Minor in Philosophy

### REGISTRATION

Associate AIA

### PROFESSIONAL AFFILIATIONS

American Institute of Architects  
NCARB Candidate  
Texas Society of Architects  
Lower Rio Grande Valley Chapter of American Institute of Architects

### EXPERIENCE

- Hidalgo County Sheriff's Substation, Hidalgo County, Weslaco, Texas
- Harlingen Fire Station No. 4, City of Harlingen, Harlingen, Texas
- City of San Benito Resaca Walk Municipal Master Plan, San Benito, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- City of Mercedes Multipurpose Facility & FEMA Community Safe Room, Mercedes, Texas
- Palo Alto Service Center & Central Warehouse, Brownsville, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with University of Texas, Rockport, Texas
- Stephen F. Austin Replacement Middle School, PSJA ISD, San Juan, TX
- Raul I. Longoria Elementary School, PSJA ISD, Pharr, TX
- New Jaime Escalante Middle School, PSJA ISD, Pharr, TX
- Lee H. Means Elementary School, HCISD, Harlingen, TX
- Moises V. Vela Middle School, HCISD, Harlingen, TX
- Early College High School at TSTC, HCISD, Harlingen, TX
- San Juan Replacement Middle School, PSJA ISD, San Juan, TX
- Tennis Courts Replacement, Harlingen High School, Harlingen HS South, HCISD, Harlingen, TX
- District Wide Additions and Renovations to Point Isabel ISD, Port Isabel, TX
- New Athletic Fields / Football Stadium Upgrades, Port Isabel ISD High School, Port Isabel, TX
- District Wide Additions / Renovations to HCISD, HCISD, Harlingen, TX
- Rio Hondo Elementary School, Rio Hondo ISD, Rio Hondo, TX
- Rio Hondo Sports Complex, Rio Hondo ISD, Rio Hondo, TX
- Additions to Rio Hondo High School, Rio Hondo ISD, Rio Hondo, TX
- Castaneda Elementary School, McAllen ISD, McAllen, TX
- District Wide Additions and Renovations to McAllen ISD, McAllen, TX
- Juarez-Lincoln High School, La Joya ISD, La Joya, Texas
- Kennedy Middle School, Pharr San-Juan Alamo ISD, Pharr, Texas
- Harlingen CISD, Boggus Stadium, New Football Field, Track and Seating Expansion, Harlingen, Texas
- Austin Middle School, Pharr San-Juan Alamo ISD, San Juan, Texas
- New Aquatics Center, Harlingen CISD, Harlingen, Texas
- District Wide Additions and Renovations, Harlingen CISD, Harlingen, Texas
- Tuloso-Midway ISD Early Childhood Education Center Addition, Corpus Christi, Texas
- Point Isabel ISD Derry Elementary Classroom Wing Additions, Port Isabel, Texas
- University of Texas Regional Academic Health Center, Harlingen, Texas
- And many more...



## ANA SALAS-LUKSA

ASSISTANT PROJECT MANAGER

**A**s a native of Hidalgo County, Ana has been a cornerstone of our team since 2004, starting out in our Harlingen office, and recently moving to our McAllen office to be closer to her family. Ana's duties include design, production, and project coordination. You will often find Ana meeting with clients and owner representatives to ensure quality control. Ana has worked on a number of major projects for various public clients and across a wide-spectrum of project types.

### EDUCATION

Bachelor of Architecture, University of Texas at Austin, 2000

### PROFESSIONAL AFFILIATIONS

American Institute of Architects, Lower Rio Grande Valley

### EXPERIENCE

- San Benito Resaca Walk, City of San Benito, San Benito, Texas
- Cameron County Annex, Cameron County, Harlingen, Texas
- Fire Station No. 4, City of Harlingen, Harlingen, Texas
- La Joya Independent School District New Water Park Plan, La Joya, Texas
- City of South Padre Island Transit Multi-Modal Center, South Padre Island, Texas
- Lee Means Elementary School, Harlingen Consolidated Independent School District, Harlingen, Texas
- Kennedy Middle School, Pharr San-Juan Alamo Independent School District, Pharr, Texas
- Myra Green Middle School, Raymondville Independent School District, Raymondville, Texas
- Derry Elementary School Classroom Addition, Point Isabel ISD, Port Isabel, Texas
- Port Isabel High School Additions and Renovations, Port Isabel, Texas
- San Juan Middle School, Pharr San-Juan Alamo Independent School District
- Austin Middle School, Pharr San-Juan Alamo Independent School District
- Longoria Elementary School, Pharr San-Juan Alamo Independent School District
- Alamo Middle School, Pharr San-Juan Alamo Independent School District
- Jaime Escalante Middle School, Pharr San-Juan Alamo Independent School District
- Audie Murphy Middle School, Pharr San-Juan Alamo Independent School District
- Early College High School Additions and Renovations, Harlingen Consolidated Elementary School
- Baseball and Softball Field Improvements, Harlingen Independent School District
- Edinburg CISD Career and Technology Education Facilities (2), Edinburg, Texas
- PSJA ISD Collegiate Academy with CATE facilities and welding lab, San Juan, Texas
- Juarez Lincoln High School Additions with CATE facilities and welding lab, La Joya ISD, La Joya, Texas
- La Joya Independent School District New Water Park Plan, La Joya, Texas
- City of South Padre Island Transit Multi-Modal Center, South Padre Island, Texas
- Harlingen Aquatic Center, Harlingen CISD, Harlingen, TX
- Yzaguirre Middle School, Pharr San-Juan Alamo ISD, San Juan, TX
- La Joya Instructional Resource & Technology Facility, La Joya ISD, TX
- Point Isabel High School Athletic Improvements
- Point Isabel Junior High School Road Improvements, Port Isabel, TX
- Harlingen CISD 2016 Middle School Track Improvements, Harlingen, TX
- And many more...

## JESUS GABRIEL HINOJOSA, PE, LEED AP PRINCIPAL / MEP ENGINEER



**P**rior to pursuing his entrepreneurial endeavor with SIGMA in 2012, Gabriel had been with Halff Associates for more than 8 years. Gabriel has been involved in all aspects of MEP engineering design and project management for commercial, institutional, industrial, and educational facilities. He has extensive experience with new construction projects, additions, renovations, remodels, and improvements. He provides sustainable designs with a focus on energy efficient HVAC systems. Representative experience includes:

### EDUCATION

Bachelor of Science, Mechanical Engineering, Texas A&M University, 1998

### REGISTRATION

State of Texas Registered Professional Engineer No. 96585 (2005)  
Leadership in Energy and Environmental Design Accredited Professional, LEED AP (2009)  
Autodesk Revit MEP Training (2010)  
Project Management Training (2009)

### PROFESSIONAL AFFILIATIONS

American Society of Heating, Refrigerating, and Air-Conditioning Engineers  
American Society of Mechanical Engineers  
Society of Hispanic Professional Engineers  
Boys & Girls Club McAllen

### EXPERIENCE

- Edinburg CISD Elementary Schools Lighting Assessment, Edinburg, TX: Prime Firm Project Manager. Assisted the school district with lighting problems encountered after performing an LED lighting retrofit on six elementary schools. As a third party, we conducted an investigation and determined the root cause of the lighting problems and provided a solution that was implemented successfully.
- Edinburg CISD B.L. Garza Middle School Athletic Addition, Edinburg, TX: Project Manager and Mechanical Engineer of Record. A 3500 sf addition to the existing athletic locker rooms and weight room with a construction budget of \$750K. Three existing packaged DX rooftop units serving the locker rooms and weight rooms were removed. Each locker room and weight room consisting of addition and existing was served with a new single zone VAV packaged DX rooftop unit with and electric heat. Recirculation of air is not permitted in the locker rooms so the units serving the locker rooms were equipped with energy recovery wheels. Total HVAC renovation encompassed 11,500 sf with 40 tons. Plumbing included extension of existing domestic water to serve hose bibs and condensate drains.
- La Joya ISD Palmview High School Sports Lighting, La Joya, TX: Prime Firm Project Manager. Addition of two light poles to enhance lighting in the girl's softball field.
- La Joya ISD Irene Garcia Middle School Cafeteria & Kitchen, La Joya, TX: Prime Firm Project Manager and Mechanical Engineer of Record. Assisted the school district with replacing existing rooftop units that have exceeded their life expectancy, 45 tons serving 8500 sf. Reviewed construction documents of the existing conditions, created a floor plan in AutoCAD using the .pdf drawings, performed rough HVAC load calculations, and determined that the new units will have capacity to meet the HVAC load requirements.
- Brownsville ISD Food & Nutrition Service Warehouse, Brownsville, TX: Project Manager and Mechanical Engineer of Record. Project consists of a renovation and expansion of the existing facility that is approximately 25,000 sf with a total construction budget of \$6M. We conducted a site survey and assessed existing HVAC, plumbing, electrical, fire alarm, standby power, and telecommunications systems to determine if they had capacity for the proposed expansion. We identified areas where existing systems needed to be upgraded for compliance with current codes.
- Donna ISD Bennie La Prade Scoreboard Improvements, Donna, TX: Project Manager scoreboard improvements. Improvements included grounding and bonding and lightning protection. Total construction cost was \$80K.
- San Antonio ISD Jefferson High School Additions & Renovations, San Antonio, TX: Provided objective plan review services on a set of MEP construction documents prepared for the school district. Provided assistance with code interpretation and identified areas of noncompliance with building codes and school district facility standards.
- And many more...



**FRED L. KURTH, PE, RPLS**  
PROJECT MANAGER / CIVIL ENGINEER



**M**r. Kurth has over 35 years of civil engineering and surveying experience. He has led engineering and surveying projects throughout the South Texas region, for both governmental entities and private sector clients. He is proficient in scheduling and coordinating large public and private projects and has worked on a wide range of federal, state and local infrastructure projects. He has also worked on projects involving hydrology and hydraulic computations, flood studies, drainage projects, water and wastewater treatment systems, subdivision design and traffic engineering.

Since he has been with Melden and Hunt, he has been responsible for major street, water, sewer, and drainage improvements for the cities of Edinburg, Mission, McAllen, Hidalgo and Pharr. Mr. Kurth also assists and recommends to these municipalities on typical engineering matters such as Drainage Design, Urban Street Design, Utility Design and Subdivision Development. More importantly, Mr. Kurth has adequate experience working with Municipalities, Public Utilities, TXDOT, Irrigation Districts, Water Supply Districts and all other utility companies that will have an impact on your proposed project. It is important to point out that Mr. Kurth has a strong relationship with these entities since he works with them on a daily basis.

### EDUCATION

Iowa State University Ames, Iowa BS  
Civil Engineering, 1979 United States  
Air Force Academy Colorado Springs,  
Colorado 1974-1976 YEARS OF

### EXPERIENCE

35 Years Of Experience

### YEARS WITH PRIME FIRM

32 Years With Melden & Hunt, Inc. 12  
Years As President of Melden & Hunt,  
Inc.

### REGISTRATION

Licensed Professional Engineer Texas  
No. 54151 Licensed Professional Land  
Surveyor Texas No. 4750 AREAS OF

### EXPERTISE

Drainage Design Urban Street Design  
Roadway Design Utility Design  
Landscape & Irrigation Design  
Subdivision Development Right-of-  
Way Survey and Mapping Project &  
Construction Management Master  
Planning Capital Improvements  
Planning Wastewater Treatment Plants  
Wastewater Collection Systems Water  
Treatment Plants Water Distribution  
Systems Traffic Engineering Studies  
Transportation Planning & Design

### EXPERIENCE

Edinburg CISD  
IDEA Academy  
La Joya ISD  
McAllen ISD  
Mission CISD  
South Texas ISD  
South Texas College  
University of Texas at Pan American

Also, Mr. Kurth is acting City Engineer as a Consultant for a city in the Rio Grande Valley and assists and recommends to the city on all typical engineering matters facing cities with a population of 45,000 or less. Mr. Kurth also specializes in large land development projects and drainage engineering. He has also work for various educational institutions such as the University of Texas at Pan American, IDEA Academy, Mission CISD, Edinburg CISD, McAllen ISD, and La Joya ISD. The majority of his projects with these entities have been site development for new and existing facilities.

As a Project Manager/Engineer and primary point of contact, Mr. Kurth will develop a work plan and be responsible for scheduling and performance of all work associated with your proposed project. As Project Manager, Mr. Kurth will function as an extension of your staff to exceed your performance objectives and to respond to your needs on short notices. He will be responsible for project management and will select the appropriate personnel from our staff based on the requirements of the tasks needed. He is also committed to engaging all the necessary resources to expedite any proposed project. He will work out of our Edinburg office to serve as our base of operations and will actively participate in any questions and/or consultation requested by South Texas College. In addition, Mr. Kurth is a Registered Professional Engineer and a Registered Professional Land Surveyor in the State of Texas who will serve as your Engineering Design Advisor and Land Surveyor on your project.

Again, Mr. Kurth will provide his project understanding gained through more than 35 years of engineering and surveying experience from various clients in South Texas. Also, as a principal-in-charge, he will ensure that key project staff will be active participants committed to your project and that they will have available to them the support staff and technical resources necessary for successful results.

**Melden & Hunt will also handle surveying for the Gignac Architects team.**





**ROLANDO R. RUBIANO, PE**  
STRUCTURAL ENGINEER

**GREEN,  
RUBIANO &  
ASSOCIATES**

**R**olando's area of specialization is civil/structural engineering. As partner of Green, Rubiano & Associates, he has 22 years of experience in civil and structural engineering design, and is familiar with coastal wind design and Texas Windstorm Insurance Association design and building requirements. Rolando is also qualified in providing existing facility forensic evaluations and consulting.

## EDUCATION

Bachelor of Science in Civil Engineering,  
University of Texas at Austin, 1993

## REGISTRATION

Firm: F-4145  
P.E. Texas- 86369

## PROFESSIONAL AFFILIATIONS

Building Inspector, 2000  
Forensic Investigation Working Group,  
2010  
American Society of Civil Engineers  
American Concrete Institute  
Texas Society of Professional Engineers

## EXPERIENCE

- Brownsville ISD, Pace and Porter High School Additions- 2002
- Brownsville ISD, Pace High School, Porter High School Cafeteria Renovations- 2006
- Brownsville ISD, Pace Classroom Additions – 2006
- Brownsville ISD, Villa Nueva Elementary & Hudson Elementary Classroom Additions – 2008
- Brownsville ISD, Porter High School & Hanna High School Science Labs – 2010
- Brownsville ISD, Porter High School New Classroom Wing Addition – 2010
- Brownsville ISD, Brownsville Early College High School – 2010
- Brownsville ISD, Brownsville Alternative Learning Campus – 2010
- Brownsville ISD, Faulk Middle School New Weight Room – 2014
- Brownsville ISD- Veterans Memorial High School- 2011- 160,000 sf H.S. with administrative and technology vocational buildings
- Texas State Technical College Harlingen, Health Science and Technology Building Expansion
- University of Texas at Brownsville, Technical Training Center – 2001
- University of Texas at Brownsville, Student Housing Fort Brown – 2005
- University of Texas at Brownsville, Observatory Relocation – 2015
- University of Texas at Brownsville, New Campus Police Station – 2015
- Texas Southmost College Brownsville, Early Childhood Studies Center – 2008
- Texas Southmost College Brownsville, SPI Center Structural Assessment – 2015
- Texas State Technical College Harlingen, Automotive Building – 2006
- Texas State Technical College Harlingen, Cultural Arts Center – 2007
- Texas State Technical College Harlingen, University Center Building – 2011
- Texas State Technical College Harlingen, Building SS Renovations – 2015
- Del Mar College, Emerging Technology Building Expansion
- Cameron County, Courthouse Improvements, Brownsville, Texas
- Cameron County, Social Services Classroom Additions, Brownsville, Texas
- Cameron County, Social Services Building, Brownsville, Texas
- Carrizalez Rucker Detention Center, Comprehensive Repairs, Olmito, Texas
- Cameron County, Port Isabel Annex Building, Port Isabel, Texas
- Cameron County, Harlingen Annex Building, Harlingen, Texas
- Carrizalez Rucker Detention Center, Expansion, Olmito, Texas
- Cameron County Courthouse, Dancy Building Improvements, Brownsville, Texas
- Brownsville PUB Robindale WWTP Renovation and Expansion – 2013
- Brownsville PUB Robindale Office Addition – 2003
- City of Harlingen Landfill Facilities Renovations – 2009
- City of Harlingen Landfill Scale House Renovations – 2012
- City of McAllen Water Plant West Lab Addition – 2009
- City of McAllen Water Plant Southwest Lab Addition – 2009
- Harlingen Waterworks Systems Head Works Phase I – 2009
- Harlingen Waterworks Systems WWTP No. 2 Expansion – 2015
- and many more....

2





TWO



# PARTIAL LIST OF RELATED PROJECTS

## PARTIAL PUBLIC CLIENT LIST

City of Alice, TX  
City of Corpus Christi, TX  
City of Eagle Pass, TX  
City of Harlingen, TX  
City of La Joya, , TX  
City of McAllen, TX  
City of Mercedes, , TX  
City of Palmview, , TX  
City of Pharr, , TX  
City of Port Aransas, TX  
City of Portland, , TX  
City of Robstown, TX  
City of Rockport, , TX  
City of San Benito, TX  
City of South Padre Island, TX  
City of Weslaco, TX  
Cameron County  
Hidalgo County  
Nueces County  
Maverick County  
San Patricio County  
Alice ISD  
Aransas County ISD  
Beeville ISD  
Brooks county ISD  
Brownsville ISD  
Calallen ISD  
Calhoun County ISD  
Corpus Christi ISD  
Cuero ISD  
Dayton ISD  
Eagle Pass ISD  
El Campo ISD  
Goliad ISD  
Gregory-Portland ISD  
Harlingen Consolidated ISD  
Jim Hogg County ISD  
Kingsville ISD  
La Joya ISD  
Mathis ISD  
McAllen ISD  
Orange Grove ISD  
Pearsall ISD  
Pharr-San Juan-alamo ISD  
Premont ISD  
Point Isabel ISD  
The City of Alice ISD  
Port Aransas ISD  
Robstown ISD  
San Diego ISD  
Sinton ISD  
Taft ISD  
Del Mar College  
Texas A&M University

## GOVERNMENT AGENCIES WE HAVE WORKED WITH:

FEMA  
SBA  
CDBG  
FDA  
TPWD  
USDA

## COUNTY

Cameron County – Courthouse Annex Building, Harlingen, Texas  
Cameron County – Father O’Brien Health Clinic, Port Isabel, Texas  
Cameron County- Isla Blanca & Andy Bowie Parks Renovations  
Hidalgo County – Sheriff’s Substation Facility  
Maverick County – Coronado Estates Park  
Maverick County – Amphitheater  
Nueces County – IB Magee Multipurpose Facility  
San Patricio County – Coastal Bend Restitution Center, Sinton, Texas  
San Patricio County – Market Street Annex Center, Sinton, Texas

## MEDICAL - RELATED & LAB FACILITIES

Wellmed Medical Clinic, Dr. Perez  
University of Texas Regional Academic Health Center & Labs  
Medical Professionals Building Expansion, South Texas ISD  
Dental Clinic & Office Renovations, Dr. McCall  
Science Lab Renovations, Sinton ISD  
Early College High School Science Labs, Harlingen CISD  
Harlingen High School Science Lab Additions, Harlingen CISD  
New High School Science Lab Additions & Renovations, Robstown ISD  
Juarez-Lincoln High School Science Labs, La Joya ISD

## CITY OF BEEVILLE

City of Beeville, Texas – Parks Master Plan  
City of Beeville, Texas – Athletic Fields & Park Improvements

## CITY OF BROWNSVILLE

Senior Center Renovations

## CITY OF CORPUS CHRISTI

City of Corpus Christi, Texas – Adaptive Re-Use for the Buddy Lawrence Home, Heritage Park Area  
City of Corpus Christi, Texas – American Bank Center Multipurpose Arena  
City of Corpus Christi, Texas – Bayfront Masterplan  
City of Corpus Christi, Texas – Broadway Wastewater Treatment Office Building and Maintenance Facility  
City of Corpus Christi, Texas – Corpus Christi Convention Center Renovation and Expansion  
City of Corpus Christi, Texas – Whataburger Field Renovations  
City of Corpus Christi, Texas – North Bayfront Park  
City of Corpus Christi, Texas- Chaparral Street Improvements  
City of Corpus Christi, Texas – Flour Bluff Police Station Renovations  
City of Corpus Christi, Texas – City Hall Multipurpose Room Renovations  
City of Corpus Christi, Texas- Water’s Edge Park Design-Build

## CITY OF DONNA

Multipurpose Facility & FEMA Community Safe Room

## CITY OF EAGLE PASS

Public Safety Headquarters- Police & Fire Station Complex

## CITY OF HARLINGEN

City of Harlingen, Texas – ADA Improvements to Public Buildings  
City of Harlingen, Texas – Additions and Renovations to Various Municipal Facilities  
City of Harlingen, Texas- Fire Station Number 4  
City of Harlingen, Texas – Lon C. Hill Building, Renovation from Library to Office Space



# PARTIAL LIST OF RELATED PROJECTS



## CITY OF MCALLEN

McAllen Convention Center  
Quinta Mazatlan Improvements

## CITY OF MERCEDES

Multipurpose Facility & FEMA Community Safe Room

## CITY OF MISSION

Catholic War Veterans Building Renovations

## CITY OF PALMVIEW

Fire Station, EMS, & Police Station

## CITY OF PENITAS

City Hall & Police Station

## CITY OF PHARR

Master Park Site Plan  
Northpark Concept Design

## CITY OF PORT ARANSAS

Marina Market Development Study & Master Plan  
Roberts Point Park Improvements & Master Plan  
Classroom Pavillion Nature Preserve  
City of Port Aransas Fire Station

## CITY OF PORTLAND

City of Portland, Texas – City Hall  
City of Portland, Texas – Master Plan  
City of Portland, Texas – Police Station  
City of Portland, Texas – Whittington Library Additions & Renovations  
City of Portland, Texas – Public Works Office Building and Maintenance Facility

## CITY OF RIO HONDO

Multipurpose Facility & FEMA Community Safe Room

## CITY OF ROBSTOWN

Multipurpose Facility & FEMA Community Safe Room

## CITY OF ROCKPORT

City of Rockport, Texas – Bay Education Center and Office Facility (In Association with NOAA)  
Multi-Modal Transit Station

## CITY OF SAN BENITO

Resaca Walk Master Plan

## CITY OF SOUTH PADRE ISLAND

Convention Center Additions & Renovations

## CITY OF WESLACO

North Side Sports Complex

## STATE OF TEXAS

Mental Health and Mental Retardation (MHMR) Center, Alice, Texas  
Mental Health and Mental Retardation Center, Portland, TX  
TxDOT Corpus Christi District Offices – Additions and Renovations

TxDOT Freer Administration and Maintenance Building

TxDOT Pharr District Offices – Additions and Renovations

Texas State Comptroller's Office – Space Planning, BNP Properties, Corpus Christi, Texas

## CORPUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY

CC RTA Administration Building Renovation

CC RTA New Administration, Operations, and Maintenance Facilities

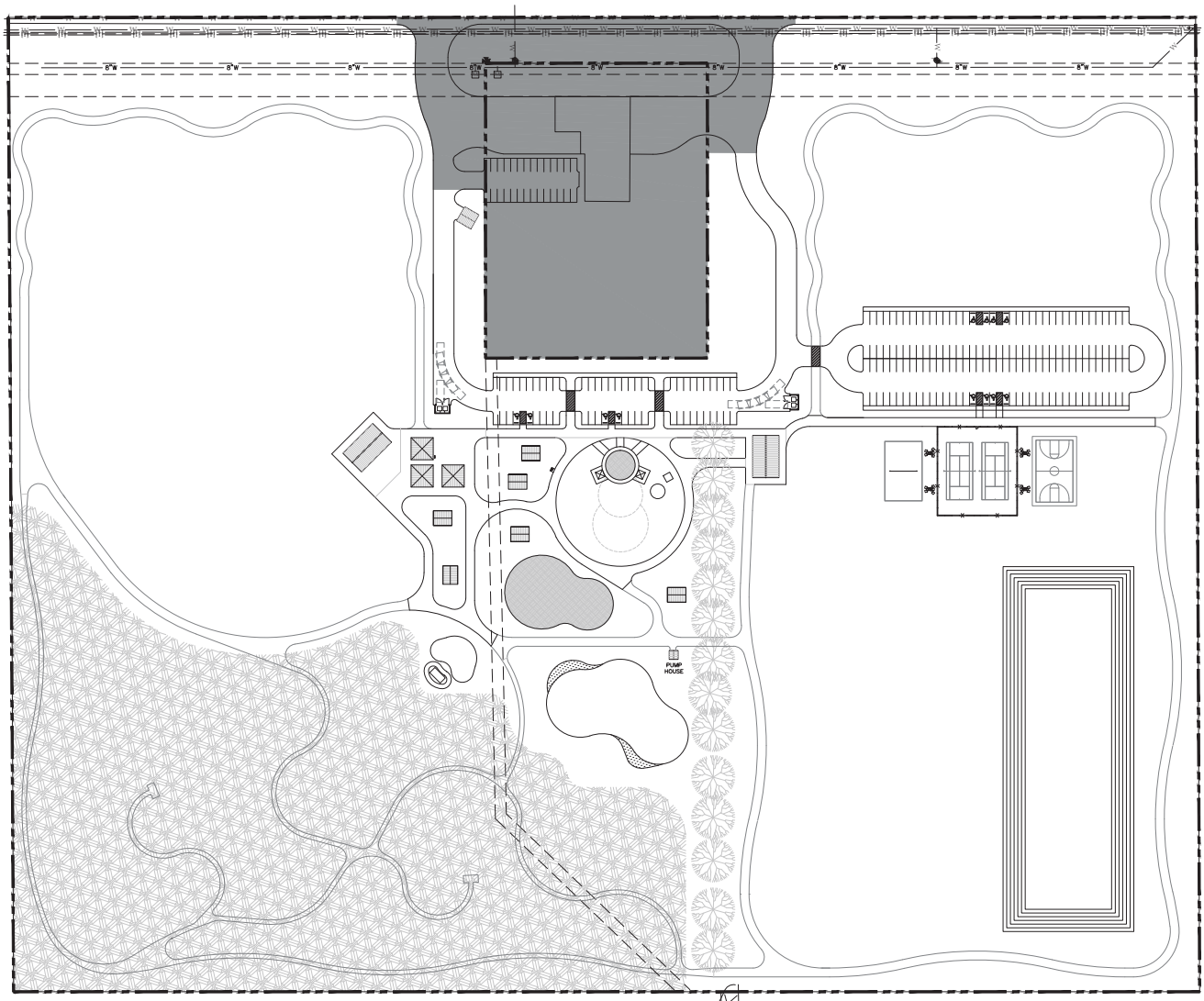
CC RTA New Customer Service Center Complex & Transit Station



# CITY OF WESLACO

## North Side Sports Complex

Weslaco, Texas



### DESCRIPTION OF SERVICES

This project includes facility conditions assessments, planning, design services, and construction administration. The scope of the project includes site grading, drainage, parking, utilities, splash pad, restrooms, basketball court, sand volleyball, soccer fields, walking trail, nature area, playground and fitness equipment.

### CLIENT

City of Weslaco  
Andrew Munoz  
Assistant City Manager  
956.969.0291  
956.587.2455 mobile  
amunoz@weslacotx.gov

### KEY PERSONNEL

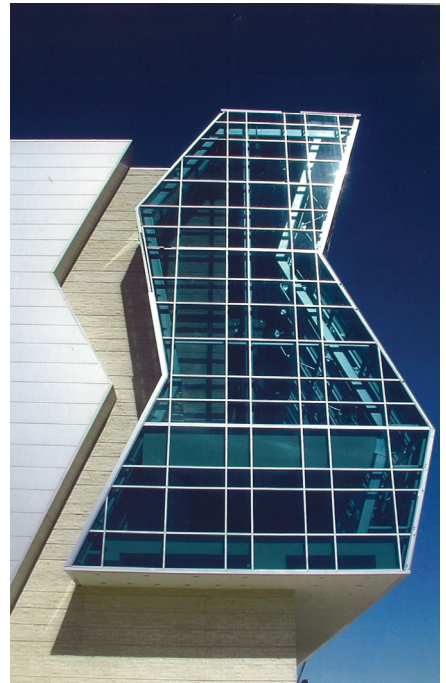
Raymons Gignac, AIA  
Rolando Garza, AIA, LEED AP BD+C  
Juan Mujica



# AMERICAN BANK CENTER

## Arena and Convention Center

Corpus Christi, Texas



### DESCRIPTION OF SERVICES

Gignac Architects served as the Architect of Record for the design of a new 9,500-seat multi-purpose arena as well as the expansion and renovation of the existing Corpus Christi Convention Center. The project also involved the preparation of a master plan to include hotels and retail for the continued development of this cultural campus located in the downtown waterfront district. The new arena contains 8,000 fixed and 1,500 moveable seats from which to watch NCAA basketball, ice hockey and a variety of other sporting, musical and entertainment events. The convention center expansion includes ballrooms, exhibit halls, pre-function areas, kitchens, storage, support space and a new grand entry lobby.

### CLIENT

City of Corpus Christi  
1102 2nd Street  
Corpus Christi, Tx 78404

### KEY PERSONNEL

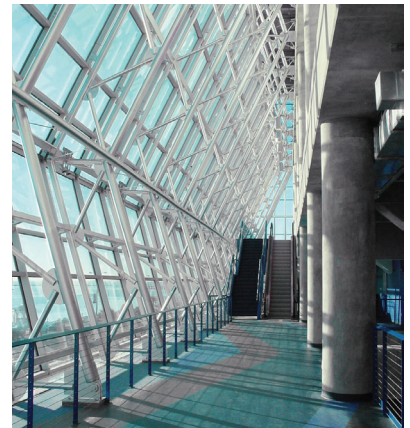
Raymond Gignac, AIA  
Nick Gignac, Associate AIA, LEED AP BD+C  
Rolando Garza, AIA, LEED AP BD+C  
Carolyn James, AIA, RID  
Paul Rybalka

### PROJECT COST

\$66 Million

### PROJECT SIZE

528,000 sf





# CITY OF MCALLEN

## McAllen Convention Center

McAllen, Texas



### DESCRIPTION OF SERVICES

Gignac Associates worked closely with the City of McAllen and the design team to provide a building reflective of the cultural influences of South Texas. Our design team created a massive 100 acre master plan for the project site to encourage retail and restaurant development in the area, and to accommodate other future growth for the community. The convention center site now boasts the largest vegetated pedestrian area in the region. Gignac & Associates served as the Prime Firm in association with TVS Design.

### CLIENT

City of McAllen  
2500 S. Bicentennial Blvd.  
McAllen, TX 78503

### PROJECT COST

\$ 52.5 Million

### PROJECT SIZE

163,550 sf

### KEY PERSONNEL

Raymons Gignac, AIA  
Rolando Garza, AIA, LEED AP BD+C  
Rogelio Hernandez, AIA  
Juan Mujica  
Carolyn James, AIA, RID

### DATE OF COMPLETION

February 2007





# CAMERON COUNTY

## Isla Blanca Park & Sand Piper Pavillion

South Padre Island, Texas



### DESCRIPTION OF SERVICES

The project included design improvements to the existing pavillion and canopy at Isla Blanca Park in South Padre Island, Texas, which coincided with the existing Master Plan. Improvements include a multipurpose building, outdoor amphitheater, restrooms and rinse stations, concessions areas and BBQ areas, RV area improvements, events and attractions spaces, parking, and pavilions.

Sand Piper pavillion included lighted beachfront boardwalks with shade structure. The pavillion was constructed 200 feet landward from the original site, with a conservation system of dunes to protect the structure.

One of the most important elements of the design of Sand Piper Pavillion is the historical relationship with the park. In the 1960's, a curved shaded structure existed on the site, which was a popular hang-out spot and reprieve for locals and tourists during the hot coastal summers. The new design of the structure reimagined the old, with updated amenities and utilities.

### CLIENT

Cameron County  
1100 E. Monroe St.  
Dancy Building  
Brownsville, TX 78520

### PROJECT COST

\$29.9 Million- Isla Blanca  
\$5.4 Million- Andy Bowie

### COMPLETION DATE

July 2019

### KEY PERSONNEL

Raymond Gignac, AIA, RID  
Nick Gignac, Assoc. AIA, LEED AP BD+C  
Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID  
Project Manager: Juan Mujica





# REGIONAL TRANSPORTATION AUTHORITY / CITY OF C.C.

## Staples Street Customer Service Center & Transfer Station

Corpus Christi, Texas



### DESCRIPTION OF SERVICES

Gignac & Associates, along with Parsons Brinckerhoff, are providing full architectural and transit design services for the massive renovation of the Corpus Christi Transportation Authority's Staples Street Transfer Station. This is currently one of the largest transit centers in the city, and will be completely renovated to accompany the new customer service center that will be built next door. The station will be able to accommodate 8 full size CCRTA busses. The project will include reworking of the ingress and egress for busses as well as redesign of the massive canopy and flatwork at the station. Bus passengers will now enjoy anew transfer experience in a remodeled atmosphere with the ability to visit the adjacent customer service center between fares or stop-in to the retail or food vendor spaces nearby. The station will also be upgraded with state of the art technology and scheduling and display equipment to make the bus experience more efficient and enjoyable.

### CLIENT REFERENCE

Sharon Montez  
Managing Director of Program Development  
5658 Bear Lane  
Corpus Christi, Tx 78405  
361.289.2712  
smontez@ccrta.org

### KEY PERSONNEL

Project Manager: Paul Rybalka  
Project Architect: Raymond Gignac, AIA, RID  
Project Designer: Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID

### CONSULTANTS

Structural Engineer: Naismith Engineering, Inc.  
MEP Engineer: DBR Engineering, Inc.  
Civil Engineer: Naismith Engineering, Inc.  
Contractor: Fulton Constructoin  
Landscape Architect: Gignac Landscape

### PROJECT COST

\$23.9 Million

### PROJECT SIZE

72,160 sf

### PROJECT BEGIN DATE

February 2012

### DATE OF COMPLETION

June 2016





# CITY OF SOUTH PADRE ISLAND

## Multi-Modal Transit Station & Service Center

South Padre Island, Texas



### DESCRIPTION OF SERVICES

Gignac & Associates is providing complete architectural services for the City of South Padre Island Multi-Modal Transit Center. Phase 1 shall include Park and ride concrete parking lot for 250 parking spaces, a bus drive including 6 bus berths, related flwork, and landscape and irrigation.

### CLIENT REFERENCE

Jesse Arriaga  
City of South Padre Island  
Transit Director  
3401 Padre Blvd.  
South Padre Island, TX 78597  
956-761-8176  
jarriaga@myspi.org

### PROJECT COST

\$ 5.1 Million

### PROJECT BEGIN DATE

May 2013

### DATE OF COMPLETION

May 2019

### KEY PERSONNEL

Project Manager: Juan Mujica  
Project Architect: Raymond Gignac, AIA, RID  
Project Designer: Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID





# CITY OF CORPUS CHRISTI

## Water's Edge Design Build

Corpus Christi, Texas



### DESCRIPTION OF SERVICES

As part of a Bond Program for the City of Corpus Christi, the Gignac Architects team designed Water's Edge improvements on Shoreline Boulevard between Furman Avenue and Buford Street. After the City cut off a portion of Shoreline Boulevard to divert it around the new park area, we designed the new park improvements with utilities, landscaping, driveways and parking lots for future pedestrian events. The park also includes a dog park, which is the first dog park in the City of Corpus Christi.

### CLIENT REFERENCE

Kevin Stowers  
City of Corpus Christi, Former Head of Engineering  
1102 2nd Street  
Corpus Christi, Tx 78404  
361.815.4395  
kstowers@fultonconst.com

### PROJECT COST

\$5.8 Million

### KEY PERSONNEL

Project Manager: Nick Gignac, Assoc. AIA, LEED AP BD+C  
Project Architect: Raymond Gignac, AIA, RID  
Project Designer: Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID

### CONSULTANTS

Contractor: Fulton Constructoin





# CITY OF CORPUS CHRISTI

## North Bayfront Park

Corpus Christi, Texas

AMERICAN INSTITUTE OF ARCHITECTURE CC  
AWARDS GRAND PRIZE WINNER



### DESCRIPTION OF SERVICES

Following a devastating Category Four hurricane in 1919, Corpus Christi filled a block into the Corpus Christi Bay to construct a seawall that would protect the community from future disasters. Since that time, the bayfront has been defined by Shoreline Drive—a wide boulevard designed primarily for automobiles—and provided limited spaces for pedestrians in the hot South Texas sun.

In 2004, Gignac Architects and a teaming firm prepared the overall master plan for the Corpus Christi bayfront—spanning from McGee Beach in the south to the ship channel in the north. The approved master plan called for the relocation of Shoreline Boulevard in order to accommodate green spaces along the water's edge, thus creating the vision for the North Bayfront Park. Situated next to the American Bank Center Arena, North Bayfront Park is the first of a series of parks to be constructed from the master plan.

A key feature of the park includes an interactive fountain to attract children and families. Parents can sit at the adjacent café in the park, protected from the wind with glass windscreens, while watching their children play in the fountain. The café is shaded by fabric stretched between posts while groves of palms and mesquite trees will grow over time to provide shady spots in the park. An arbor is designed to support colorful Bougainvillea planting that shade a walkway leading to the fountain. The arbor fronts a parcel identified for a future restaurant included in the design to activate and program the park.

### CLIENT REFERENCE

Kevin Stowers  
City of Corpus Christi, Former Head of Engineering  
1102 2nd Street  
Corpus Christi, Tx 78404  
361.815.4395  
kstowers@fultonconst.com

### PROJECT COST

\$15 Million

### PROJECT SIZE

2.5 acres

### COMPLETION DATE

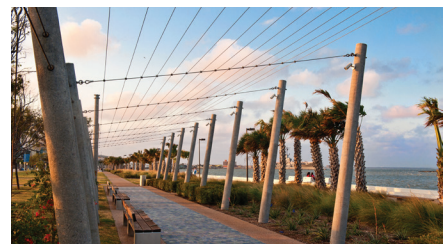
June 2014

### KEY PERSONNEL

Project Architect: Raymond Gignac, AIA, RID  
Project Designer: Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID

### CONSULTANTS

Contractor: Fulton Construction  
Design Consultant: Sasaki  
MEP Engineer: DBR Engineering, Inc.



# CITY OF MERCEDES

## Multipurpose Facility & FEMA Community Safe Room

Mercedes, Texas



### DESCRIPTION OF SERVICES

The City of Mercedes was chosen by the State of Texas as a location to construct a 20,000 sf community safe room shelter to serve the region in severe weather events. Our firm was selected to perform complete architectural services for the new facility. The building will also serve as a new multipurpose center for the municipality and includes new parking, covered drop-off area, basketball court, restrooms and office spaces.

### CLIENT REFERENCE

Richard Garcia, City Manager  
rgarcia@cityofmercedes.net  
City of Mercedes  
400 S. Ohio Avenue  
Mercedes TX 78570  
(956) 565-3118

### PROJECT COST

\$3.8 Million

### DATE COMPLETED

October 2015

### KEY PERSONNEL

Project Manager: Juan Mujica  
Project Architect: Raymond Gignac, AIA, RID  
Project Designer: Rolando Garza, AIA  
Interiors: Carolyn James, AIA, RID

### SUBCONSULTANTS

Structural Engineer: Walter P. Moore  
MEP Engineer: DBR Engineering, Inc.  
Civil Engineer: Guzman & Munoz  
Landscape Architect: Gignac  
Landscape

### PROJECT SIZE

22,479 sf



3









## **Darla Jones**

**Assistant City Manager**

+1 (956) 781- 6456

djones@myspi.org

City of South Padre Island

## **Jorge Cruz-Aedo**

**CEO**

+1 (361) 289.2712

jcruz-aedo@ccrta.org

Corpus Christi Regional Transp. Authority

## **Philip Skrobarczyk**

**Prime Contractor for Waters Edge**

+1 (361) 993- 5200

pskrobarczyk@fultonconst.com

Fulton Construction

## **Isaac Perez**

**Sr. Project Manager**

+1 (361) 826.3564

isaacp@cctexas.com

City of Corpus Christi



## **Ron Garza**

**City Manager**

+1 (956) 970.1188

rongarza@cityofedinburg.com

City of Edinburg



4





321  
island  
metro  
MULTIMODAL

FOUR



# CERTIFICATE OF LIABILITY INSURANCE



## CERTIFICATE OF LIABILITY INSURANCE

GIGNA-1 OP ID: JJ

DATE (MM/DD/YYYY)

08/18/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| <b>PRODUCER</b><br>Carlisle Insurance<br>500 N Water Suite 900<br>Corpus Christi, TX 78401-0234<br>Scot H Oshman | <b>CONTACT NAME:</b> Joseph Van Maren<br><b>PHONE (A/C, No, Ext):</b> 361-884-2775 <b>FAX (A/C, No):</b> 361-884-3470<br><b>E-MAIL ADDRESS:</b> josephv@carlisleins.com                                                                                                                                                                                                                                                                                                                                                                          |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------|--------------------------------------|--|---------------------------------------|-------|-----------------------------------|-------|-------------|--|-------------|--|-------------|--|
| <b>INSURED</b><br>Gignac & Associates<br>416 Starr St<br>Corpus Christi, TX 78401                                | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A : Hartford Insurance Group</td> <td></td> </tr> <tr> <td>INSURER B : Texas Mutual Insurance Co</td> <td>22945</td> </tr> <tr> <td>INSURER C : Argonaut Insurance Co</td> <td>19801</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A : Hartford Insurance Group |  | INSURER B : Texas Mutual Insurance Co | 22945 | INSURER C : Argonaut Insurance Co | 19801 | INSURER D : |  | INSURER E : |  | INSURER F : |  |
| INSURER(S) AFFORDING COVERAGE                                                                                    | NAIC #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER A : Hartford Insurance Group                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER B : Texas Mutual Insurance Co                                                                            | 22945                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER C : Argonaut Insurance Co                                                                                | 19801                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER D :                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER E :                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |
| INSURER F :                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |        |                                      |  |                                       |       |                                   |       |             |  |             |  |             |  |

### COVERAGES

**CERTIFICATE NUMBER:**

**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                           |                              | ADDL INSR                           | SUBR WVD           | POLICY NUMBER  | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                  |                                |
|----------|-----------------------------------------------------------------------------|------------------------------|-------------------------------------|--------------------|----------------|-------------------------|-------------------------|---------------------------------------------------------|--------------------------------|
| A        | GENERAL LIABILITY                                                           |                              |                                     |                    | 65SBATE2163    | 04/17/2020              | 04/17/2021              | EACH OCCURRENCE                                         | \$ 1,000,000                   |
|          | <input checked="" type="checkbox"/>                                         | COMMERCIAL GENERAL LIABILITY |                                     |                    |                |                         |                         | DAMAGE TO RENTED PREMISES (Ea occurrence)               | \$ 1,000,000                   |
|          | <input type="checkbox"/>                                                    | CLAIMS-MADE                  | <input checked="" type="checkbox"/> | OCCUR              |                |                         |                         | MED EXP (Any one person)                                | \$ 10,000                      |
|          | <input type="checkbox"/>                                                    |                              |                                     |                    |                |                         |                         | PERSONAL & ADV INJURY                                   | \$ 1,000,000                   |
|          | <input type="checkbox"/>                                                    |                              |                                     |                    |                |                         |                         | GENERAL AGGREGATE                                       | \$ 2,000,000                   |
|          | GEN'L AGGREGATE LIMIT APPLIES PER:                                          |                              |                                     |                    |                |                         |                         | PRODUCTS - COMP/OP AGG                                  | \$ 2,000,000                   |
|          | <input type="checkbox"/>                                                    | POLICY                       | <input checked="" type="checkbox"/> | PRO-JECT           |                |                         |                         | <input type="checkbox"/>                                | LOC                            |
| A        | AUTOMOBILE LIABILITY                                                        |                              |                                     |                    | 65SBATE2163    | 04/17/2020              | 04/17/2021              | COMBINED SINGLE LIMIT (Ea accident)                     | \$ 1,000,000                   |
|          | <input type="checkbox"/>                                                    | ANY AUTO                     | <input type="checkbox"/>            | SCHEDULED AUTOS    |                |                         |                         | BODILY INJURY (Per person)                              | \$                             |
|          | <input type="checkbox"/>                                                    | ALL OWNED AUTOS              | <input type="checkbox"/>            | NON-OWNED AUTOS    |                |                         |                         | BODILY INJURY (Per accident)                            | \$                             |
|          | <input checked="" type="checkbox"/>                                         | HIRED AUTOS                  | <input checked="" type="checkbox"/> |                    |                |                         |                         | PROPERTY DAMAGE (PER ACCIDENT)                          | \$                             |
|          | <input type="checkbox"/>                                                    |                              |                                     |                    |                |                         |                         |                                                         | \$                             |
| A        | <input checked="" type="checkbox"/>                                         | UMBRELLA LIAB                | <input type="checkbox"/>            | OCCUR              | 65SBATE2163    | 04/17/2020              | 04/17/2021              | EACH OCCURRENCE                                         | \$ 5,000,000                   |
|          | <input type="checkbox"/>                                                    | EXCESS LIAB                  | <input type="checkbox"/>            | CLAIMS-MADE        |                |                         |                         | AGGREGATE                                               | \$ 5,000,000                   |
|          | <input type="checkbox"/>                                                    | DED                          | <input checked="" type="checkbox"/> | RETENTION \$ 10000 |                |                         |                         | \$                                                      |                                |
| B        | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY                               |                              |                                     |                    | 0001312759     | 09/17/2019              | 09/17/2020              | <input checked="" type="checkbox"/> WC STATUTORY LIMITS | <input type="checkbox"/> OTHER |
|          | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) |                              | Y / N                               | N / A              |                |                         |                         | E.L. EACH ACCIDENT                                      | \$ 1,000,000                   |
|          | If yes, describe under DESCRIPTION OF OPERATIONS below                      |                              |                                     |                    |                |                         |                         | E.L. DISEASE - EA EMPLOYEE                              | \$ 1,000,000                   |
|          |                                                                             |                              |                                     |                    |                |                         |                         | E.L. DISEASE - POLICY LIMIT                             | \$ 1,000,000                   |
| C        | Prof Liability                                                              |                              |                                     |                    | 121AE000158101 | 08/19/2019              | 08/19/2020              | Limit                                                   | 3,000,000                      |
|          |                                                                             |                              |                                     |                    |                |                         |                         | Aggregate                                               | 3,000,000                      |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

ENGINEERS OR ARCHITECTS

### CERTIFICATE HOLDER

### CANCELLATION

|                                      |                                                                                                                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INSUR01</b><br><br>Insured's Copy | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br><br>AUTHORIZED REPRESENTATIVE<br> |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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ACORD 25 (2010/05)

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# CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

## OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

NONE

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

NONE

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

N/A

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

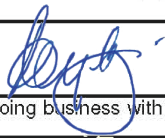
☐ No

N/A

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7   
Signature of vendor doing business with the governmental entity

SEPTEMBER 10, 2020

Date



**A NEW WAY TO SIGN IN** - If you already have a SAM account, use your **SAM email** for login.gov.

[Log In](#)

[Login.gov FAQs](#)

**ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 06/13/2020 from 8:00 AM to 1:00 PM

## Search Results

**Current Search Terms: Gignac & Associates, LLP\***

Total records:1

[Save PDF](#)

[Export Results](#)

[Print](#)

Result Page: 1

Sort by: Relevance [↑](#) Order by: Descending [↑](#)

[View assistance for SAM.gov](#)

Your search for Gignac & Associates, LLP\* returned the following results...

Entity

**Gignac & Associates, LLP**

Status: **Active** [+](#)

DUNS: **601497381**

CAGE Code: **oXVP3**

[View Details](#)

Has Active Exclusion?: **No**

DoDAAC:

Expiration Date: **11/26/2020**

Debt Subject to Offset?: **No**

Purpose of Registration: **All Awards**

Result Page: 1

[Save PDF](#)

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[Print](#)



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WWW7

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[Data Access](#) [Accessibility](#) [GSA.gov/IAE](#)  
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## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, GIGNAC & ASSOCIATES, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



Signature of Contractor's Authorized Official

RAYMOND GIGNAC, PRINCIPAL-IN-CHARGE

Printed Name and Title of Contractor's Authorized Official

SEPTEMBER 10, 2020

Date

## Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                  |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><u>N/A</u> a. contract<br>b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Status of Federal Action:</b><br>_____ a. bid/offer/application<br>b. initial award<br>c. post-award<br><p style="text-align: center; color: blue;">N/A</p>                                                                                                                   | <b>Report Type:</b><br>_____ a. initial filing<br>b. material change<br><p style="text-align: center; color: blue;">N/A</p> |
| <b>Name and Address of Reporting Entity:</b><br><u>N/A</u> Prime _____ Subawardee<br>Tier _____, if Known:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                  | <b>If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b>                                         |
| <b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                  | <b>Congressional District, if known:</b>                                                                                    |
| <b>Federal Department/Agency:</b><br><p style="text-align: center; color: blue;">N/A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>7. Federal Program Name/Description:</b><br><br>CFDA Number, if applicable: _____                                                                                                                                                                                             |                                                                                                                             |
| <b>Federal Action Number, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>9. Award Amount, if known:</b><br><br>\$                                                                                                                                                                                                                                      |                                                                                                                             |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i>                                                                                                                                            |                                                                                                                             |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <br><b>Print Name:</b> <u>RAYMOND GIGNAC</u><br><b>Title:</b> <u>, PRINCIPAL-IN-CHARGE</u><br><b>Telephone No.:</b> <u>956.686.0100</u> <b>Date:</b> <u>SEPT 10, 2020</u> |                                                                                                                             |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  | <b>Authorized for Local Reproduction</b><br><b>Standard Form - LLL (Rev. 7-97)</b>                                          |

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

Gignac & Associates, LLP  
McAllen, TX United States

Certificate Number:  
2020-665084

Date Filed:  
09/08/2020

Date Acknowledged:

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**

City of Weslaco

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**

RFQ No. 2019-20-24  
Engineering / Architectural / Surveying Services

**4 Name of Interested Party**

City, State, Country (place of business)

Nature of interest  
(check applicable)

Controlling

Intermediary

Gignac & Associates, LLP

McAllen, TX United States

X

**5 Check only if there is NO Interested Party.**

☐

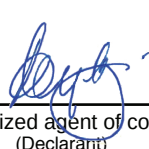
**6 UNSWORN DECLARATION**

My name is Raymond Gignac, AIA, and my date of birth is 11/10/1950.

My address is 416 Starr St, Corpus Christi, TX 78401, USA,  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Nueces County, State of TX, on the 10<sup>th</sup> day of SEPT, 2020.  
(month) (year)

  
\_\_\_\_\_  
Signature of authorized agent of contracting business entity  
(Declarant)



*“Gignac Architects has been providing quality architectural services for the Pharr San Juan Alamo Independent School District for a number of years, and as the District’s Construction Manager, I can strongly recommend their services...Gignac Architects knows what educational facility design is about; and working closely with members of their McAllen and Harlingen staff, a strong relationship has formed between our district and the firm.”*

*James Rodriguez  
Pharr San-Juan Alamo ISD*



3700 N. 10<sup>TH</sup> STREET | McALLEN, TEXAS 78504 | TEL: 956.686.0100 | FAX: 956.622.7313  
[www.GIGNACARCHITECTS.com](http://www.GIGNACARCHITECTS.com)

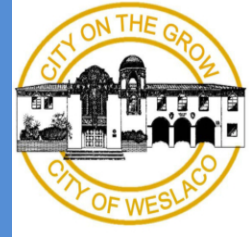




# STATEMENT OF PROFESSIONAL QUALIFICATIONS

*Presented to:*

## City of Weslaco



for:

## Professional Engineering Services

Texas General Land Office (GLO) Community  
Development Block Grant Disaster Recovery-  
Mitigation (CDBG-MIT) Program

September 10, 2020



## CRUZ - HOGAN

ENGINEERS | PLANNERS

McAllen | Weslaco

TBPE Firm Reg. No. F-4860

ENGINEERS

PLANNERS

CONSULTANTS



Engineering Better Communities





# CRUZ - HOGAN

ENGINEERS | PLANNERS

TBPE Firm Reg No. F-4860

Offices

Weslaco  
McAllen  
Harlingen

September 8, 2020

Mr. Mike R. Perez  
City Manager  
City of Weslaco  
255 S. Kansas Ave.  
Weslaco, Texas 78596

Re: Statement of Qualifications for Professional Engineering Services  
Texas General Land Office (GLO) Community Development Block Grant Disaster  
Recovery-Mitigation (CDBG-MIT) Program  
RFQ No. 2019-20-24

Dear Mr. Perez:

CRUZ-HOGAN *Consultants, Inc.* is pleased to submit herewith a **PDF digital copy** of our firm's Statement of Qualifications to perform Professional Engineering Services for the City of Weslaco in connection with the Texas General Land Office (GLO) Community Development Block Grant Disaster Recovery-Mitigation (CDBG-MIT) Program. This Statement has been organized to respond to your recent "Request for Qualifications." Our proposal includes the required personnel, experience, and capabilities to accomplish the goal of this project.

CRUZ-HOGAN *Consultants, Inc.* has an intimate regional presence in this area. We have assisted many cities and communities in the Rio Grande Valley with planning, design, and construction phase services for public works projects over the last 30 years.

***Our firm specializes in storm drainage improvements projects and has provided general engineering services to local municipal and other governmental agencies. We have engineers on staff that are Certified Floodplain Managers.***

***We have also previously completed storm drainage studies and projects funded under the FEMA Hazard Mitigation Grant Program for the City of Weslaco and more recently completed major storm drainage projects for the City of McAllen.***

We are very interested in being selected to provide professional engineering services for the City of Weslaco. We have reviewed the scope of work required for your project, and we are committed to perform and complete the initial engineering and design support, engineering and final design support, bid and award support, and contract management and construction oversight in connection with the assigned project. The engineers and support staff that will be assigned to these projects have completed many similar projects here in the Rio Grande Valley.



Every project that CRUZ-HOGAN *Consultants, Inc.* undertakes is planned, designed, and completed with quality control by engineering personnel who have a combined 70 years of experience with public works projects.

Finally, CRUZ-HOGAN *Consultants, Inc.* can provide the City of Weslaco with a number of advantages, which we believe to be desirable:

- ❖ **Local Weslaco Engineering Firm** with extensive experience in providing general engineering services to local governments, including the City of Weslaco
- ❖ Firm with ***extensive experience*** in working on projects funded by State and Federal agencies, including Texas General Land Office Program projects
- ❖ Engineering firm specializing ***only*** in public works projects
- ❖ Recent and successful completion of many storm drainage improvements projects for other Cities, Municipalities and Communities located in the Rio Grande Valley Area.
- ❖ We have the ***Engineering and Support Staff*** immediately available for this assignment.

I certify that the information contained in this Statement of Qualifications is complete and accurate, that our firm meets the appropriate state licensing requirements to practice as an Engineer in Texas, that our firm has not had a record of substandard work within the last five years, and that our firm has not engaged in any unethical practices within the last five years. As such, we hereby provide permission to the City of Weslaco and its representatives to contact existing and previous clients of our firm and our consultant team members for the purpose of determining performance.

We appreciate this opportunity to present this Statement to you and sincerely hope that you will select us to perform these services for the City of Weslaco.

Respectfully submitted,

CRUZ-HOGAN *Consultants, Inc.*

A handwritten signature in blue ink, appearing to read 'O. S. Cruz', with a large circular flourish underneath.

Orlando S. Cruz, P.E.  
President

Enclosures

# STATEMENT OF PROFESSIONAL QUALIFICATIONS

## TABLE OF CONTENTS

|       |                                                                      |   |
|-------|----------------------------------------------------------------------|---|
| I.    | Introduction                                                         | 1 |
| II.   | Company Profile                                                      | 2 |
| III.  | Scope of Work                                                        | 2 |
| IV.   | Quality Assurance/Quality Control Practices                          | 1 |
| V.    | Client References                                                    | 2 |
| VI.   | Partial List of Clients                                              | 1 |
| VII.  | Firm Experience and Qualifications                                   | 8 |
|       | A. Table 1 – Hidalgo County-Street & Drainage Projects               |   |
|       | B. Table 2 – Cameron & Willacy Counties-Street & Drainage Projects   |   |
|       | C. FEMA Hazard Mitigation Grant Program Experience                   |   |
| VIII. | Capacity to Perform                                                  | 7 |
|       | A. Resumes                                                           |   |
|       | B. Texas Board of Professional Engineers Certificate of Registration |   |
|       | C. Texas Historically Underutilized Business (HUB) Certificate       |   |

## SUBMISSION REQUIREMENTS

- A. Certificate of Liability Insurance (Riskpro Insurance)
- B. Certificate of Liability Insurance (Hall & Company)
- C. SAM.gov Registration for Cruz-Hogan Consultants, Inc.
- D. SAM.gov Exclusion Search Results for Orlando Cruz (Principal)
- E. Signed Form CIQ
- F. Signed Certification Regarding Lobbying
- G. Signed Addendum No. 1 (August 26, 2020)





# STATEMENT OF QUALIFICATIONS

## FOR PERFORMING

### PROFESSIONAL ENGINEERING SERVICES

#### I. INTRODUCTION

CRUZ-HOGAN *Consultants, Inc.*, is pleased to submit our Statement of Qualifications as our expression of a sincere interest in providing Professional Civil Engineering Services in connection with the City of Weslaco's Texas General Land Office (GLO) Community Development Block Grant Disaster Recovery-Mitigation (CDBG-MIT) Program Project.

CRUZ-HOGAN *Consultants, Inc.* has an intimate regional presence in this area. We have assisted many cities and communities with planning, design, and construction phase services over the last 30 years. Our firm specializes in providing municipal public works type consulting engineering services to cities and other public entities.

CRUZ-HOGAN *Consultants, Inc.*, has extensive experience in the following areas:

- ❖ **Federal, State and County Funded Projects**
- ❖ **Providing General Engineering Services to Local Governments**
- ❖ **Street and Storm Drainage Projects**
- ❖ **Sanitary Sewer Lift Station Projects**
- ❖ **Water Distribution Projects**
- ❖ **Wastewater Collection Projects**
- ❖ **Roadway, Bridge, and General Design and Construction**
- ❖ **Water and Wastewater Treatment Plant Projects**
- ❖ **Flood control projects**
- ❖ **Mapping**



The basic principle of our firm's formation and practice is to provide a complete technical and personal service to our clients and to complete projects on time and within the budgets. We herewith commit our firm to have a principal in charge of all work performed for you and to have a principal present, whenever humanly possible, at all major presentations, contract negotiations, bid openings, and other important meetings where our projects are involved.

The following information is presented to assist you with specific criteria for evaluating the qualifications and capability for our firm to handle your engineering assignments.

## II. COMPANY PROFILE

### CURRENT OFFICE LOCATIONS

CRUZ-HOGAN *Consultants, Inc.*  
2290 W. Pike Blvd., Ste. 102  
Weslaco, Texas 78596  
Tel: (956) 854-4227

CRUZ-HOGAN *Consultants, Inc.*  
605 E. Violet Ave., Ste. 1  
McAllen, Texas 78504  
Tel: (956) 682-5022

The following background information is presented to assist you in evaluating the qualifications and capability of our firm to handle your projects.

#### **A. Profile of the Firm's Principals and Staff**

Full-service planning and design is the major benefit offered to the Client by CRUZ-HOGAN *Consultants, Inc.* The firm has, on staff, the qualified personnel to lead the overall management and coordination for the Client's projects, including preliminary studies, inventory and data collection, project design and reviews, local coordination, and contacts, if required, with the applicable State and Federal agencies. Our firm currently has a staff of over 15 employees, including associates. The firm's principals have been active in the private consulting sector for many years, collectively, providing services to clients in South Texas and surrounding areas and completing some 500 public works-type projects.

**Orlando Cruz, P.E., President**, has been active in private consulting engineering and planning for many years. He is manager of the Weslaco Office and has been in charge of the design and development of numerous projects throughout the Rio Grande Valley and South Texas.

**Ronnie Cruz, P.E., Vice President**, is a principal and manager of the McAllen office. He has managed and designed many public works projects in the South Texas area.

#### **B. Previous Experience in Planning, Design, and Development of Public Works**

During the past 25 years, the personnel of CRUZ-HOGAN *Consultants, Inc.* have been involved in many comprehensive development studies that have included various planning and design elements such as population projections, land-use, thoroughfares, landfills, waterworks and sanitary sewerage systems, storm drainage, central business district, parks and recreation, zoning, subdivision regulations, and reviews, and others. We have completed planning and design projects for many cities in Texas including Alamo, Alton, Brownsville, Raymondville, Edcouch, Weslaco, San Benito, San Juan, Port Isabel, Lyford, Pharr, Mercedes, Harlingen, McAllen, Town of Laguna Vista, Town of Indian Lake, South Padre Island, Cameron County, Willacy County, Hidalgo County, and others.

In addition, our services have been performed for City Waterworks and rural water supply corporations and other water systems including El Jardin Water Supply Corporation, Laguna Madre Water District, Harlingen Waterworks System, McAllen Public Utility, Olmito Water Supply Corporation, and others.

### **C. Primary Contact**

#### ***Primary Contact and Manager of all Engineering Services***

Orlando S. Cruz, P.E.  
President  
Tel: (956) 854-4227  
E-mail: [orlando@cruzhogan.net](mailto:orlando@cruzhogan.net)

### **D. Familiarity with State and Federal Regulations**

We are well acquainted with most of the State and federal regulations, including those of the Texas Department of Transportation, the Texas Department of Commerce, the Texas Water Development Board, the Metropolitan Planning Organization (MPO), the Texas Commission on Environmental Quality (TCEQ), the State Board of Insurance, the Texas Commission of Fire Protection, the Fire Prevention and Engineering Bureau, the Environmental Protection Agency, the U.S. Army Corps of Engineers, and the Department of Housing and Urban Development. We are well acquainted with many of the proper officials in all these agencies.

Cruz-Hogan has the expertise, diversity, knowledge, and experience needed to handle public improvement projects. The Team has successfully completed numerous public improvement projects; therefore our team is aware and up to date on the latest ordinances, standards, codes, regulations and requirements that are critical to a projects success. The following is a listing of some of those standards and criteria:

NEPA Process, Army Corp of Engineer Permit Regulations, Federal Highway Administration Policies, FEMA – Flood Insurance Maps & Regulations, TxDOT Design Standards and Policies (Roadway, Hydraulics, Bridge, Traffic Operations), AASHTO Design Standards, Texas Commission on Environmental Quality (TCEQ), National Pollutant Discharge Elimination System (NPDES), and Institute of Transportation Engineers Traffic Design Manuals.

### **E. Familiarity with Funding Programs**

Cruz-Hogan is fully aware that a successful project not only relies on technical expertise but also engineers that have a thorough understanding of the funding mechanisms for each project. Our team has been involved with projects that have been funded through city bond elections, Texas Water Development Board, Federal Highway Administration funding, Hurricane Relief funding, Texas Department of Transportation Funding (categorical), FEMA funding, Private Development Funding, Pass-Through (Comprehensive Development Agreement) funding, and Community Block Grant Development funding.

As part of our services, Cruz-Hogan has assisted and prepared applications, exhibits, and cost estimates for obtaining funds or providing compliance with these funding programs.



### III. SCOPE OF WORK

CRUZ-HOGAN *Consultants, Inc.* has experience and knowledge of the procedures, processes, and approvals required for the successful completion of a project. Our firm will expand on its experience to provide a creative approach to the design and development of all projects, including assistance for the City of Weslaco as necessary. Our staff will be pro-active and maintain continuous communication and documentation in all phases of project development.

Ultimately, the successful completion of a project can best be attributed to the approach that is taken during project development. CRUZ-HOGAN *Consultants, Inc.* knows how important it is to have a solid effective approach. CRUZ-HOGAN *Consultants, Inc.* also has experience working with the current phase-based approach system that the City of Weslaco uses for planning, designing, and providing construction phase services for a project. Utilizing elements of the current system, CRUZ-HOGAN *Consultants, Inc.* will expand on it and develop projects in three phases. Phase 1 is the Planning and Schematic Phase, Phase 2 is the Design Phase, and Phase 3 is Construction Phase Services.

**Phase 1: Planning and Schematics:** This is the first phase of project development. During this phase, the project will be looked at to determine all issues that will need to be addressed. Design alternatives and options will also be developed and evaluated from a value engineering standpoint. Our firm will also be able to provide assistance to the City of Weslaco with the facilitation and preparation of any funding agreements, attend preliminary conferences with the County and State programs, assist in obtaining approvals in relation to the Project and prepare Preliminary Engineering Feasibility reports. Preliminary investigations and research will begin during this phase; information such as as-built plans, right of way maps, topography maps, geotechnical investigations, and previous water/wastewater studies will be gathered. Other key components of Phase 1 include:

**Survey:** Survey will be ordered to gather all topographic & boundary information that is pertinent to the project.

**Phase 2: Design:** Phase 2 will consist of developing the detailed plans, specifications, bid tabulations/documents and cost estimates for each project. Proposed plans will include the preparation of a title sheet/index, plan and profile sheets, irrigation crossings, water and sewer plans, traffic control plans and sequence of work notes, SSWP3 plans and notes, and miscellaneous wastewater details. Our personnel will assist the City of Weslaco with all aspects of the Project bids, advertisement, attendance of bid openings, tabulation of the bid proposals, prepare and coordinate approval of formal Contract Documents and issue the Notice to Proceed from TDA. During this phase any other ongoing coordination will continue with the surveyors, utility companies, and others. Plans will be submitted at 30%, 60%, 90%, and 100% milestones to the City of Weslaco as well as all utility companies. Review meetings will be held to discuss and review the plan submittals. All horizontal utility conflicts will be identified at 30% and by 60%, any vertical information that may be required will either be provided by the utility companies. By the 90% milestone, utilities will be expected to provide a plan of action for any potential adjustments that may be required.

**Phase 3: Construction Phase Services:** CRUZ-HOGAN *Consultants, Inc.* will provide construction phase services support for all projects. Our personnel will be readily available during the bidding process to answer and address any questions that potential bidders may

have. Upon awarding the construction contract, our personnel will request and coordinate all necessary construction staking (if required), and will make site visits to the project to assure plan compliance. Our personnel will schedule periodic construction meetings to assure that the project is on schedule. Our staff will continue to coordinate with the contractor and the utility companies to assure that the contractor and utility companies are aware of each other's schedules. Any Requests for Information that the contractor may have will be promptly addressed. Our staff will coordinate and process any required change orders. If required, our staff will inspect and provide inspection reports for all Storm Water Pollution Prevention Measures as per TPDES Requirements. Throughout the project construction our staff will review all shop drawings, review and recommend approval of request for payment, and will work hand-in-hand with the City's Staff to ensure that the work is progressing per plans. Upon completion of the project, a final inspection will be performed with the contractor, the City of Weslaco and/or Inspectors, and Project Manager. A final punch list for the contractor will be developed in order to assure that the project is to the satisfaction of the City of Weslaco.

Lastly, CRUZ-HOGAN *Consultants, Inc.* will compile and distribute all construction redlines to design consultants for preparation of the "Plan of Record" or "As-Built" Plans from the design consultants and deliver them to the City.

### **STATEMENT OF SUBMISSION**

Orlando S. Cruz, P.E. hereby confirms that members of our firm are not nor ever have been debarred from any federal program within the past 5 years; have not been convicted or plead guilty to any offense related to bribery; and are authorized to submit this proposal on behalf of CRUZ-HOGAN *Consultants, Inc.*

### **PARTICIPATION OF MWBE**

CRUZ-HOGAN *Consultants, Inc.* is certified for the Disadvantaged Business Enterprise (DBE), Minority Business Enterprise (MBE) by the Texas Water Development Board on past projects and certified as a Historically Underutilized Business (HUB) by the State of Texas.

## IV. QUALITY ASSURANCE/QUALITY CONTROL PRACTICES

CRUZ-HOGAN *Consultants, Inc.* currently has the resources, professional support staff and required personnel along with the experience and capabilities to complete projects on schedule. We have the staff immediately available for all of the City's assignments. CRUZ-HOGAN *Consultants, Inc.* offers two fully staffed offices in the Rio Grande Valley and the flexibility to immediately respond to critical phases in all projects.

A big part of the success of CRUZ-HOGAN *Consultants, Inc.* is our commitment to QA/QC Practices. We have an established a set of criteria that are the foundation of our QA/QC Procedures. These criteria are the following:

- **Knowledge/Experience:** Cruz-Hogan will assign a knowledgeable and experienced team member to lead the various tasks to minimize errors and omissions.
- **Coordination/Communication:** Cruz-Hogan will establish open lines of communication between the Engineer and all team members to assure that all project needs are addressed. All information regarding the project progress and related plan changes will be forwarded to all team members.
- **Constructability Review:** The plans will be reviewed at all project milestones to determine if the proposed designs are safe and provide adequate consideration to constructability and value engineering.
- **Accuracy/Completeness:** The plans will be reviewed to identify any drafting and design discrepancies and to verify that the plans are in compliance with the respective design manuals. Construction quantities will be tabulated by several individuals to verify accuracy. The plans will also be reviewed to assure that all bid items are accounted for.
- **Design Schedules:** Schedules will be developed for the design phase of the project in order to complete the project design in a timely manner.

The success of the Cruz-Hogan QA/QC Program is that it incorporates the five founding criteria in a three level review process. Prior to each submittal, the plans will first be reviewed on the production level. Technicians and draftsmen will review one another's work. The second level of review will be done by the Project Engineers and EIT's. A full set of plans will be reviewed by each of the engineers and EIT's working on the project. They will cross-reference each other's comments and redlines prior to revisions. The final level of review is by the Project Manager, Deputy Project Manager, and QA/QC Manager. They also will cross-reference each other's comments and redlines prior to revisions.

Throughout the QA/QC Process, the design and consideration of utility design will be closely looked at to minimize conflicts. Cruz-Hogan will coordinate internally to assure the most feasible solution is used for all conflicts, whether it be a design change (i.e. inlet adjustments, profile adjustments, etc.) or having to design a utility relocate. The design and construction schedule of the utility companies will be considered in the overall project schedule and traffic control plans will include providing safe work zones for utility adjustments.

Cruz-Hogan has demonstrated its ability to provide excellent, innovative, cost-saving engineering and design services in a timely manner. The overall commitment that Cruz-Hogan provides to the project is unsurpassed. Attention to detail and rapid response to issues are a staple of the Cruz-Hogan Philosophy. Cruz-Hogan has an excellent track record for successful projects and extremely satisfied clients.



## V. CLIENT REFERENCES

The following is reference and client contact information for representative projects that have been recently completed by our firm or are underway. Please see **Tables 1 and 2** in **Section VII – Firm Experience & Qualifications** for representative street and drainage projects of our firm.

**Client:** **City of McAllen Public Utility**  
1300 Houston Ave., McAllen, Texas 78501  
**Contact Person:** Marco A. Vega, P.E., General Manager, (956) 681-1630  
**Project Name(s):** Lift Station Improvements, Water Distribution and Sewer Collection System Improvement

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**Client:** **City of San Juan**  
709 South Nebraska, San Juan, Texas 78589  
**Contact Person:** Benjamin Arjona, City Manager, (956) 223-2300  
**Project Name(s):** Water Treatment Plant Expansion, Master Lift Station Improvements, Roadway Improvements, Water/Wastewater/Storm Drainage Master Plans and City Engineering Services

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**Client:** **City of Alamo**  
420 North Tower Road, Pharr, Texas 78516  
**Contact Person:** Robert Salinas, City Manager, (956) 787-0006  
**Project Name(s):** Roadway and Street Improvements, Water Distribution Improvements, Storm Drainage Improvements

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**Client:** **City of McAllen**  
1300 Houston Avenue, McAllen, Texas 78501  
**Contact Person:** Roy Rodriguez, P.E., City Manager, (956) 681-3111  
**Project Name(s):** Roadway and Street Improvements, Water Distribution Improvements, Storm Drainage Improvements

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**Client:** **City of Weslaco**  
255 South Kansas Ave., Weslaco, Texas 78596  
**Contact Person:** Mike R. Perez, City Manager, (956) 968-3181  
**Project Name(s):** Urban County Water and Wastewater Projects

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**ADDITIONAL REFERENCES:**

Hon. James Chambers  
Mayor  
Town of Indian Lake  
(956) 233-4021

Juan J. Rodriguez  
Assistant General Manager  
City of McAllen Public Utilities  
(956) 681-1630

Tomas Tamayo  
Operations Manager  
Olmito Water Supply Corp  
(956) 350-4900

Jared Hockema  
City Manager  
City of Port Isabel  
(956) 943-2682

David Garza  
County Commissioner  
Cameron County  
(956) 245-6099

Tim Skoglund, P.E.  
General Manager  
Harlingen Water Works System  
(956) 430-6100

Hon. Susie Houston  
Mayor  
Town of Laguna Vista  
(956) 943-1793

## **VI. PARTIAL LIST OF CLIENTS**

### **CITIES**

- City of Harlingen
- City of Lyford
- City of Port Isabel
- City of Raymondville
- City of Rio Hondo
- City of San Benito
- City of Alamo
- City of Alton
- City of Donna
- City of Falfurrias
- City of Mercedes
- City of McAllen
- City of Pharr
- City of San Juan
- City of Weslaco
- Town of Indian Lake
- Town of Laguna Vista
- Town of South Padre Island

### **COUNTIES**

- Cameron County
- Hidalgo County
- Willacy County
- Brooks County

### **WATER SUPPLY CORPORATIONS AND CITY WATERWORKS**

- El Jardin Water Supply Corporation
- Falfurrias Water Board
- Harlingen Waterworks System
- Laguna Madre Water District
- McAllen Public Utility
- Olmito Water Supply Corporation

### **SCHOOL DISTRICTS**

- Edinburg ISD
- Harlingen ISD
- San Benito CISD

### **PUBLIC HOUSING AUTHORITIES**

- Amigos Del Valle Housing
- Brownsville Housing Authority
- Harlingen Housing Authority
- San Benito Housing Authority



## VII. FIRM EXPERIENCE AND QUALIFICATIONS

CRUZ-HOGAN *Consultants, Inc.*, has extensive capabilities in public works projects including street and water improvements design and planning. Other areas of expertise include roadways, drainage, water and wastewater systems, flood control, environmental and permitting. The Firm serves clients throughout the Rio Grande Valley.

Our Firm has worked on numerous projects for several Cities, Towns, and Counties with the TDA Texas Community Development Block Grant (TxCDBG) programs. The following **Table 1 and 2** include recent Street and Storm Drainage projects of the Firm.



**TABLE 1**  
**STREET & DRAINAGE PROJECT REFERENCES – HIDALGO COUNTY**

| PROJECT NAME AND LOCATION                                                                                                              | FIRM'S ROLE AND RESPONSIBILITY                                     | CURRENT OR FINAL CONSTRUCTION CONTRACT AMOUNT | ACTUAL/ PROJECTED COMPLETION DATE |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|-----------------------------------|
| <b>City of McAllen – Dove Avenue Drainage Improvements Project (Bentsen Road to North 41<sup>st</sup> St.)</b><br>(McAllen, Texas)     | Planning, Engineering<br>Design and Construction<br>Administration | \$1,924,627.00                                | Under Design                      |
| <b>City of McAllen – Drainage Utility Project – McAllen Lateral Channel Drainage Improvements</b><br>(McAllen, Texas)                  | Planning, Engineering<br>Design and Construction<br>Administration | \$2,000,000.00                                | Under Design                      |
| <b>City of McAllen – Drainage Utility Project – Camelia Avenue at North 8<sup>th</sup> Drainage Improvements</b><br>(McAllen, Texas)   | Planning, Engineering<br>Design and Construction<br>Administration | \$185,000.00                                  | Design Complete                   |
| <b>City of San Juan – Paving Reconstruction Improvements, Phase 3</b><br>(San Juan, Texas)                                             | Planning, Engineering<br>Design and Construction<br>Administration | \$1,420,000.00                                | Under Construction                |
| <b>City of Alamo – Design of Two Regional Detention Facilities at Livas Elementary and Farias Elementary Schools</b><br>(Alamo, Texas) | Planning, Engineering<br>Design and Construction<br>Administration | \$600,000.00                                  | Under Design                      |
| <b>Hidalgo County Drainage District No. 1 – Highway 281 &amp; FM 88 – 2018 Bond Referendum Project No. 14</b><br>(Weslaco, Texas)      | Planning, Engineering<br>Design and Construction<br>Administration | \$1,233,750.00                                | Design Complete                   |
| <b>Hidalgo County Precinct No. 2 – Minnesota Road Project (Raul Longoria to Cesar Chavez)</b><br>(San Juan, Texas)                     | Planning, Engineering<br>Design and Construction<br>Administration | \$770,000.00                                  | Design Complete                   |
| <b>City of McAllen – 2018 Drainage Bond Stormwater Management Improvement Projects</b><br>(McAllen, Texas)                             | Planning, Engineering<br>Design and Construction<br>Administration | \$2,997,000.00                                | Under Construction                |
| <b>Hidalgo County Precinct No. 2 – Moore Road Project (Veterans Blvd. to San Antonio Rd.)</b><br>(San Juan, Texas)                     | Planning, Engineering<br>Design and Construction<br>Administration | \$800,000.00                                  | Under Design                      |
| <b>City of San Juan – 2018 Street Improvements Project</b><br>Hidalgo County Urban County Program<br>(San Juan, Texas)                 | Planning, Engineering<br>Design and Construction<br>Administration | \$280,000.00                                  | December 2019                     |
| <b>City of Donna – 2017 Street Improvements to South Ave.</b><br>Hidalgo County Urban County Program<br>(Donna, Texas)                 | Planning, Engineering<br>Design and Construction<br>Administration | \$205,000.00                                  | August 2019                       |
| <b>City of San Juan – Paving Reconstruction Improvements, Phase 2</b><br>(San Juan, Texas)                                             | Planning, Engineering<br>Design and Construction<br>Administration | \$2,180,000.00                                | December 2018                     |
| <b>Hidalgo County Precinct No. 2 – Street &amp; Drainage Improvements for Plena Vista Subdivision, Unit 2</b><br>(Alamo, Texas)        | Planning, Engineering<br>Design and Construction<br>Administration | \$ 460,000.00                                 | March 2018                        |

**TABLE 1**  
**STREET & DRAINAGE PROJECT REFERENCES – HIDALGO COUNTY**

| PROJECT NAME AND LOCATION                                                                                                                                        | FIRM'S ROLE AND RESPONSIBILITY                                      | CURRENT OR FINAL CONSTRUCTION CONTRACT AMOUNT | ACTUAL/ PROJECTED COMPLETION DATE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------|-----------------------------------|
| <b>City of San Juan – Paseo de las Flores &amp; Public Safety Building &amp; Development Drainage Improvements</b><br>(San Juan, Texas)                          | Planning, Engineering<br>Design and Construction<br>Administration  | \$ 885,000.00                                 | 2017                              |
| <b>City of San Juan – Los Chaparrales Subdivision Phase I Drainage &amp; Sgt. Leonel Treviño Road Widening</b><br>(San Juan, Texas)                              | Planning, Engineering<br>Design and Construction<br>Administration  | \$ 1,323,600.00                               | 2017                              |
| <b>City of Pharr – Pharr/Reynosa International Bridge Northbound Lanes</b><br>(Pharr, Texas)                                                                     | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 2,200,000.00                               | 2015                              |
| <b>City of Donna - Improvements to Old La Blanca Road</b><br>(Donna, Texas)                                                                                      | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 380,000.00                                 | 2015                              |
| <b>City of San Juan - 2014 Street Reconstruction Project</b><br>(San Juan, Texas)                                                                                | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 870,000.00                                 | 2014                              |
| <b>City of San Juan - Lowering of Canal Crossings &amp; Road Widening at Eldora &amp; Sgt. Treviño Roads</b><br>(San Juan, Texas)                                | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 650,000.00                                 | 2014                              |
| <b>City of Weslaco - FEMA Storm Drainage Improvements-Phase I (HMGP)</b><br>(Weslaco, Texas)                                                                     | Planning, Engineering<br>Design and<br>Environmental                | \$ 313,000.00                                 | 2013                              |
| <b>City of San Juan - 2011 Flood Drainage Improvements</b><br>Urban County Program<br>(San Juan, Texas)                                                          | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 230,000.00                                 | 2013                              |
| <b>City of Pharr - West Hall Acres Street Improvements</b><br>(Pharr, Texas)                                                                                     | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 2,500,000.00                               | 2013                              |
| <b>City of San Juan - Downtown Revitalization Project</b><br>City of San Juan Economic Development Corporation<br>(San Juan, Texas)                              | Planning, Engineering,<br>Design and Construction<br>Administration | \$ 1,700,000.00                               | 2012                              |
| <b>City of San Juan - Maria Lane Paving &amp; Drainage Improvements</b><br>(San Juan, Texas)                                                                     | Planning, Engineering<br>Design and Construction<br>Administration  | \$ 200,000.00                                 | 2011                              |
| <b>City of Edcouch - Contract B: Drainage Improvements</b><br>Texas Department of Rural Affairs / Hurricane Ike/Dolly Disaster Recovery Project (Edcouch, Texas) | Planning, Engineering<br>Design and Construction<br>Administration  | \$ 50,000.00                                  | 2011                              |
| <b>City of San Juan - 2010 Street Reconstruction Project</b><br>(San Juan, Texas)                                                                                | Planning, Engineering<br>Design and Construction<br>Administration  | \$ 450,000.00                                 | 2010                              |

**TABLE 2**  
**STREET & DRAINAGE PROJECT REFERENCES - CAMERON & WILLACY COUNTIES**

| PROJECT NAME AND LOCATION                                                                                                                                                                                              | FIRM ROLE AND RESPONSIBILITY                                 | CURRENT OR FINAL CONSTRUCTION CONTRACT | ACTUAL/ PROJECTED COMPLETION DATE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------|-----------------------------------|
| <b>City of Port Isabel – Street Improvements to South Shore Drive (Cisneros St. to Adams St.)</b><br>Texas Community Development Block Grant Project<br>No. 7219330<br>(Port Isabel, Texas – Cameron County)           | Planning, Engineering Design and Construction Administration | \$268,000.00                           | Under Construction                |
| <b>Town of Indian Lake – Paving &amp; Drainage Improvements to Aztec Cove Drive (Vista Cove Drive Area)</b><br>Texas Community Development Block Grant Project<br>No. 7218229<br>(Indian Lake, Texas – Cameron County) | Planning, Engineering Design and Construction Administration | \$218,000.00                           | Pending                           |
| <b>Town of Laguna Vista - Street Paving Improvements to Beach Blvd.</b><br>(Laguna Vista, Texas – Cameron County)                                                                                                      | Planning, Engineering Design and Construction Administration | \$275,000.00                           | 2018                              |
| <b>Willacy County – Street Improvements to Wells Street (6<sup>th</sup> to 9<sup>th</sup> Street)</b><br>Texas Community Development Block Grant Project<br>No. 7216125<br>(Lasara, Texas – Willacy County)            | Planning, Engineering Design and Construction Administration | \$180,000.00                           | 2018                              |
| <b>Town of Laguna Vista – Street Improvements to Orange Street (Hibiscus to FM 510)</b><br>Texas Community Development Block Grant Project<br>No. 7216279<br>(Laguna Vista, Texas – Cameron County)                    | Planning, Engineering Design and Construction Administration | \$180,000.00                           | 2017                              |
| <b>City of Port Isabel – Street Improvements to Tarnava &amp; Railroad Streets</b><br>Texas Community Development Block Grant Project<br>No. 7216380<br>(Port Isabel, Texas – Cameron County)                          | Planning, Engineering Design and Construction Administration | \$186,000.00                           | 2017                              |
| <b>Town of Indian Lake – Paving &amp; Drainage Improvements to Aztec Cove Drive</b><br><b>Texas Community Development Block Grant Project No. 7215241</b><br>(Indian Lake, Texas – Cameron County)                     | Planning, Engineering Design and Construction Administration | \$175,000.00                           | 2017                              |
| <b>Town of Indian Lake – Improvements to Existing North Lake</b><br><b>Texas Community Development Block Grant Project No. 7214221</b><br>(Indian Lake, Texas – Cameron County)                                        | Planning, Engineering Design and Construction Administration | \$163,000.00                           | 2016                              |
| <b>Town of Laguna Vista - Street Improvements (Ebony/Hibiscus to FM 510)</b><br>Texas Community Development Block Grant Project<br>(Laguna Vista, Texas – Cameron County)                                              | Planning, Engineering Design and Construction Administration | \$168,000.00                           | 2015                              |
| <b>Town of Laguna Vista - Improvements to Palm Boulevard and Mesquite Drive Project</b><br>(Laguna Vista, Texas – Cameron County)                                                                                      | Planning, Engineering Design and Construction Administration | \$323,000.00                           | February 2015                     |

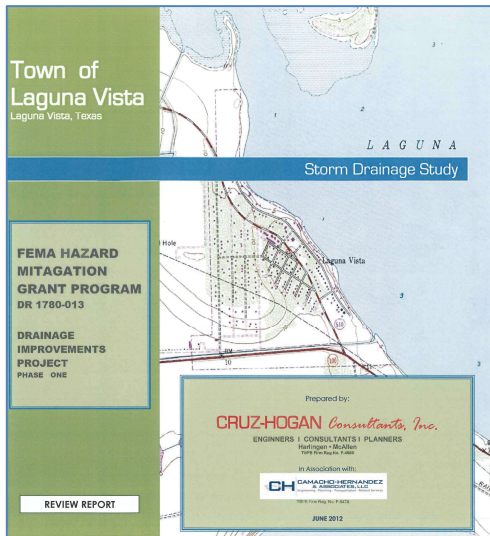


**TABLE 2**  
**STREET & DRAINAGE PROJECT REFERENCES - CAMERON & WILLACY COUNTIES**

| PROJECT NAME AND LOCATION                                                                                                                                                                                                 | FIRM ROLE AND RESPONSIBILITY                                 | CURRENT OR FINAL CONSTRUCTION CONTRACT | ACTUAL/ PROJECTED COMPLETION DATE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------|-----------------------------------|
| <b>City of Lyford – Eleventh and Seventh Street Improvements Project</b><br>(Lyford, Texas – Willacy County)                                                                                                              | Planning, Engineering Design and Construction Administration | \$130,000.00                           | 2014                              |
| <b>Willacy County - Contract B – Street &amp; Drainage Improvements, Supplemental Project</b> , Texas General Land Office - Hurricane Ike/Dolly Disaster Recovery Project (Willacy County)                                | Planning, Engineering Design and Construction Administration | \$250,000.00                           | 2014                              |
| <b>FEMA Storm Drainage Improvements-Phase I</b> (HMGP)<br>(Laguna Vista, Texas – Cameron County)                                                                                                                          | Planning, Engineering Design and Environmental               | \$136,000.00<br>(Study Report)         | 2012                              |
| <b>Willacy County - Contract B – Street &amp; Drainage Improvements</b><br>Texas Department of Rural Affairs - Hurricane Ike/Dolly Disaster Recovery Project (Willacy County)                                             | Planning, Engineering Design and Construction Administration | \$800,000.00                           | 2012                              |
| <b>Town of Laguna Vista - Drainage Improvements on Ebony Lane</b><br>Texas Department of Rural Affairs - Hurricane Ike/Dolly Disaster Recovery Project (Laguna Vista, Texas – Cameron County)                             | Planning, Engineering Design and Construction Administration | \$70,000.00                            | 2011                              |
| <b>Cameron County Drainage Improvements - Yturria &amp; Musina Street Areas in Port Isabel</b><br>Texas Department of Rural Affairs - Hurricane Ike/Dolly Disaster Recovery Project (Port Isabel, Texas – Cameron County) | Planning, Engineering Design and Construction Administration | \$170,000.00                           | 2011                              |
| <b>City of Port Isabel - Improvements to City Streets Project</b> : City Wide Program<br>(Port Isabel, Texas – Cameron County)                                                                                            | Planning, Engineering Design and Construction Administration | \$170,000.00                           | October 2011                      |
| <b>Willacy County - Street &amp; Roadway Improvements Project</b><br>Border Colonia Access Program, Call No. 3 (Willacy County)                                                                                           | Planning, Engineering Design and Construction Administration | \$260,000.00                           | 2009                              |
| <b>City of San Benito - Improvements to Stenger Street Project</b><br>(San Benito, Texas – Cameron County)                                                                                                                | Planning, Engineering Design and Construction Administration | \$360,000.00                           | 2009                              |
| <b>City of Lyford - Street Improvements Project</b><br>(Lyford, Texas – Cameron County)                                                                                                                                   | Planning, Engineering Design and Construction Administration | \$130,000.00                           | 2009                              |

## FEMA HAZARD MITIGATION GRANT PROGRAM EXPERIENCE

CRUZ-HOGAN *Consultants, Inc.* has experience with the FEMA Hazard Mitigation Grant Program. We have completed three Storm Drainage Studies under this program for the Town of Laguna Vista and the City of Weslaco.



### Town of Laguna Vista Storm Drainage Study Drainage Improvements Project, Phase One

Completed: June 2012

# TOWN OF LAGUNA VISTA

## PHASE I DRAINAGE IMPROVEMENTS

FEMA PROJECT No. DR 1780-013

**DRAWING INDEX**

|          |                                                                               |
|----------|-------------------------------------------------------------------------------|
| SHEET 1  | LOCATION MAP                                                                  |
| SHEET 2  | GENERAL NOTES                                                                 |
| SHEET 3  | PLAN AND PROFILE - EBONY DRIVE - LAGUNA MADRE TO BEACH BOULEVARD STA. 5+35    |
| SHEET 4  | PLAN AND PROFILE - EBONY DRIVE - STA. 5+35 TO F.M. 510                        |
| SHEET 5  | PLAN AND PROFILE - F.M. 510 - EBONY DRIVE TO STA. 11+30                       |
| SHEET 6  | PLAN AND PROFILE - F.M. 510 - STA. 11+30 TO MESQUITE DRIVE STA. 13+50         |
| SHEET 7  | PLAN AND PROFILE - MESQUITE DRIVE - STA. 13+50 TO STA. 18+00                  |
| SHEET 8  | PLAN AND PROFILE - MESQUITE DRIVE - STA. 18+00 TO STA. 22+50                  |
| SHEET 9  | PLAN AND PROFILE - MESQUITE DRIVE - STA. 22+50 TO FERNANDEZ STREET STA. 26+00 |
| SHEET 10 | PLAN AND PROFILE - EBONY DRIVE - F.M. 510 TO STA. 13+00                       |
| SHEET 11 | PLAN AND PROFILE - EBONY DRIVE - STA. 13+00 TO STA. 16+00                     |
| SHEET 12 | STORM WATER POLLUTION PREVENTION PLAN (SW3P)                                  |
| SHEET 13 | STORM WATER POLLUTION PREVENTION PLAN (SW3P)                                  |
| SHEET 14 | STORM WATER POLLUTION PREVENTION PLAN (SW3P)                                  |
| SHEET 15 | STORM SEWER MANHOLE DETAILS                                                   |
| SHEET 16 | STORM SEWER DETAILS                                                           |

**TOWN OF LAGUNA VISTA**

|                   |                |
|-------------------|----------------|
| SUSIE HOUSTON     | MAYOR          |
| MIKE CARTER       | COUNCIL MEMBER |
| STEVE MUSCHENHEIM | COUNCIL MEMBER |
| PAUL VILLAS       | COUNCIL MEMBER |
| LETI KEPLINGER    | COUNCIL MEMBER |
| RITA C. GARCIA    | COUNCIL MEMBER |
| BILL SCHNIER      | COUNCIL MEMBER |
| ROLANDO VELA      | CITY MANAGER   |

NOVEMBER, 2011

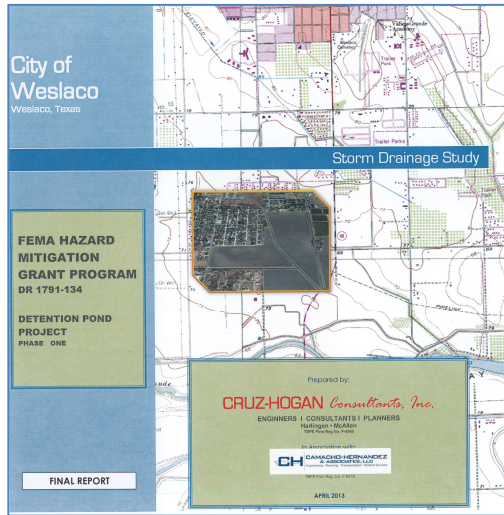
**CRUZ-HOGAN *Consultants, Inc.***

Engineers • Planners • Consultants

Harlingen • McAllen

FIRM REGISTRATION NUMBER: F-4880

6-12-11



**City of Weslaco  
Storm Drainage Study  
Detention Pond Project, Phase One**

**Completed: April 2013**

# CITY OF WESLACO

WESLACO, TEXAS

## SOUTH DRAIN DETENTION POND STORM DRAINAGE IMPROVEMENTS

FEMA HAZARD MITIGATION GRANT PROGRAM - PHASE I  
FEMA PROJECT No. 1791-134

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                  |                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <p><b>DRAWING INDEX</b></p> <p>SHEET 1. LOCATION MAP<br/>SHEET 2. GENERAL NOTES<br/>SHEET 3. EXISTING OVERALL PLAN<br/>SHEET 4. PROPOSED STORM DRAINAGE DETENTION POND LAYOUT - MILE 5 1/2 WEST TO MATCH LINE<br/>SHEET 5. PROPOSED STORM DRAINAGE DETENTION POND LAYOUT - MATCH LINE TO DRAINAGE DITCH<br/>SHEET 6. STORM DETENTION POND CROSS-SECTION A - A<br/>SHEET 7. STORM DETENTION POND CROSS-SECTION B - B<br/>SHEET 8. STORM DETENTION POND INLET CROSS SECTION<br/>SHEET 9. STORM DETENTION POND OUTLET CROSS SECTION<br/>SHEET 10. DETAILS</p> | <p><b>CITY OFFICIALS</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>MIQUEL D. WISE<br/>JOHN F. CUELLAR<br/>ROBERT J. GARZA<br/>RENE RODRIGUEZ, JR.<br/>GERARDO TAFOLLA<br/>LUPE V. RIVERA<br/>JOE A. MARTINEZ</p> </td> <td style="width: 50%;"> <p>MAYOR-PRO TEM<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER</p> </td> </tr> </table> | <p>MIQUEL D. WISE<br/>JOHN F. CUELLAR<br/>ROBERT J. GARZA<br/>RENE RODRIGUEZ, JR.<br/>GERARDO TAFOLLA<br/>LUPE V. RIVERA<br/>JOE A. MARTINEZ</p> | <p>MAYOR-PRO TEM<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER</p> |
| <p>MIQUEL D. WISE<br/>JOHN F. CUELLAR<br/>ROBERT J. GARZA<br/>RENE RODRIGUEZ, JR.<br/>GERARDO TAFOLLA<br/>LUPE V. RIVERA<br/>JOE A. MARTINEZ</p>                                                                                                                                                                                                                                                                                                                                                                                                           | <p>MAYOR-PRO TEM<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER<br/>COMMISSIONER</p>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                  |                                                                                          |

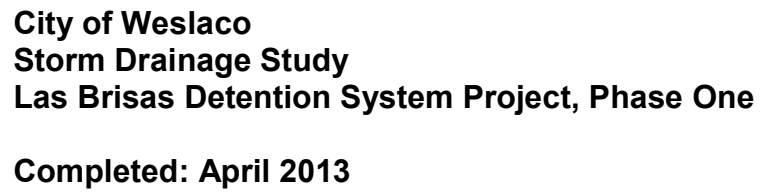
**CRUZ-HOGAN Consultants, Inc.**  
Engineers • Planners • Consultants  
Hortingen • McAllen

TYPE FIRM REGISTRATION NUMBER: F-4860

**SEPTEMBER, 2012**

This document is preliminary and is released for the purpose of public review and discussion only under the authority of Ordinance S. 0101, P.O. No. 105740, on September 4, 2012.

01WESLACOVER



## Section 1

### Experience



## VIII. CAPACITY TO PERFORM

CRUZ-HOGAN *Consultants, Inc.*, has been in business continually since 1987 and currently has a staff of over 15 employees, including associates. The firm's principals have been active in the private consulting sector for many years, collectively, providing services to clients in South Texas and surrounding areas and completing some 500 public works-type projects.

### CURRENT WORKLOAD AVAILABILITY

CRUZ-HOGAN *Consultants, Inc.* currently has sufficient engineering and technical staff, resources and capabilities to immediately commence and complete any and all work assignments.

Our firm offers **3 Registered Licensed Professional Engineers** (PEs) and **two fully staffed offices** here in the Rio Grande Valley and offers the flexibility to immediately respond to any project.

CRUZ-HOGAN *Consultants, Inc.* has the ability, due to the size of our current workforce, to easily schedule and accommodate any project into our current workload.

### KEY PERSONNEL RESUMES

**Orlando S. Cruz, P.E., President**, has been active in private consulting engineering and planning for many years. He is manager of the Weslaco Office and has been in charge of the design and development of numerous projects throughout the Rio Grande Valley and South Texas.

**Ronnie Cruz, P.E., CFM, Vice-President**, is a principal and manager of the McAllen office. He has managed and designed many public works projects in the South Texas area.

**Marcus Cruz, P.E., CFM**, is currently working as a project engineer for on-going waterworks projects and other public works.

**David Lopez, Jr., E.I.T.**, is currently working as a project engineer for on-going waterworks projects and other public works. He has served as a designer, project engineer, and project manager for numerous design and construction projects in Texas.

Resumes follow:



## ORLANDO S. CRUZ, P.E.

### *President*

#### EDUCATION:

Bachelor of Science in Civil Engineering, University of Texas at Austin, 1979

#### REGISTRATION:

Registered Professional Engineer  
State of Texas License No. 55740

#### PROFESSIONAL ACTIVITIES:

American Waterworks Association- Member

#### CAREER HISTORY:

1986 - Present  
Cruz-Hogan Consultants,  
McAllen, Weslaco, & Harlingen, Texas  
President

1984 - 1986  
O.R. Consulting Engineers,  
Harlingen, Texas  
Partner

1979 - 1984  
J.A. Jones, Dallas, Texas  
Design Engineer

#### AREAS OF EXPERTISE:

- Civil Engineering
- Storm Drainage
- Highway and Street Design
- Water and Wastewater Systems
- Water and Wastewater Treatment

Mr. Cruz is President of Cruz-Hogan Consultants, Inc. He has a vast experience in and has worked on a variety of civil engineering and related projects. He has also designed and supervised the construction of storm drainage, street pavement, water and sanitary sewer projects, and served as chief designer and project engineer for numerous projects located in South Texas. Mr. Cruz will assure the client that a high level of resources and technical expertise is maintained to ensure schedule conformance and adherence to project budget. Mr. Cruz will be available for immediate response to the client's needs at any time.

#### SUMMARY OF RELATED EXPERIENCE:

- City of San Juan, TX – 3.5 MGD Water Treatment Plant Expansion Project and Wastewater Collection System Improvements Projects; Water and Wastewater Master Plan Study
- Master Planning of Water Supply, Treatment and Storage Facilities, City of San Benito
- Waterworks Planning Study, City of Alamo
- Water Transmission Main Project (16" and 20" Mains), City of Harlingen Waterworks System
- Water and Sewer line Extension Project (5 Miles), City of San Benito,
- Street Improvements Projects, Cities of Harlingen, San Benito, Port Isabel, Santa Rosa
- Storm Sewer Projects, Cities of San Benito, Harlingen and Port Isabel
- Water and Sewer Colonia Project, City of Falfurrias and Brooks County
- Water Plant Expansion Project, Olmito Water Supply Corporation
- Water Plant Rehabilitation Project Including High Service Pumping and Ground Storage, City of San Benito
- Master Water and Wastewater Facilities Study and Implementation, El Jardin WSC
- New 5.50 MGD Water Treatment Plant (Consultant to Prime), City of Alamo, Texas
- New Water and Wastewater Facilities For City of San Benito
  - 6.0 MGD Water Plant
  - 2.5 MGD Sewer Plant
  - 1.0 MGD Elevated Storage



## RONNIE CRUZ, P.E., CFM

*Vice - President*

### EDUCATION:

BSCE – Architectural/Civil Engineering,  
University of Texas at Austin

### REGISTRATION:

Registered Professional Engineer  
State of Texas License No. 55459

Certified Floodplain Manager  
Certification No. 2267-12N

### PROFESSIONAL ACTIVITIES:

McAllen Chamber of Commerce  
Board Chairman – McAllen Housing Authority  
Past Director – McAllen Economic Development  
Corporation  
Past Director – McAllen Boys & Girls Club  
Past Member – Edinburg/McAllen Water Reuse  
Committee  
Past Commissioner – Building Board of  
Adjustments and Appeals

### AREAS OF EXPERTISE:

- Civil Engineering
- Highway and Street Design
- Drainage Design
- Utility Design
- Engineering Planning Studies
- Construction Development

### CAREER HISTORY:

2003 - Present  
Cruz-Hogan Consultants, Inc.  
McAllen, Texas  
Vice-President

1988 - 2003  
CEC Consulting Engineers, Inc.  
McAllen, Texas

1985 - 1988  
Triad Engineering  
McAllen, Texas

1980 - 1985  
Texas Department of Transportation  
Corpus Christi, Texas

Mr. Cruz has over 30 years in experience in the design of street and drainage plans, and water and sewer line projects. Experience prior to joining the firm includes 5 years with the Texas Department of Highways as a design and project Engineer. He designed and oversaw the construction of several street and drainage projects in the Corpus Christi area. Subsequent experience includes being City Engineer for several cities and providing required City Engineering Services. Mr. Cruz was City Engineer for the City of Alamo for 9 ½ years. His responsibilities were to advise the City on engineering issues, to design and manage projects including sewer infrastructure and roads in conjunction with TXDOT. Most recently, he had been serving as City Engineer for the City of San Juan for the last 8 years. His experience also includes the planning and design of streets and utilities for various Cities throughout the Valley and knowledge of projects involving large sewer lines while working for the McAllen Public Utility. Other experience includes streets and drainage, sewer, water, etc., for the Cities of McAllen, Alamo, San Benito, Weslaco, Donna, Falfurrias, San Juan and Harlingen.

### SUMMARY OF RELATED EXPERIENCE:

- City of San Juan, TX – 3.5 MGD Water Treatment Plant Expansion Project and Wastewater Collection System Improvements Projects; Water and Wastewater Master Plan Study
- 5 MG Water Treatment Plant, City of Alamo
- 1 MG Water Ground Storage Tank, City of Alamo
- Master Planning for the Cities of Schulenburg, La Grange, Alamo, and San Juan
- Waterworks Planning for the Cities of Alamo and San Juan
- 42" Sewer line Transmission, McAllen Public Utility
- Storm Sewer Projects for the Cities of McAllen, San Juan, Alamo, and Pharr
- Water line Improvements for the Cities of Alamo, San Juan, & Weslaco, and McAllen Public Utility
- 24" Sewer Line Transmission for McAllen Public Utility
- Lift Station Design for McAllen Public Utility, Cities of Alamo and San Juan
- Street Improvements Project for the Cities of San Juan, Pharr, and Alamo



# CRUZ - HOGAN

ENGINEERS | PLANNERS

McAllen | Harlingen | Weslaco

TBPE FIRM REGISTRATION No: F - 4860

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## MARCUS D. CRUZ, P.E.

*Project Engineer*

### EDUCATION:

Bachelor of Science in Civil Engineering.  
University of Texas-San Antonio 2005-2011

### REGISTRATION:

Registered Professional Engineer  
State of Texas License No. 126718

Certified Floodplain Manager  
Certification No. 2266-12N

### CAREER HISTORY:

April 2012 – Present  
Cruz-Hogan Consultants, Inc.  
Weslaco, Texas  
Project Engineer

### SUMMARY OF RELATED EXPERIENCE:

- City of Lyford, TX – Resident Project Inspection
- City of San Juan, TX – Resident Project Inspection
- City of San Juan, TX – WTP Project
- Olmito WSC – Waterline Project
- Town of Laguna Vista – Street Improvements Project
- Town of Indian Lake – Street Improvements Project

Mr. Cruz is currently serving as a Junior Engineer Resident Inspector for several construction projects. Mr. Cruz's duties included providing engineering and technical support to on-site projects, expediting field changes, performing QA/QC inspections, keeping RFI & Submittal logs, reviewing and processing pay applications and certified payrolls, and conducting monthly status reports.





# CRUZ - HOGAN

ENGINEERS | PLANNERS

McAllen | Harlingen | Weslaco

TBPE FIRM REGISTRATION No: F - 4860

## DAVID LOPEZ, JR., E.I.T.

*Project Engineer*

### EDUCATION:

Bachelor of Science in Civil Engineering.  
University of Texas-Pan American, 2014

### REGISTRATION:

Texas Engineer In Training (E.I.T.) No. 66213

### CAREER HISTORY:

January 2020 – Present  
Cruz-Hogan Consultants, Inc.  
McAllen, Texas  
Project Engineer

2014 – 2019  
Lockwood, Andrews & Newnam, Inc. (LAN)  
Corpus Christi, Texas  
Engineer III

2014  
VCC, LLC  
McAllen, Texas  
Assistant Project Manager

Mr. Lopez has more than 6 years of engineering experience and has served as a designer, project engineer, and project manager for numerous design and construction projects in Texas both as a consultant and as a public employee augment staff. He has worked with many municipalities, ports, and other local entities. His background includes design and construction management of various projects that includes sewer rehabilitation, roads and streetscape projects, drainage improvements, water distribution and treatment, and wastewater treatment improvements projects.

Mr. Lopez is currently serving as Project Engineer. Primary responsibilities include design and construction management of Projects such as: street, drainage, water and sewer utilities, water treatment plant facilities, and other miscellaneous public works projects. Other responsibilities include: providing engineering and technical support to on-site projects, expediting field changes, performing QA/QC inspections, keeping RFI & Submittal logs, reviewing and processing pay applications and certified payrolls, and conducting monthly status meetings.

### SUMMARY OF RELATED EXPERIENCE:

- Construct Inspection City's Staff Augment – City of Corpus Christi, Texas
- PCCA LaQuinta Terminal Cargo Yard – Port of Corpus Christi, Corpus Christi, Texas
- Ayers Street Pedestrian Improvements – City of Corpus Christi, Texas
- Greenwood WWTP Improvements to UV System – City of Corpus Christi, Texas
- Stormwater Quality Improvements – Bulk Terminal Phase 1 – Port of Corpus Christi, Corpus Christi, Texas
- IDIQ Major Ditch Improvements – City of Corpus Christi, Texas
- Taxiway E Widening – Laredo International Airport, Laredo, Texas
- Wastewater Effluent Reuse Feasibility Assessment—City of Corpus Christi, Texas
- Greenwood WWTP Flood Mitigation – City of Corpus Christi, Texas
- Bill Witt Park Irrigation Design – City of Corpus Christi, Texas
- XOM Project Yosemite – Drainage Study – Exxon Mobil, Gregory, Texas
- Waterline Pipeline Project-2015 – Dallas Water Utilities, Dallas, Texas
- Sand Dollar Pump Station Feasibility Assessment – City of Corpus Christi, Texas
- TxDOT Statewide Arc Flash Study – Texas Department of Transportation, Various Locations, Texas
- Runway Re-Designation – Laredo International Airport – Laredo, Texas
- 108" Northeast Transmission Waterline Conceptual Design – City of Houston, Texas
- Birch Creek Design – Texas Parks & Wildlife Department – Lake Somerville, Texas
- Whitecap WWTP Improvements – City of Corpus Christi, Texas
- Terminal A Sanitary Sewer Bypass Project – San Antonio Airport, San Antonio, Texas
- County Road 40 CADD – Nueces County, Texas
- Capital Improvement Plan Consulting – Nueces County, Texas
- IB Magee Multi-Purpose Center – Nueces County, Texas
- Taxiway G Extension – Laredo International Airport, Laredo, Texas



# CRUZ - HOGAN

ENGINEERS | PLANNERS

McAllen | Harlingen | Weslaco  
TBPE FIRM REGISTRATION No: F - 4860

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## **ENGINEERING TECHNICIANS**

Engineering Technicians prepare plans for construction of street, water, sanitary and drainage systems. They have obtained significant experience in boundary surveys, metes and bounds descriptions, and complete dedication requirements for subdivision map recording. They currently prepare all design work by use of the computer and have significant knowledge in the area of computer assisted design and drafting (CADD).

### **Arturo Martinez**

**EDUCATION:**

Texas State Technical College  
Associate's Degree – Drafting and Design Technology

**WORK HISTORY:**

September 2010 - Present  
Cruz-Hogan Consultants, Inc.  
Weslaco Office

### **Brenda Padron**

**EDUCATION:**

Texas State Technical Institute  
Associate's Degree – Drafting and Design Technology

**WORK HISTORY:**

January 2015 - Present  
Cruz-Hogan Consultants, Inc.  
McAllen Office

### **Maria Luz Hernandez**

**EDUCATION:**

South Texas College  
Associate's Degree – Architectural and Visual Technology

**WORK HISTORY:**

August 2019 - Present  
Cruz-Hogan Consultants, Inc.  
Weslaco Office

**Texas Board of Professional  
Engineers and Land Surveyors**  
**CERTIFICATE OF REGISTRATION**

This acknowledges that  
***CRUZ-HOGAN CONSULTANTS INC***

has fulfilled the requirements of the Texas Board of Professional Engineers  
and Land Surveyors to offer and perform engineering services in the state of Texas.

Registration Number  
**F-4860**

Expiration Date  
**6/30/2021**

**Texas Historically Underutilized Business (HUB) Certificate**



|                            |                      |
|----------------------------|----------------------|
| Certificate/VID Number:    | <b>1752441784100</b> |
| File/Vendor Number:        | <b>061088</b>        |
| Approval Date:             | <b>26-MAY-2017</b>   |
| Scheduled Expiration Date: | <b>26-MAY-2021</b>   |

The Texas Comptroller of Public Accounts (CPA), hereby certifies that

**CRUZ-HOGAN CONSULTANTS, INC.**

has successfully met the established requirements of the State of Texas Historically Underutilized Business (HUB) Program to be recognized as a HUB. This certificate printed 26-MAY-2017, supersedes any registration and certificate previously issued by the HUB Program. If there are any changes regarding the information (i.e., business structure, ownership, day-to-day management, operational control, business location) provided in the submission of the business' application for registration/certification as a HUB, you must immediately (within 30 days of such changes) notify the HUB Program in writing. The CPA reserves the right to conduct a compliance review at any time to confirm HUB eligibility. HUB certification may be suspended or revoked upon findings of ineligibility.

*Laura Cagle-Hinojosa, Statewide HUB Program Manager  
Statewide Support Services Division*

Note: In order for State agencies and institutions of higher education (universities) to be credited for utilizing this business as a HUB, they must award payment under the Certificate/VID Number identified above. Agencies, universities and prime contractors are encouraged to verify the company's HUB certification prior to issuing a notice of award by accessing the Internet (<https://mycpa.cpa.state.tx.us/tpasscmlsearch/index.jsp>) or by contacting the HUB Program at **512-463-5872** or toll-free in Texas at **1-888-863-5881**.



# ***Submission Requirements***





## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/8/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                               |                                                           |                             |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------|
| <b>PRODUCER</b><br><b>RISKPRO Insurance Agency, LLC</b><br><b>901 Waterfall Way, Suite 407</b><br><b>Richardson, TX 75080</b> | <b>CONTACT NAME:</b>                                      | <b>FAX (A/C, No):</b> ( ) - |
|                                                                                                                               | <b>PHONE (A/C, No, Ext):</b> ( ) -                        |                             |
|                                                                                                                               | <b>E-MAIL ADDRESS:</b>                                    |                             |
|                                                                                                                               | <b>INSURER(S) AFFORDING COVERAGE</b>                      | <b>NAIC #</b>               |
|                                                                                                                               | <b>INSURER A:</b> ACE Property&Casualty Insurance Company | <b>20699</b>                |
| <b>INSURED</b> <b>Cruz-Hogan Consultants, Inc.</b>                                                                            | <b>INSURER B:</b> Hartford Accident and Indemnity Company | <b>22357</b>                |
|                                                                                                                               | <b>INSURER C:</b>                                         |                             |
|                                                                                                                               | <b>INSURER D:</b>                                         |                             |
|                                                                                                                               | <b>INSURER E:</b>                                         |                             |
|                                                                                                                               | <b>INSURER F:</b>                                         |                             |

**605 East Violet**  
**Suite 5**  
**McAllen, TX 78504**

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                               | ADDL INSD | SUBR WVD | POLICY NUMBER                             | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-------------------------------------------|-------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          | <b>D52748896</b>                          | 6/4/2020                | 6/4/2021                | EACH OCCURRENCE \$ <b>1,000,000</b><br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ <b>1,000,000</b><br>MED EXP (Any one person) \$ <b>5,000</b><br>PERSONAL & ADV INJURY \$ <b>1,000,000</b><br>GENERAL AGGREGATE \$ <b>2,000,000</b><br>PRODUCTS - COMP/OP AGG \$ <b>2,000,000</b><br>\$ |
| <b>A</b> | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY<br><input type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY                                   |           |          | <b>D52748896</b><br><b>No Owned Autos</b> | 6/4/2020                | 6/4/2021                | COMBINED SINGLE LIMIT (Ea accident) \$ <b>1,000,000</b><br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                                                                                                     |
|          | <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR<br><b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE<br>DED <input type="checkbox"/> RETENTION \$                                                                                                                                                     |           |          |                                           |                         |                         | EACH OCCURRENCE \$<br>AGGREGATE \$<br>\$                                                                                                                                                                                                                                                   |
| <b>B</b> | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                    | N / A     |          | <b>46 WBC AB7729</b>                      | 7/30/2020               | 7/30/2021               | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$ <b>1,000,000</b><br>E.L. DISEASE - EA EMPLOYEE \$ <b>1,000,000</b><br>E.L. DISEASE - POLICY LIMIT \$ <b>1,000,000</b>                                                             |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage is subject to all policy terms, conditions, exclusions and endorsements.

## CERTIFICATE HOLDER

## CANCELLATION

|                                                                                          |                                                                                                                                                                       |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>City of Weslaco</b><br><b>255 South Kansas Avenue</b><br><b>Weslaco TX 78596-6285</b> | <b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b> |
|                                                                                          | <b>AUTHORIZED REPRESENTATIVE</b><br>                                             |



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/9/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                |                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCER</b><br>Hall & Company<br>19660 10th Ave NE<br>Poulsbo WA 98370                     | <b>CONTACT NAME:</b> Julia Ardon<br><b>PHONE (A/C, No, Ext):</b> 360-626-2956<br><b>E-MAIL ADDRESS:</b> jardon@hallandcompany.com<br><b>FAX (A/C, No):</b> 360-598-3703               |
| <b>INSURED</b><br>Cruz Hogan Consultants Inc<br>2290 W Pike Blvd., Ste 102<br>Weslaco TX 78596 | <b>INSURER(S) AFFORDING COVERAGE</b><br>INSURER A : NAVIGATORS INSURANCE COMPANY<br>INSURER B :<br>INSURER C :<br>INSURER D :<br>INSURER E :<br>INSURER F :<br><b>NAIC #</b><br>42307 |

**COVERAGES****CERTIFICATE NUMBER:** 406570696**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                         | ADDL INSD | SUBR WVD | POLICY NUMBER   | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                   |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-----------------|-------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br><input type="checkbox"/> OTHER: |           |          |                 |                         |                         | EACH OCCURRENCE \$<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$<br>MED EXP (Any one person) \$<br>PERSONAL & ADV INJURY \$<br>GENERAL AGGREGATE \$<br>PRODUCTS - COMP/OP AGG \$<br>\$ |
|          | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                         |           |          |                 |                         |                         | COMBINED SINGLE LIMIT (Ea accident) \$<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                    |
|          | <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR<br><b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE<br><br>DED <input type="checkbox"/> RETENTION \$                                                                                                                           |           |          |                 |                         |                         | EACH OCCURRENCE \$<br>AGGREGATE \$<br>\$                                                                                                                                                 |
|          | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y / N<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                           |           | N / A    |                 |                         |                         | PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/><br>E.L. EACH ACCIDENT \$<br>E.L. DISEASE - EA EMPLOYEE \$<br>E.L. DISEASE - POLICY LIMIT \$                         |
| A        | Professional Liab; Claims Made                                                                                                                                                                                                                                                            |           |          | CM20DPLZ02QNXIV | 9/9/2020                | 9/9/2021                | Per Claim Aggregate \$1,000,000<br>\$2,000,000                                                                                                                                           |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Additional Insured Status is not available on Professional Liability Policy.

**CERTIFICATE HOLDER****CANCELLATION**

City of Weslaco  
255 S. Kansas Ave.  
Weslaco TX 78596

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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**SAM Search Results**  
**List of records matching your search for :**

**Search Term : Cruz-Hogan Consultants, Inc.\***  
**Record Status: Active**

|                                   |                              |                             |
|-----------------------------------|------------------------------|-----------------------------|
| <b>ENTITY</b>                     | Cruz-Hogan Consultants, Inc. | Status: Active              |
| DUNS: 182056903                   | +4:                          | CAGE Code: 7JL30 DoDAAC:    |
| Expiration Date: 05/13/2021       | Has Active Exclusion?: No    | Debt Subject to Offset?: No |
| Address: 2290 W PIKE BLVD STE 102 |                              |                             |
| City: WESLACO                     | State/Province: TEXAS        |                             |
| ZIP Code: 78596-4923              | Country: UNITED STATES       |                             |

**SAM Search Results**  
**List of records matching your search for :**

**Functional Area: Performance Information**  
**Entity Name: Orlando Cruz**  
**Classification: Individual, Firm, Special Entity Designation, Vessel**  
**Record Status: Active**

**No Search Results**



**CONFLICT OF INTEREST QUESTIONNAIRE****FORM CIQ**

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1** Name of vendor who has a business relationship with local governmental entity.

Cruz-Hogan Consultants, Inc.

**2** ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)**3** Name of local government officer about whom the information is being disclosed.

N/A

Name of Officer

**4** Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

N/A

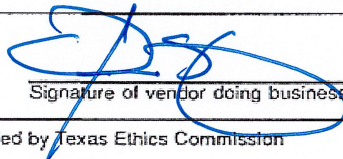
A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes☐ No**5** Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

N/A

**6** ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).**7**   
Signature of vendor doing business with the governmental entity9-9-20  
Date



### Certification Regarding Lobbying

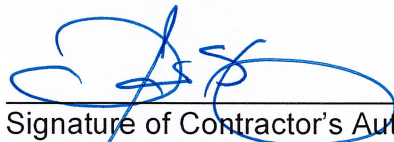
(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Cruz-Hogan Consultants, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



Signature of Contractor's Authorized Official

Orlando Cruz, P.E., President

Printed Name and Title of Contractor's Authorized Official

9-9-20

Date



# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
DATE & TIME:  
September 10, 2020 at  
3:00 PM**

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2010 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFOenlJcjZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

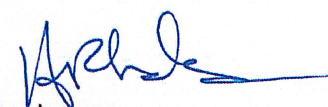
877 853 5247 US Toll-free

888 788 0099 US Toll-free

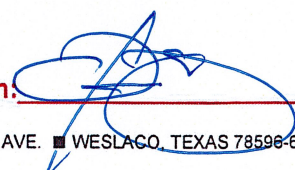
833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,   
hrhodes@weslacotx.gov

Purchasing Agent

**Acknowledged by Firm:** 

**date:** 9/2/20



# Statement of Qualifications

Engineering Architectural & Surveying Services  
for Community Development Block  
Grant Mitigation (CDBG-MIT)

RFP 2019-20-24



September 10, 2020

Submitted by:

**DANNENBAUM  
ENGINEERING**  
EXCELLENCE SINCE 1945

**75<sup>th</sup>**  
ANNIVERSARY



September 10, 2020

City of Weslaco  
Attn: Homer Rhodes – Purchasing Manager  
255 S. Kansas Avenue  
Weslaco, Texas 78596

**RE: Request for Qualifications for Engineering/Architectural/Surveying Services**  
(Community Development Block Grant Mitigation) RFQ # 2019-20-24

With 75 years of experience in Texas, **Dannenbaum Engineering Corporation (Dannenbaum)** is widely regarded among the State's premier firms to plan and design all types of infrastructure projects. We specialize in providing all kinds of civil work from roadway design to drainage improvement projects and related services. We have completed numerous similar projects for municipalities, counties, and other local and state agency clients. Dannenbaum's office in McAllen has over 25 years of civil engineering experience, successfully delivering civil improvement projects. Locally, we employ 20 municipal engineers, designers, and support staff. Statewide, we use over 230 professional, technical, and support staff to bring additional resources to these projects as needed.

Dannenbaum understands that the City of Weslaco is seeking to pursue funding opportunities for flood hazard mitigation. We agree with the City's approach in developing a comprehensive drainage plan to identify the scope and magnitude of the drainage issues throughout the City and the measures needed to resolve these issues. Particularly with the flood zones going through previously developed areas, carefully planning the improvements necessary and identifying their impacts to adjacent properties will be critical. If selected, our team will take great care to review these impacts and work with the City of Weslaco to come up with a plan that not only looks good on paper, but that also works from a practical standpoint.

For over 25 years, Dannenbaum has provided A-E and surveying services for projects in the South Texas region. We have helped communities across Texas plan, finance, design, and build infrastructure facilities of all types, including stormwater channels, detention basins, levees, and other flood control facilities. Many of these projects funds are from various state and federal sources, including the Texas General Land Office (GLO), Federal Emergency Management Agency (FEMA), and U.S. Department of Housing and Urban Development (HUD). Our team fully understands these public infrastructure flood mitigation projects' requirements and is ready to begin work with the City of Weslaco staff immediately.

Dannenbaum is registered with the Texas Board of Professional Engineers to practice in the State of Texas (TBPE #F-392) and has maintained a high standard and record of project delivery and quality. The previous Federal investigation is closed, and the company was not charged or indicted. Dannenbaum under a new CEO and executive committee is committed to its transparency and ethical practice and has set procedures in place.

The Dannenbaum Team values the opportunity to submit our statement of qualifications to the City of Weslaco. We are confident the team we have proposed is fully competent and experienced in the requirements outlined in the RFQ and welcome the opportunity to develop a relationship with the City.

Sincerely,

  
Johan C. Petterson, PE, CFM  
Principal-in-Charge

AG/MS/9144-67

Cover Letter  
Table of Contents

## COMPANY PROFILE

|                                  |   |
|----------------------------------|---|
| <b>Dannenbaum Qualifications</b> | 1 |
| <b>Unique Value Added</b>        | 2 |

## EXPERIENCE AND QUALIFICATIONS

|                                                               |    |
|---------------------------------------------------------------|----|
| <b>General Experience</b>                                     | 4  |
| <b>Key Personnel Experience</b>                               | 6  |
| Resumes                                                       | 8  |
| <b>Subconsultant Qualifications</b>                           | 12 |
| <b>Relevant Project Experience</b>                            | 14 |
| <b>Ability to Complete Projects on Time and Within Budget</b> | 18 |
| <b>Project Approach</b>                                       | 19 |
| <b>Quality of Services</b>                                    | 23 |
| <b>References</b>                                             | 24 |

## REQUIRED FORMS ATTACHED

Professional Liability and Insurance Certificate  
SAM Results  
Conflict of Interest Questionnaire  
Certification Regarding Lobbying  
Disclosure of Lobbying Activities  
Form 1295  
Addendum No. 1  
Vendor Notice Form

## COMPANY PROFILE

### DANNENBAUM QUALIFICATIONS

#### Dannenbaum Engineering Corporation (Dannenbaum)

is a Texas based consulting engineering firm providing professional engineering services to municipal, state, and federal agencies for 75 years, including over 50 years conducting hydrologic and hydraulic analyses, preparing master drainage final plans, and initial engineering design and construction oversight of storm sewers, conveyance channels and detention basins in Texas. We have maintained a continuous presence and provided infrastructure projects such as City street designs and existing water conveyance facilities in South Texas for more than 25 years and we are familiar with community issues and concerns as well as local guidelines from this experience.



WELL KNOWN, PROVEN  
TRACK RECORD IN THE  
INDUSTRY FOR BEING A  
TOP ENGINEERING FIRM  
FOR ALL TYPES OF  
DRAINAGE AND FLOOD  
RELATED PROJECTS

Dannenbaum has experience with federally and state funded public infrastructure projects including CDBG funding in addition to projects for TWDB, TCEQ, USACE, HCFCD, GLO, and FEMA. Work for FEMA includes emergency project management for Hidalgo County Drainage District and recent work at our corporate office for the GLO to perform hurricane disaster recovery work for the City of Houston, Pasadena and Harris and Galveston Counties.

Dannenbaum has extensive experience analyzing areas in the Rio Grande Valley (RGV) areas with known drainage problems to determine contributing factors causing flooding, quantifying the extent of flooding, and developing realistic, cost-effective solutions. We are well versed in standard local methodologies and

tools used in the region to model stormwater run-off, and our team is familiar with HCFCD-H&H methodology. Our projects routinely use the latest releases of HEC-HMS, steady and unsteady HEC-RAS (1D, 2D) for watershed-level modeling, and ICPR and SWMM for dynamic modeling of complex overland and storm sewer systems.

Our Team has extensive experience providing the following storm drainage services:

- Master drainage plan development
- Regional/onsite detention analysis/studies
- General re-evaluation reports
- Floodplain analysis/studies
- FEMA mapping
- FEMA CLOMR, LOMR, PMRs
- FEMA map generation using HEC-Geo-RAS
- Impact and mitigation analysis
- GIS integration
- Bridge hydraulic analysis
- Bridge scour analysis
- Construction plan development for:
  - Storm drainage systems
  - Detention basins
  - Channel improvements
  - Erosion control systems
  - Culverts and bridges

Dannenbaum is headquartered in Houston with regional offices in McAllen, San Antonio, Fort Worth, Dallas, and El Paso. We currently employ approximately 230 professional, technical, and support staff. We have assigned seven professional engineers in key roles for the City's projects, five of whom are H&H engineers with experience designing similar drainage improvement projects. Firm-wide, the Dannenbaum Group has an additional 121 engineers, 9 of whom are H&H engineers, who can be assigned, as needed, to staff the City's projects.

*Dannenbaum Personnel by Location and Discipline*

| DANNENBAUM LOCATIONS | TOTAL PERSONNEL EXPERIENCE | DISCIPLINE |             |             |           |             |                    |              |          |                |           |
|----------------------|----------------------------|------------|-------------|-------------|-----------|-------------|--------------------|--------------|----------|----------------|-----------|
|                      |                            | Admin      | CADD/ Techs | Civil Engrs | H&H Engrs | W/ WW Engrs | Estim/ Plan/ Sched | Struct Engrs | Survey   | Constr Inspect | Other     |
| Houston (HQ)         | 150                        | 25         | 23          | 58          | 9         | 3           | 6                  | 3            | 2        | 3              | 15        |
| Fort Worth           | 12                         | 1          | 1           | 4           | 2         | 5           |                    | 1            |          |                |           |
| Dallas               | 13                         | 1          | 3           | 5           | 1         |             |                    |              |          |                | 3         |
| Austin               | 10                         | 1          | 1           | 5           | 1         |             | 1                  | 1            |          |                |           |
| San Antonio          | 18                         | 2          | 4           | 9           | 1         | 1           | 1                  |              |          | 1              |           |
| McAllen              | 20                         | 3          | 6           | 7           | 1         | 2           | 2                  |              |          | 2              | 1         |
| El Paso              | 14                         | 3          | 1           | 8           |           | 1           | 1                  |              |          |                |           |
| <b>TOTALS</b>        | <b>241</b>                 | <b>36</b>  | <b>39</b>   | <b>96</b>   | <b>15</b> | <b>12</b>   | <b>11</b>          | <b>5</b>     | <b>2</b> | <b>6</b>       | <b>19</b> |

**UNIQUE VALUE ADD**

Dannenbaum is uniquely qualified to provide the City of Weslaco with the services required for the City's infrastructure roadway and drainage mitigation projects, as demonstrated below.

**Drainage Expertise**

Dannenbaum and our current staff bring a great deal of knowledge relevant to local conditions to the proposed projects. Our unique value add for the City of Weslaco is supported by the following:

- We are a leader in analyzing areas with known drainage problems to ascertain contributing factors causing flooding, quantifying the extent of flooding experienced, and developing realistic, cost-effective solutions
- Our project manager and project engineers are experts in all elements of drainage, local drainage, and watershed issues
- Project Manager Gustavo Lopez 's, P.E. experience is deeply rooted in roadway design in the RGV. Having designed and managed roadway projects throughout his career, he is skilled at integrating drainage solutions with other infrastructure considerations such as water, sewer systems, drainage channels, highways, City streets, County roadways, and more.
- QA/QC Manager Carlos Peralez, PE, has performed numerous roadway and drainage studies, including detailed H&H analyses, and design for flood mitigation projects throughout Texas.
- Team members have strong, established working relationships in the RGV and City of Weslaco
- Dannenbaum provides high quality deliverables on time, which has become a culture which is embedded in the day-to-day operations of each department

**Network of Offices**

Our network of virtually linked offices Statewide allows us the ability to quickly leverage all our firm's resources on the City's project if needed. As an example, we have assimilated MicroStation, AutoCAD, Bluebeam, and Bentley's ProjectWise into our workflow to improve project performance by integrating people, data, and processes throughout the project lifecycle. It allows us to share virtually, project information with secure information mobility. Using PCs, tablets, or mobile devices, project participants can collaborate effectively to keep the project moving forward. It also gives our clients and other project stakeholders visibility into project performance to mitigate risk.

**Value Engineering**

Our Team is well acquainted with the use of value engineering on every project to analyze the functions and system components so that the required functions are achieved at the lowest possible life-cycle cost. Value engineering is not simply an attempt to reduce costs. Rather, it improves project function, value,



conserves resources (material, manpower, and energy), provides multi-disciplinary brainstorming eliminating non-essential elements of design, and reduces operational and maintenance costs.

### **Development of Accurate Cost Estimates and Schedules**

Dannenbaum employs cost controls on all our design projects. Based upon years of experience, we have developed systems to monitor cost through the engineering process in order to provide our clients with successful projects. Our goal is to provide the “biggest bang for your buck.”

The Dannenbaum Team’s management system, involving project management, cost analysis, and project budgeting experience, has proven effective on both small and large projects. Our experience in managing projects and our ability to communicate effectively has enabled us to successfully establish, maintain, and continuously foster strong client relationships. We have demonstrated our ability to effectively manage projects by finding potential funding resources to deliver in the most efficient manner, while also realizing cost savings on numerous projects.

Our team’s program and project controls efforts will manage the overall team effort through the development of internal work plans and production schedules. Project controls will be seamlessly integrated using state-of-the-art technology systems and best practice processes as demonstrated in our specialized experience.

### **Key control elements of our performance plan include:**

**Performance Management:** performance will be monitored by an earned value management system, analyzing performance by hours of effort rather than cost in order to ensure planned delivery success.

**Performance Reporting:** progress will be monitored daily with formal reporting during weekly reviews. This will be accomplished with various online and proprietary management tools employed by the team.



### **Communication and Continuity Tools**

**Risk Management:** Our key personnel, will collaborate with City Engineer and City representatives to identify, prioritize, and manage the effects of unknown events that may occur. Risks will be managed daily and reviewed regularly during weekly internal Team meetings.

**Planning:** each project task will be planned in a manner to promote quick delivery, quality review, and effective control and precision.

**Schedule Control:** our team will manage work efforts at the task level. The project manager will continuously evaluate and adjust workloads to avoid schedule variances.

**Change Control:** our project manager will evaluate benefits and consequences of promised changes/resource management. We will proactively manage the project utilizing our resources to make informed decisions, as guided by our documented management procedures and processes.

**Quality Management:** through prior experience, our team has developed an integrated QA/QC program utilizing latest software (ProjectWise and Bluebeam) founded upon industry best practices.

**Communication and Continuity during COVID-19:** to ensure our client and staff safety and continuity of business, Dannenbaum uses Microsoft Teams and WebEx for phone and video conference calls and instant messaging. ProjectWise allows our Team to “workshare” and manage information during design, bid, and construction phases. Our Microsoft OneDrive site shares large files across the web without limiting file sharing due to size constraints. Dannenbaum uses Microsoft Outlook for email correspondence and Microsoft Project to schedule reports and for staff resource tracking and availability.

## EXPERIENCE AND QUALIFICATIONS

### GENERAL EXPERIENCE

Dannenbaum has been providing similar services for local government clients and communities throughout Texas for 75 years. Our services include a full spectrum of civil engineering preliminary planning and final design, H&H, project management, program management, and construction phase services. We offer premier planning and design engineering for all types of infrastructure, including expertise in hydrology and hydraulics and drainage design for storm sewer, channels, and detention facilities. Our personnel have extensive experience working in the Rio Grande Valley area. Having worked extensively with nearby clients such as Cameron County and the Cities of Hidalgo County, McAllen, Edinburg, Mission, Brownsville, Harlingen/San Benito, Pharr, La Joya as well as cities in Webb County and the TxDOT Pharr District, we have a good understanding of the challenges that face municipalities within the area.

While our staff has not completed recent work within the City of Weslaco, our team understands the City's motivations, expectations, challenges, and preferences.

Clients Dannenbaum has provided services for include:

- |                                                                               |                                                 |                                                          |
|-------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------|
| ▶ Hidalgo County                                                              | ▶ North Texas Tollway Authority                 | ▶ US Department of the Army                              |
| ▶ Cameron County                                                              | ▶ Texas General Land Office                     | ▶ US Department of Agriculture Soil Conservation Service |
| ▶ Webb County                                                                 | ▶ Texas Department of Criminal Justice          | ▶ US Department of Homeland Security                     |
| ▶ City of McAllen                                                             | ▶ Texas Department of Rural Affairs             | ▶ US International Boundary & Water Commission           |
| ▶ City of Edinburg                                                            | ▶ Texas National Guard Armory Board             | ▶ Federal Highway Administration                         |
| ▶ City of Pharr                                                               | ▶ Texas Turnpike Authority                      | ▶ US General Services Administration                     |
| ▶ City of Mercedes                                                            | ▶ Texas Water Commission                        |                                                          |
| ▶ City of La Joya                                                             | ▶ Texas Water Development Board                 |                                                          |
| ▶ City of Brownsville                                                         | ▶ US Army Corps of Engineers, various Districts |                                                          |
| ▶ City of Laredo                                                              |                                                 |                                                          |
| ▶ Collin County                                                               |                                                 |                                                          |
| ▶ Town of Addison                                                             |                                                 |                                                          |
| ▶ TxDOT Pharr, Fort Worth, Dallas, Abilene, Waco, and Wichita Falls Districts |                                                 |                                                          |

### Experience with Public Works Construction, Disaster Recovery, Mitigation, and Federally Funded Projects

Dannenbaum has prepared applications and obtained funding through the Restore Act Grant administered through the TCEQ. Also, several Texas Community Development Program (TCDP) grants administered through the GLO; utility improvement grants funded through Harris County grants; many research, planning, and design grants funded by the TWDB; several grants funded through the TWDB Economically Distressed Areas Program (EDAP) Fund, grants funded by the FEMA Hazard Mitigation Grant Program (HMGP) as well as the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant Disaster Recovery (CDBG-DR) Fund; and a grant-funded through the US EPA. These agencies have assisted transportation agencies, municipalities, and other agencies in obtaining funding for much needed transportation and infrastructure improvements.

**Dannenbaum is currently working on a GLO CDBG project with the City of Baytown in preparing the necessary documentation for approve funding on their Drainage Improvements.** In the past, Dannenbaum has also worked on **federally funded construction projects for IBWC on the Rio Grande River Levee Improvement Project.** Dannenbaum has also obtained over **\$1B in funding** in the last ten years from TWDB programs and subsequently provided surveying, planning, design, and construction

management services for over 50 projects. All the projects are associated with either water resources, regional flood control, highway design, or solid waste design.

Below are some of the projects completed by Dannenbaum Engineering Corporation within the last few years involving FEMA, CDBG, or other grant funding:

| Project                                                                                       | Summary of Scope                                                                                                                                                                   | Completion         | Budget           | FEMA | Other Funding |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|------|---------------|
| Matson Street Sewer Replacement: Tarrant County                                               | Sewer Replacement                                                                                                                                                                  | Ongoing            | \$260K           | -    | CDBG          |
| Hubbard Drive Trail: City of Heath                                                            | Safe Routes to School                                                                                                                                                              | Ongoing            | \$400K           | -    | TA Set Aside  |
| TxGLO Flood Studies in Combined River Basins                                                  | Flood studies of the Trinity-Sabine-Neches region for the purpose of risk reduction to increase community disaster resilience and reduce the impact of flood events.               | 2024 (est)         | \$5-6M (est)     | -    | TxGLO CDBG-DR |
| WHCRWA Program (445 sq. miles): Harris County                                                 | Transporting 150 MGD of surface water from Lake Houston to 230 MUDs                                                                                                                | 2035 (est)         | \$993M (3 loans) | -    | TWDB          |
| M-1 Channel along Durant Pond Improvements/Kost Detention Pond: Alvin (Harris County)         | H&H analysis of the M-1 ditch to identify areas of problematic flooding resulted in these improvements                                                                             | 2018 / Spring 2020 | \$500K           | -    | TWDB          |
| Clear Creek Regional Master Drainage Plan (Phases I & II): Harris County                      | PH 1: Development of storm water management plan of Clear Creek Watershed<br>PH 2: Unification and update of management plan to incorporate into Master Drainage Plan              | Ongoing            | \$1.5M (est)     | -    | TWDB and HCFC |
| Willow Creek Master Plan: Harris County                                                       | Study to identify a plan and projects to reduce riverine flood risk                                                                                                                | Ongoing            | \$800K           | -    | CDBG-DR       |
| Regional Master Drainage Plan for Chiggers, Mary's, and Cowarts Creek Watersheds: Friendswood | Flood control for Chiggers, Mary's, and Cowarts Creek                                                                                                                              | 2007               | \$140K           | ✓    | TWDB          |
| City of Pasadena Drainage Mitigation under Hazard Mitigation Bond Program: Pasadena           | Design included comprehensive drainage evaluations, pavement assessment, mitigation design, and construction phase services for rehabilitation/reconstruction of five city streets | 2019               | \$374K           | ✓    |               |

#### **Community Development Block Grant (CDBG) Administration Support Experience**

Project Manager Gustavo Lopez, PE, has a long history of implementing CDBG funds from his time as the city consulting engineer and Advance Funding Agreement (AFA) manager for the TxDOT Pharr District for over ten years. During his tenure with TxDOT at the Pharr District, Mr. Lopez prepared funding agreements for multiple engineering plans with various Local Governments. For the development of various infrastructure projects for the City of Mission, similar funding resources were utilized for the Military Parkway roadway project and Inspiration Road. Also, Mr. Lopez worked closely with the City of Harlingen and the City of San Benito to resolve funding sources and developed various infrastructure projects that included large outfall channels and bridges such as Dixieland Rd. that included a 400-ft bridge crossing at Arroyo Colorado and the San Jose Ranch Road project with a large outfall channel and a 450-ft bridge

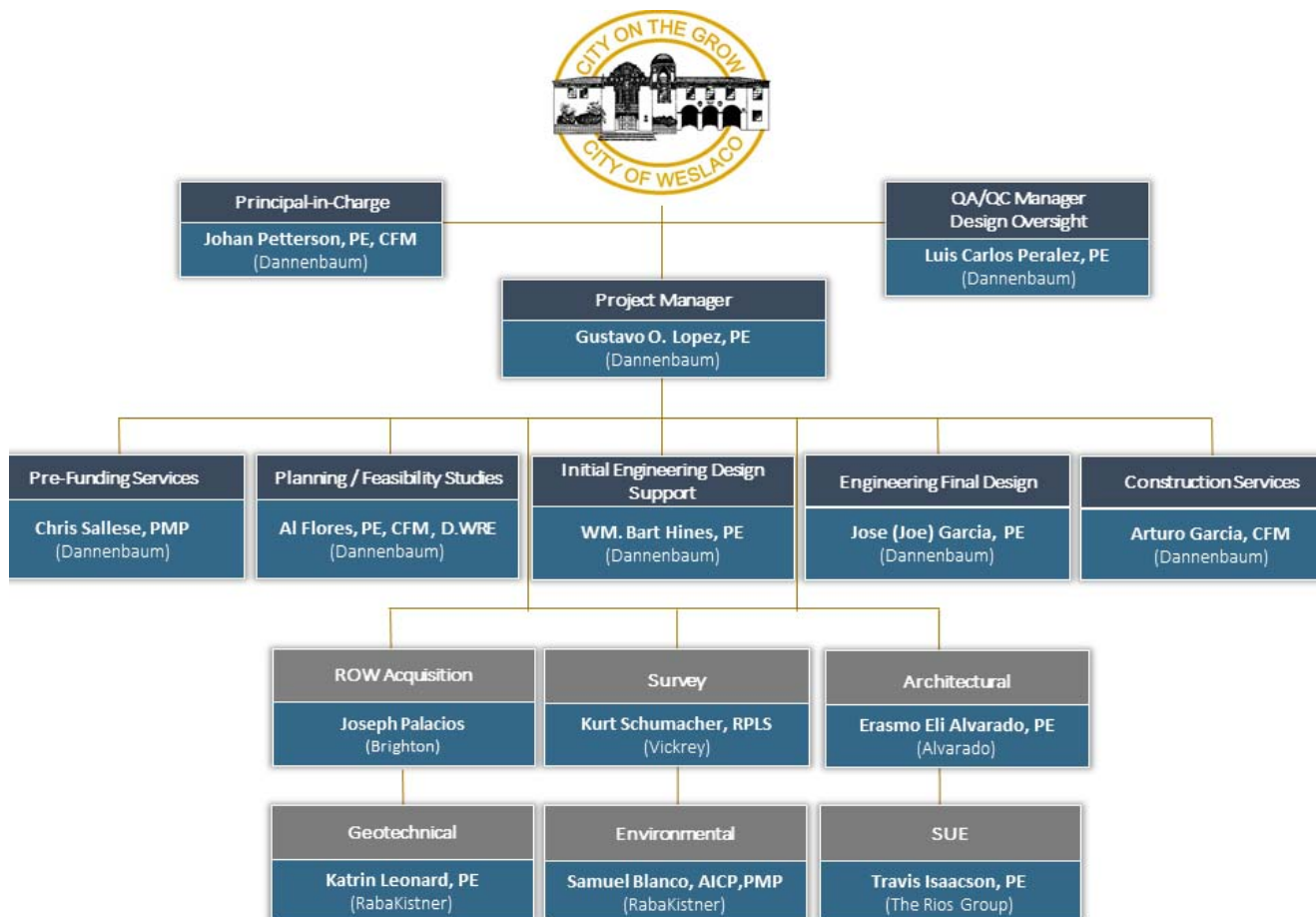
crossing the Resaca lake. Harris County selected Dannenbaum to manage their Hurricane “Ike” CDBG work contracted/funded by the Texas GLO. Dannenbaum’s recent grant-funded projects were in Galveston County, which received a \$35M grant from the Texas GLO to repair Hurricane Ike damage. Dannenbaum is the engineer-of-record for the 14 projects that resulted from the grant. Dannenbaum managed all engineering services, which included a variety of disciplines such as channel improvements, street rehabilitation, water, and sanitary line rehabilitation, generator installations, and a MUD motor control center. Dannenbaum worked closely with the grant administrator to manage the funds that were part of the grant and provided documentation to the grant administrator so that the GLO could verify compliance for the engineering work performed. As such, we are familiar with working with the GLO and its funding process.

## KEY PERSONNEL EXPERIENCE

### *Organizational Chart*

Dannenbaum’s proposed team members are shown in the organization chart displaying the structure, project leadership, and reporting responsibilities proposed for this project. This structure provides a clear framework by which Dannenbaum can function as an extension of the City’s staff.

Our team has simple, clearly defined project responsibilities, organized around Project Manager Gustavo Lopez, who is backed by Principal-in-Charge Johan Petterson, who supports the team with resourcing and will be an advocate for the City of Weslaco to provide high quality service to meet the City’s needs. Mr. Lopez and Mr. Petterson will also provide senior leadership in coordination of project activities. Each supporting functional element of the team will be led by a professional with extensive expertise and experience in their respective area who report directly to Mr. Lopez.





## Key Personnel Qualifications

### Leadership



**Project Manager Gustavo Lopez, PE**, brings his expertise in transportation and drainage systems. Prior to joining Dannenbaum in 2013, he retired from TxDOT where he worked in all areas of transportation engineering from the Survey Field Party to District Design Engineer. Mr. Lopez has well-recognized technical and managerial experience in the area of engineering design for roadways, schematics, drainage design, signing and striping, traffic control plans, safety design and construction management/inspection.



**Principal-in-Charge Johan Petterson, PE, CFM** has 11 years of experience as an engineer, manager, and team leader. He is responsible for the successful performance of the North Texas Division, overall quality and client satisfaction, and the coordination, supervision, and oversight of projects. He has served as principal on numerous projects of similar scope and magnitude.



**QA/QC Manager Luis Carlos Peralez, PE** brings his expertise in construction and roadway designs of rural and, urban and expressway projects. Mr. Peralez has over 30 years of experience working with projects in the Rio Grande Valley. Formerly a TxDOT Pharr Engineer, he served capacities in both Area and District office level.

The chart below presents a brief overview of our staff's qualifications for the City's projects. *Please also refer to key personnel resumes for more detailed information on staff qualifications and experience.*

| Name                      | Role                               | Experience                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gustavo O. Lopez, PE      | Project Manager                    | <ul style="list-style-type: none"> <li>→ 40+ years in a wide variety of projects from transportation to drainage analysis projects</li> <li>→ TxDOT Pharr District retiree with over 26 years' experience (last 20 years in the RGV)</li> <li>→ Technical and Managerial experience in diverse infrastructure projects</li> </ul>                                                                     |
| Johan Petterson, PE, CFM  | Principal-in-Charge                | <ul style="list-style-type: none"> <li>→ Authority to quickly assign resources in South Texas</li> <li>→ 11 years of experience in civil engineering as an engineer, manager, and team leader</li> <li>→ Responsible for performance &amp; oversight on all Dannenbaum projects</li> </ul>                                                                                                            |
| Luis Carlos Peralez, PE   | QA/QC Manager and Design Oversight | <ul style="list-style-type: none"> <li>→ Authority to quickly assign resources in South Texas</li> <li>→ 30+ years of experience in civil engineering as an engineer, manager, and team leader</li> <li>→ Responsible for performance &amp; oversight on Dannenbaum McAllen projects</li> </ul>                                                                                                       |
| Chris Sallese, PMP        | Funding Services                   | <ul style="list-style-type: none"> <li>→ 30 years of program and project managements experience</li> <li>→ Knowledge in the development of feasibility cost sharing agreements and project partnership agreements</li> </ul>                                                                                                                                                                          |
| Al Flores, PE, CFM, D.WRE | Planning/Feasibility Studies       | <ul style="list-style-type: none"> <li>→ 46+ years in H&amp;H project management, planning, design, and construction services</li> <li>→ Respected throughout Texas for substantial experience in flood control, storm water management, &amp; NPDES programs</li> </ul>                                                                                                                              |
| Bart Hines, PE            | Initial Engineering Design Support | <ul style="list-style-type: none"> <li>→ 42+ years in planning and design of water, wastewater and municipal public works</li> <li>→ Over 10 years delivering consulting engineering services throughout Texas</li> <li>→ 8 years of Utility Manager for McAllen Public Utilities</li> <li>→ Involved on several Disaster Recovery events and assessments in 14 years municipal experience</li> </ul> |
| Jose (Joe) Garcia, PE     | Engineering Final Design           | <ul style="list-style-type: none"> <li>→ Over 22 years of experience in transportation engineering, drainage, and public works</li> <li>→ Local knowledge and experience</li> </ul>                                                                                                                                                                                                                   |
| Arturo Garcia, CFM        | Construction Services              | <ul style="list-style-type: none"> <li>→ Over 10 years of experience in civil engineering design and construction in the RGV</li> <li>→ Former City of Mercedes Public Works Director</li> <li>→ Worked in the construction of the IBWC levee for 3 years</li> <li>→ Managed daily activities of over 50 City personnel</li> </ul>                                                                    |

## Key Personnel Resumes

### GUSTAVO O. LOPEZ, PE

#### Project Manager

**MSCE-** Transportation, Texas A&M University • **BS**, Civil Engineering, Texas A&M University  
PE, Professional Engineer, State of TX #56267

Mr. Lopez has over 40 years of experience in the area of Transportation Engineering. Retired from TxDOT with 27-yr experience in design & construction of highways. In addition, Mr. Lopez has worked for the private industry for over 15-yr as Dannenbaum's Project Manager and QA/QC officer for City, County, Drainage Districts and TxDOT infrastructure projects statewide. Mr. Lopez is currently working with DEC as Director of South Texas Transportation. During his tenure with TxDOT, Mr. Lopez worked in all areas of Transportation Engineering; from the survey field party to District Design Engineer. Mr. Lopez has well recognized technical and managerial experience in all aspects of engineering design, including Advance Project Development, PS&E, project letting, construction management, and Quality Control/Quality Assurance. Mr. Lopez's hands-on approach and technical expertise to project development will ensure that all safety aspects and design criteria are thoroughly considered with a proper emphasis in strict adherence to road constructability, drainage improvements, and design in accordance to State and Federal guidelines.

#### Relevant experience includes:

- Texas Blvd. in City of Weslaco, from Mile 10 Rd. to Mile 16 Road (Hidalgo County)
- Bill Summers Blvd. (FM 1015) in City of Weslaco, from BUS 83 to Military Hwy. (Hidalgo Co.)
- Military Parkway in City of Mission, from Conway Ave. to Inspiration Road (Hidalgo County)
- Shary Road in City of Mission, from Sunset Lane to Colorado Road (Cameron County)
- Inspiration Road in City of Mission, from US 83 to Mile 3 Road (Hidalgo County)
- Dixieland Street in City of Harlingen, from Garret Rd. to FM 1479 (Cameron County)
- Stuart Place Rd. in City of Harlingen, from US 83 to BUS 83 (Cameron County)
- San Jose Ranch Road in San Benito, from Oscar Williams Rd. to SH 345 (Cameron County)
- Wilton Corners in City of Socorro, from Alameda Rd. to Varela Road (El Paso County)
- Frontera Road in City of Del Rio, from FM 106 to SH 336 (Val Verde County)
- Brownsville Navigation District Internal Roads (Cameron County)

### JOHAN C. PETTERSON, PE, CFM

#### Principal-in-Charge

**BS**, Civil Engineering, Tecnologico de Monterrey • PE, Professional Engineer, State of TX #115956  
CFM, Certified Floodplain Manager, State of TX #2074-11N

Mr. Petterson has 11 years of experience with Dannenbaum as an engineer, manager, and team leader. He is responsible for the successful performance of the North Texas Division, client satisfaction, and the coordination, supervision, and oversight of projects. He has served as Principal-in-Charge on numerous projects. His specific civil engineering expertise includes drainage impact analysis (DIS), GIS mapping of infrastructure, roadway and bridge drainage design, and modeling and design of detention facilities, conveyance channels, ditches, culverts, inlets, and storm sewer systems.

**Relevant experience includes:** Integrated Storm Water Management Model ISWMM, Sugar Land, Texas • Harris County Countywide Master Plan - Structural Inventory, Harris County • Dos Laredos Low Water Weir Prefeasibility Study: Laredo, Texas

### LUIS CARLOS PERALEZ, PE

#### QA/QC Manager – Design Oversight

**BS**, Civil Engineering, Texas A&M University at College Station  
PE, Professional Engineer, State of TX #73564

Mr. Peralez began his engineering career with the Texas Department of Transportation (TxDOT) and has over 30 years of experience in the design, review, management, maintenance, and construction of

highway, street and bridge projects involving freeway, urban and rural systems. During his 28 years at TxDOT, he served in many positions within the Pharr District, including Assistant District Design Engineer, Materials and Pavements Engineer and District Construction Engineer. Mr. Peralez spent the last 3 years at L&G Engineering in Mission Texas as Project Manager where he worked extensively on Local Government (LG) projects in the schematic and design phases.

**Relevant experience includes:** Mile 6 Project in Hidalgo County (From Mile 9 to Mile 11) • FM 1015 Project in Hidalgo County (From Mile 12 to SH 107) • FM 3461 NOLANA LOOP in Pharr, Texas • FM 2061 Jackson Avenue in Pharr, Texas

#### ***COL (RET.) CHRIS SALLESE, PMP***

##### **Pre-Funding Services**

**MS**, National Resource Strategy, National Defense University, Industrial College of the Armed Forces  
**MS**, Management, Troy University • **BS**, Ceramic Science and Engineering, Pennsylvania State University  
PMP, Project Management Professional, State of Tx #273876

Mr. Sallesse has over 30 years of program and project management experience associated with planning, designing, permitting, constructing, operating and maintaining facilities and intermodal transportation infrastructure. He served as the District Engineer and Deputy District Engineer for the U.S. Army Corps of Engineers (USACE) Galveston District for over five years where he developed, managed, and executed a flood risk management and navigation program in excess of \$170 million per year for the planning, design and construction, and operations and maintenance of water resource projects in coastal Texas. COL(R) Sallesse is capable of managing multiple marine and flood risk management design teams simultaneously.

**Relevant experience includes:** TxDOT Maritime Division Indefinite Delivery Indefinite Quantity (IDIQ), Texas Ports Strategic Mission Plan, Austin, Texas • Kingsville Border Patrol Station Construction, Kingsville, Texas • Texas Coastal System Strategic Communications Plan, Texas, USACE Galveston District Engineer

#### ***AL C. FLORES, PE, D.WRE, CFM***

##### **Planning/Feasibility Studies**

**MS**, Civil Engineering, Rice University • **BS**, Civil Engineering, Sao Paulo University, Brazil  
PE, Professional Engineer, State of TX #56939 • CFM, Certified Floodplain Manager, State of TX #0423-02N • D.WRE, Diplomate, Water Resources Engineers, #00538

Mr. Flores has 45 years of experience in civil engineering design with substantial practical experience and individual research related to flood control, storm water management, and National Pollutant Discharge Elimination System (NPDES) Programs. He is a certified floodplain manager well known throughout Texas for his expertise in this area. Mr. Flores was named a diplomate, Water Resources Engineers, which is a subsidiary of the American Society of Civil Engineers.

**Relevant experience includes:** HCDD No. 1/USIBWC Rio Grande River Border Wall and Levee Improvements • Grand Parkway (SH 99) D-B Project • Rio Grande River Flood Mapping • Gulf Coast Community Protection and Recovery District (GCCPRD) Six County Storm Surge Suppression Study • Port of Brownsville International Road and Bridge • US 83 Expansion through McAllen • Webb County International Bridge No. 5 over the Rio Grande River

#### ***WM. BART HINES, PE***

##### **Initial Engineering Design Support**

**BS**, Civil Engineering, Texas A&M University • **MBA**, Business Administration, St. Edwards University  
PE, Professional Engineer, State of TX #49126

Mr. Hines has 42 years of experience in the planning and design of water, wastewater and municipal public works water and reuse facilities. For more than 14 years, he worked for three cities (McAllen 1993-2011) in municipal public works and utilities management, spent 11 years in state government in the fields of water and wastewater regulatory services, and over 7 years in a quasi-state government river authority (TRA) managing large plant and pipeline capital projects. He has also spent over 10 years delivering

consulting engineering services. Mr. Hines brings a wide range and wealth of experience to his role of leadership and senior project manager. His impressive background has equipped him with valuable knowledge and understanding for how cities and water authorities work together to serve the needs of their communities.

**Relevant experience includes:** Disaster Recovery Experience – Kerrville Guadalupe river Flood event (2 times), Norman Olc, tornado event (3 times), McAllen Flood event (2 times) • Ware Road and Trenton Road Water Transmission Main Improvements, McAllen, Texas • Valve Replacement Program, McAllen, Texas • South Water Treatment Plant Pipeline Repair and Valve Replacement, McAllen, Texas

#### **JOSE (JOE) GARCIA, PE**

##### **Engineering Final Design**

**BS**, Civil Engineering, University of Texas at San Antonio • PE, Professional Engineer, State of TX #93705  
Mr. Garcia has over 22 years of experience in a wide range of transportation engineering, drainage, and public work projects. He has a solid technical background in roadway engineering, hydraulics, traffic control devices, water and sanitary systems, utility conflicts and resolutions, and other engineering elements. With 10 years of TxDOT experience in project management, he is familiar with TxDOT design requirements, standards, and preferences.

**Relevant experience includes:** Anzalduas International Crossing, McAllen, TX • City of Wylie, Ballard Avenue Roadway Widening, Wylie, TX • TxDOT, Woodall Rodgers Extension, Dallas, TX • TxDOT Pharr District, US 77/83 Reconstruction, Brownsville, TX

#### **ARTURO GARCIA, CFM**

##### **Construction Services**

**BS**, Civil Engineering, Texas A&M University • CFM, Certified Floodplain Manager, State of TX #3334-17N  
Mr. Garcia has 10 years of experience in civil engineering design and construction with individual research related to flood control and storm water management. Mr. Garcia which was a former City of Mercedes Public Works Director help analyze some storm water management. Mr. Garcia is a certified floodplain manager which he helped with flood control and storm water solutions for FEMA Safe Dome at City of Mercedes. Mr. Garcia worked on the Tropical Moisture; Hurricane Patricia's remains for the City of Mercedes to help improved the Master Drainage Plan. In South Texas, Mr. Garcia assisted in directing the construction of the IBWC levee project from Hidalgo-Reynosa Bridge to Retamal Dam Donna, TX. During the construction of the levee and working with IBWC to help resolve flood control in the flooding of Tropical Storm Dolly.

**Relevant experience includes:** •City of Mercedes projects, converting of 2-lane city street with open ditches to 2-lane city street with 24-inch storm sewer system, new 18-inch diameter water line •Mile 2 West •Closner Subdivision Streets •Liberty Drive •IBWC Rio Grande River Border Wall and Levee Improvements •Dixieland Road Improvement •State Loop 1604 (US 90 – I35) Bexar, County

#### **KATRIN LEONARD, PE (RABAKISTNER)**

##### **Geotechnical**

**BS**, Civil Engineering, Carleton University, Ontario • PE, Professional Engineer, State of TX #95810  
Ms. Leonard is recognized for her commitment to meeting client objectives for prompt and practical facilities engineering solutions. As an Associate with Raba Kistner's Rio Grande offices, she has assumed progressive responsibility in management, administration, and coordination of geotechnical and facilities services throughout South Texas, the Texas/ México border, and Northern México. On a day-to-day basis, Ms. Leonard provides project management in several areas of facilities engineering. Her project assignments address subsurface reconnaissance studies, soil investigations, residential observation, and foundation and pavement design recommendations.

**Relevant experience includes:** City of Weslaco Pleasant View, Weslaco, Texas • Lift Station No. 37 Rehabilitation, Weslaco, Texas • Aquatic Center, Pharr, Texas



**SAMUEL BLANCO JR., AICP, PMP (RABAKISTNER)****Environmental**

**MS**, Environmental Science, Texas A&M University • **BS**, Biology, Texas A&M University  
 American Institute Certified Planner (AICP) • Project Management Professional

Mr. Blanco's approach to professional environmental consulting stems from his desire to provide clients with environmentally friendly solutions. As Director of Environmental Planning and Permitting, Mr. Blanco is responsible for managing NEPA and natural resources planning and permitting projects including environmental assessments, categorical exclusions, technical studies (e.g. waters of the U.S. evaluations and associated permitting, biological habitat evaluations, and others) for local, state, and federally-funded actions.

**Relevant experience includes:** Bulverde Road IV, San Antonio, Bexar County, Texas • Balcones Heights Drainage Management, San Antonio, Texas • Huebner Creek Realignment, San Antonio, Texas

**ERASMO ELI ALVARADO (ALVARADO)****Architectural**

**BS**, Environmental Design, Texas A&M University • A.R.E. Candidate

Mr. Alvarado has more than 18 years of experience in providing architectural planning, design development and construction administration services. He is responsible for planning, managing, and coordinating all phases of project development. He has joined his father's firm to their continued success. Eli is vastly familiar with the local codes and ordinances. He will be the local day-to-day contact and will ensure all projects are running on schedule, and he will serve the needs and objects of the Client.

**Relevant experience includes:** North Side Fire Station, Weslaco, Texas • Weslaco Independent School District

**KURT SCHUMACHER, RPLS (VICKREY)****Surveying**

**BS**, Applied Arts and Science University of The Incarnate Word • RPLS, Registered Professional Land Surveyor, State of TX #6333

Kurt will serve as the Surveyor and will be the direct contact for communication and correspondence with Dannenbaum and the designated task leads. Kurt has over 19 years of land surveying experience with more than seven years' experience performing land surveying providing boundary, topographic surveys for engineering design, construction surveying, ROW mapping, Horizontal/Vertical Control Networks, as-built surveys, and surveying support for Schematic and PS&E design phases for multiple County of Hidalgo Capital Improvement projects and surroundings.

**Relevant experience includes:** Hidalgo County, Mission Inlet Pilot Channel Floodway/Hydrology Study, Mission, McAllen, Pharr, Texas • Hidalgo County, Courthouse Outfall, Edinburg, Texas • Hidalgo County, La Joya Watershed Tress Detention – US 83 and Tress Tract, Penitas,

**TRAVIS S. ISAACSON, PE (THE RIOS GROUP)****Subsurface Utility Engineering (SUE)**

**BS**, Civil Engineering, Texas A&M University • **PE**, Professional Engineer, State of TX #100094

Mr. Isaacson is responsible for managing The Rios Group's professional services throughout Central Texas. He has 17 years experience in the civil engineering and construction fields working as a utility coordinator, utility engineer and project manager. Travis has served as the Project Manager/Engineer on numerous Subsurface Utility Engineering projects for both public and private clients.

**Relevant experience includes:** 2018 Pavement Rehab Program, City of Pflugerville, Pflugerville, Texas • Wimberley Intersection Improvements, Wimberley, Texas • Roadrunner Way Sidewalks, City of San Antonio, Texas • Wurzbach Parkway, San Antonio, Texas

**JOSEPH PALACIOS (BRIGHTON)****ROW Acquisition**

**BS**, Biology and Chemistry, University of Texas-Pan American • Minor in Business Administration

After serving in the United States military, Joseph Palacios utilized the GI Bill to successfully pursue his higher education. He began his professional career as a grant writer, project manager and department head for the City of Mission that produced many marque projects that helped progress its community. He founded Brighton Group in 2006 and continued to provide professional services in project management as a consultant in the public sector, commercial and industrial industry. He has 20 years direct experience in grant writing, program/project management, construction management and inspection, and compliance to local, state and federal guidelines in the industry. Mr. Palacios is the managing principal of Brighton Group, LLC and directly supervises all interior scopes that the company performs for their clients. ***Relevant experience includes: San Benito ISD Bond Project San Benito, Texas • Santa Maria ISD Bond Projects Santa Maria, Texas • City of Mission – Bryan Indoor Recreation Center, City Hall, Police Department • City of Edinburg – Police Department, City Hall, Memorial Library***

## SUBCONSULTANT QUALIFICATIONS

Dannenbaum takes into consideration and reviews four categories before working with subconsultants: experience, reputation, business organization, and project execution procedures. When reviewing a subconsultants experience, we consider the company's resume and resumes of individuals who will be assigned to the project. Dannenbaum ensures that the project managers company executives have projects which demonstrate competency and successful project completion. References, previous history with Dannenbaum, and views from within the engineering community are considered when looking at the reputation of a company. It is also important to us that the subconsultant is a team player.

Although experience and reputation are of the highest importance, Dannenbaum ensures that a subconsultant has an adequate business organization to work with our clients. This review includes looking at the company's insurance policy, licenses, certificates, and company policies and confirming that the business meets or exceeds the requirements expected by our clients. Lastly, we review the project execution procedures of the subconsultant. Dannenbaum ensures that the subconsultant completes quality checks throughout the project and a final QA/QC of the project is completed prior to submittal to the client. Using the above review process, we have selected the following teaming partners for the City's CDBG-MIT project implementation:

### ***Geotechnical and Environmental*** **RABA-KISTNER, INC (Raba Kistner)**

Founded in 1968, Raba Kistner, Inc. (Raba Kistner) is recognized as one of the Southwest's largest consulting firms offering our engineering specialties. We provide program/project management services and self-perform:

- Environmental Consulting and Engineering
- Geotechnical Engineering
- Construction Materials Engineering, Testing, and Observation
- Facilities Engineering including Building Envelope Consulting and Roofing/Waterproofing, and
- Pavement Consulting



Our multi-disciplined team—made up of more than 400 employees—consists of civil, facilities, environmental, geotechnical, and materials engineers; roofing consultants and observers; building envelope consultants; architects; LEED APs; environmental geologists; scientists; archaeologists; technicians; and support personnel. More than 75% of our team holds licensure or certifications in their areas of expertise. Furthermore, Raba Kistner's Geotechnical and Construction Materials Testing staff and laboratories are among the largest in the State.

### Relevant Projects

- Prop. Bicentennial Blvd Extension, McAllen TX
- Proposed Dove Avenue Extension, McAllen TX
- Prop. Mile 6 W & Mile 14 N. Drainage, Weslaco TX

### Architectural

**Alvarado Architects & Associates, Inc. (Alvarado)** was founded in 1991 by Erasmo “Ed” Alvarado, Jr., President, AIA. After graduating from Texas A&M University Mr. Alvarado, a Rio Grande Valley native, returned home where he served as the lead designer for several local architectural firms. After persevering through the Architectural Depressions of the 1980’s, Erasmo Alvarado, Jr. decided it was time to open up his own firm. Mr. Alvarado set up shop in his hometown of Donna, Texas.

Now, with over 25+ years of experience dedicated to educational facility planning and design, Alvarado Architects & Associates, Inc. continues to deliver quality projects with an emphasis on customer service. In 2016 Erasmo Eli Alvarado, III joined Alvarado Architects & Associates, Inc., and as Vice-President he is dedicated to maintaining the customer service culture and work ethic established by his father. Erasmo “Ed” Alvarado, Jr. and Erasmo Eli Alvarado, III are committed to their involvement on each and every project undertaken by the firm.

Alvarado Architects & Associates, Inc. strives to deliver the most efficient, functional and well-designed facilities that are within budget and on schedule. The firm offers a design team that brings together multiple services within a single source. This allows an increased flexibility to react quickly to a variety of options and considerations.



### ROW Acquisition

**Brighton Group ROW** (Brighton) mission to our clients is to deliver the best land and right of way services on time and within their respective budgets. Our staff is dedicated to the success of our clients’ projects, and they are experienced in ensuring that affected land and property owners are satisfied with the result.



Building relationships is a critical part of the right-of-way and overall land management process. Asking the right questions, establishing an understanding, and gaining trust helps land and property acquisitions stay on course. We help communicate the project and its benefits, build consensus, and ease the negotiation process. We administer all aspects of the property acquisition process. Our turnkey service allows our clients to have a single point of contact for all right of way functions for services delivery and accountability. Our staff is highly trained in the laws and regulations appropriate to the Uniform Act and all associated state and local requirements.

ROW acquisition is a part of the highway and transportation project development process. ROW acquisition begins with the collection of data such as project plans, preliminary ROW and utilities assessments, identification of the owners of the required properties (title), survey maps, etc. Then appraisals are made to determine the fair market value of each property. Based on the appraisals, the agency will contact the property owners, present the estimated compensation value, and negotiate with the owners. If acquisition negotiation is unsuccessful, the quick-take process and condemnation (or eminent domain) will typically follow. If the title and possession are transferred to the agency, acquisition and relocation will take place. ROW must be acquired early or after environmental clearance and once the decision to purchase a parcel has been made.

### *Surveying*

**Vickrey & Associates, Inc. (VICKREY)**, a small, woman-owned, and disadvantaged business, is a leading civil engineering, landscape architecture, and surveying consulting firm. VICKREY includes an experienced team of engineers, designers, technicians, inspectors, landscape architects, and surveyors, supported by drafting, technical, administrative, and field personnel. VICKREY has over 48 years of experience providing consulting services to municipal, state, and federal agencies. Services also include landscape architecture and land planning; program and construction management; civil engineering; transportation and transit design; rail design; hydrology and hydraulic analysis and modeling; site location consulting services; feasibility studies; site development services; zoning; utility coordination and design; regulatory approvals; permitting; subdivision platting; GIS mapping; preparation of schematic through final construction documents for land development, airport, highway, street, transit, rail, fixed-guide way, and multi-modal/transit-oriented facility design; and construction phase services. VICKREY also provides full land surveying and geospatial services that include land title, boundary, ROW/easement, tree, topographic, hydrographic/bathymetric, rail and construction surveying, terrestrial, mobile, and airborne LiDAR high-density scanning, and as-builts.



### *Subsurface Utility Engineering (SUE)*



**The Rios Group, Inc. (TRG)** is a minority-woman owned Texas Corporation, established in 2012, and headquartered in Fort Worth, Texas. With additional offices located in Dallas, Houston (The Woodlands), Austin (Round Rock) and San Antonio (Universal City), TRG maintains a team of 75 people. TRG was recently recognized by the City of Austin - Small & Minority Business Resources as one of the 2018 Small Businesses of the Year and by the City of Dallas- Office of Business Diversity as one of the 2019 4E Award recipients for Excellence.

Over the last 8 years, TRG has provided responsive, reliable and full service professional Subsurface Utility Engineering (SUE) and Utility Coordination (UC) for numerous public-sector agencies and private clients, small and large, throughout Texas. We have provided over 9 million linear feet of QL "B" services and over 25,000 QL "A" test holes. TRG owns its equipment consisting of 20 designating vehicles, and 12 Vacuum Excavation Units, as well as core drills, traffic control equipment, and other necessary ancillary supplies. Our knowledge, experience and familiarity with diverse Texas communities have saved our clients from costly delays due to utility conflicts in civil design and construction projects.

### **RELEVANT PROJECT EXPERIENCE**

As demonstrated in below, Dannenbaum is experienced with projects of similar size and scope of work, including master plan implementation, CDBG funding, H&H analysis and modeling, design, and construction cost estimation. We understand the requirements of all types of infrastructure improvement and construction projects and would welcome the opportunity to work with the City.

### **CITY OF MCALLEN NORTHWEST REGIONAL DETENTION FACILITY ANALYSIS AND BLUELINE DRAINAGE DITCH ANALYSIS: MCALLEN, TX.**

Dannenbaum updated the previous Northwest Blueline Drainage Ditch technical analysis completed in 2003. Analysis and design of channel improvements to the NW Blueline Ditch and the proposed Northwest Regional Detention Facility (NW RDF) were also investigated. The NW Blueline channel improvements and the NW RDF are two of the projects included in the recently approved bond program for drainage improvements for the City of McAllen. In addition to the proposed improvements, the extension of Freddy Gonzalez Road across the NW Blueline Ditch was analyzed.



The hydrologic and hydraulic models from the previous 2003 study were unavailable and were built from scratch for this study. Existing conditions were modeled in HEC-HMS and HEC-RAS. Hydrologic calculations were performed in accordance with the drainage policy within the City of McAllen standard design for public infrastructure. The hydraulic model was developed using data from multiple sources including survey data, design plans for the ditch obtained from the City of McAllen, and the latest available LiDAR data available downloaded from TNRIS. The hydraulic analysis was performed for the 10-, 50-, and 100-year storm events using unsteady HEC-RAS.



Several scenarios were analyzed for proposed conditions including future Freddy Gonzalez Road and the NW RDF and channel improvements to the NW Blueline Ditch downstream of Oxford Avenue. Dannenbaum prepared a technical report including the results of the analysis and an approximate cost estimate for the proposed improvements.

### **STUART PLACE ROAD IN HARLINGEN TEXAS, FROM I-2 (OLD US 83 EXWY.) SOUTH TO BUS 83**

Mr. Lopez was the Project Manager responsible for developing the PS&E that included all the roadwork for construction. A list of the PS&E items is asphaltic concrete pavement, flexible base, lime treated subgrade, storm drain system, irrigation crossings, drainage culvert design, utility adjustments, railroad crossing, traffic control detours, pavement widening. This \$2.1 Million project involved coordination with various entities such as the Railroad Company, Drainage District, Irrigation District, City of Harlingen, TxDOT, Etc. This project also involved close coordination with the Railroad Company and had to address the signing, planking, interconnectivity to existing traffic signals.



The project requires all aspects of professional engineering services from roadway engineering, schematics, surveying, mapping, right-of-way acquisition, subsurface, and geotechnical engineering to develop a full PS&E as per TxDOT specifications.

During the Advanced Planning process, the environmental document was prepared and submitted to TxDOT for approval before requiring Right-of-Way. Even though this project was an off-system facility, the funding from the State needed that all the advanced planning design documents to PS&E had to meet all the regulations and specifications from TxDOT.

Once the City of Harlingen and TxDOT approved the Advance Planning design documents, the PS&E started by initiating surveying, right-of-way acquisition, subsurface, and geotechnical engineering for proper engineering roadway design. The planning design was submitted to the City and TxDOT for final processing. Drainage was a significant concern due to the Valley flat terrain and typical flooding due to proper drainage outfall channels. The City of Harlingen PM requested an urban curb & gutter design with an adequate storm drain system and included sidewalk on the road's East Side.

City of Harlingen's contract also requested that similar bidding documents be prepared for TxDOT, including plans, specifications, construction cost estimates, and a utility relocation meeting to ensure that the roadway was ready for letting. Coordinating and managing a PS&E design plan might be time-

consuming, but the job-related experience will facilitate to run smoothly without any delays or over budget construction costs.

#### **DALLAS WATER UTILITIES CONTRACT #4 – RAWLINS-KNIGHT DRAINAGE RELIEF SYSTEM & THROCKMORTON-REAGAN DRAINAGE IMPROVEMENTS: DALLAS**

The City of Dallas Water Utilities Department received an emergency call alerting them that a sink hole had formed at the corner of Rawlins Street and Douglas Avenue due to the collapse of a 24-inch clay tile storm drain pipe that runs parallel to Rawlins Street at the intersection. A CCTV inspection found the storm drainpipe also collapsed beyond the sinkhole, severely constricting stormwater flow. The City's assessment indicated that this storm drain system installed circa 1920 was beyond rehabilitation and would require complete replacement.

To address the substantial public safety risk it currently poses, the proposed Rawlins-Douglas to Knight system will replace and upgrade this existing storm drain system to relieve localized flooding. The storm drain system in the Throckmorton-Reagan area was partially upgraded in 2000 to provide relief from local flooding. The current project will determine the additional capacity required to complete the upgrades to more effectively convey flood waters and provide flood relief within the watershed. At both locations, the proposed systems will need to avoid negative hydraulic impacts at their downstream system outfalls.

Dannenbaum provided engineering investigation, preliminary/final design, and construction plans and specifications to replace and upgrade the existing storm drain system at the two locations to relieve local flooding. Also prepared detailed proposed and existing conditions hydrologic and hydraulic models using XP Storm and AutoDesk-Hydraflow, and managed SUE and geotechnical investigations along proposed alignments. Challenges included: 1) development of existing conditions model for Throckmorton-Reagan locations using limited record information from 70+ year-old systems and field surveys, 2) securing survey access to DART ROW, 3) gaining NTTA release of as-built plans along Dallas North Tollway to confirm drainage outfalls, and 4) securing access to private property to survey drainage paths.



#### **DIXIELAND ROAD EXTENSION, CITY OF HARLINGEN, FROM GARRET ST, TO FM 1479 (RANGERVILLE ROAD)**

The limits of this project were from Garret Road to FM 1479 (Rangerville Road), Texas. Mr. Lopez was the Project Manager for this 1.55-mile urban curb and gutter/ rural schematic/ PS&E project. Mr. Lopez was responsible for the design and plan preparation to extend the existing Dixieland Road from Garret and connect to FM 1479 across the Arroyo. This \$4.3 Million project consisted of developing a PS&E that included all the roadwork of construction. The PS&E package included grading, asphaltic concrete pavement, flexible base, lime treated subgrade, storm drain system, large bridge design with attached water line, large hydrologic drain area analysis, culvert design, channel excavation, and lining, etc. This project involved coordination with various entities such as



the Drainage District, Irrigation District, City of Harlingen, TxDOT, Etc. and was also funded by TxDOT as an off-system project.

Dixieland is an off-system project to reconstruct and widen to the four-lane urban facility. This project relates all aspects of professional engineering services from roadway engineering, schematics, surveying, mapping, right-of-way acquisition, subsurface, and geotechnical engineering to develop a full PS&E as per TxDOT specifications.

During the advanced planning, the environmental document was prepared and submitted to TxDOT for approval before acquiring the right-of-way from the preferred alignment. Even though this project is an off-system, in order for funding from the state the advanced planning to PS&E had to meet all the regulations and specifications from TxDOT for funding approval.

Once City of Harlingen and TxDOT approved the advance planning design, the PS&E initiated for surveying, right-of-way acquisition, subsurface, and geotechnical engineering to commenced work for proper engineering roadway design. The PS&E will commence to acquired right-of-way, surveying, subsurface, and geotechnical engineering to design as per TxDOT specifications.

### **ANZALDUAS INTERNATIONAL BRIDGE, TOLL AND GENERAL SERVICES ADMINISTRATION (GSA) FACILITIES, MCALLEN (HIDALGO COUNTY), TEXAS TO REYNOSA, MEXICO**

In addition to all land surveying, preliminary and final design of the 1.75-mile bridge span on the U.S. side, work included surveying for the toll plaza and Administration Building parking lots and roadway system as well as drainage facilities, wet and dry utilities (water, storm and sanitary sewer); and hydraulic structures. This project was approved by both the U.S. International Boundary and Water Commission (USIBWC) and the Mexican government.

### **37-MILE HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 (HCDD1)/U.S. INTERNATIONAL BOUNDARY AND WATER COMMISSION (USIBWC) RIO GRANDE RIVER LEVEE IMPROVEMENT PROJECT, HIDALGO COUNTY, TEXAS**

Dannenbaum McAllen provided evaluation, complete land surveying, preliminary and final design for the raising of over 37 miles of USIBWC Rio Grande River and floodway levees, allowing USIBWC and FEMA to certify the levees in Hidalgo County. Surveying services involved horizontal control using Static GPS procedures and vertical control using electronic and digital levels based on NGS first-order benchmarks. Included in the 37 miles were 20 miles of concrete structure combined with the raising of the levee with the U.S. Department of Homeland Security (DHS) Border Wall. The project resulted in a direct grant to HCDD1 of over \$150 million and was surveyed, designed and constructed within 13 months.



### **ALAMO DRAINAGE DITCH (INTERCEPTOR) OUTFALL TO ALAMO EXPRESSWAY DRAIN, HIDALGO COUNTY**

Hydraulic analyses were conducted for 1,409 acres of land within the southern portion of Hidalgo County, within Precinct No. 1 and 2. A 1.60-mile stretch of a **drainage ditch** was proposed with a design of a 5-foot bottom, 10-foot maintenance-ditches on both sides, slopes of 3:1, and maximum ROW width of 150 feet. The limits of the drainage channel will be from the existing Alamo Expressway Drain running east 8,450

feet between FM 907 (Alamo Road) and Cesar Chavez Road. The drainage ditch is to intercept water that is flooding an area located on El Gato Road and also to relieve the southern portion of the City of Alamo from flooding problems. It will so provide a drainage outfall for the improvements being made on FM 907 (Alamo Road). The project is being managed by the Hidalgo County Drainage District No. 1, in conjunction with Hidalgo County Precinct No. 2 and Precinct No. 1, as well as TxDOT.

### **HIDALGO COUNTY FUNDED**

#### **RIO GRANDE RIVER FLOOD MAPPING, HIDALGO COUNTY**

Dannenbaum developed Rio Grande River Flood Mapping project, which consisted of developing an updated hydraulic model to examine the extent of flood during the design storm. A structural inventory was performed against real estate data from the County appraisal district to determine potential flood damage. The process also helped



formulate the necessary yearly flood insurance premiums should the levees be decertified. Floodplain mapping for several levee break scenarios were also examined to allow County officials to weigh the priority of levee repair in the event they needed to take a phase-based approach to the repairs. This economic analysis also helped decision makers compare the cost of upgrading the County levee system against the flood insurance premiums that would be required without levee upgrades.

#### **ABILITY TO COMPLETE PROJECTS ON TIME AND WITHIN BUDGET**

Dannenbaum has proposed experienced personnel who know and understand the tasks required to perform the needed services for this project. We also have additional staff with the required knowledge and skill to supplement the team, if necessary, to maintain the project schedule. The team is available to commence services immediately upon the issuance of a notice to proceed from the City. We are committed to meeting the City's deadlines and project schedules to ensure a timely delivery for construction. The key is complete dedication from all team members and we hereby commit to making the resources of the firm and team members shown herein available up to 100% of their time (as needed) for the duration of the project.

Dannenbaum respects the value clients place on their schedules and budgets. We maintain an extensive software library of project management and accounting tools that allow project managers to closely monitor project costs and progress to ensure projects remain on schedule and within or under budget.

To meet your design schedule and budgets, the Dannenbaum Team will follow a rigorous process, including developing a detailed project management plan (PMP) tailored to the specific needs of the City of Weslaco. The PMP provides a framework for communicating the objectives of the City's project(s) to all participants. The project specific PMP will assist the team in completion of the project in a consistent, efficient, and timely manner, incorporating experiences and lessons learned from past related project management efforts.



## PROJECT APPROACH

### *Project Methodology and Execution Plan*

Dannenbaum's project execution plan involves initially meeting with the City of Weslaco project manager and staff to develop a well-defined scope of services. We assemble the team based on the City's needs and the project requirements, ensuring the appropriate resources are organized to begin work. We will maintain a constant core team deployed on the project to maintain consistency within the project and to assure the quality of staff over the duration of the engagement. We realize that the best way to maintain a project's momentum is by utilizing the same team for the duration of the project to minimize learning curves, maintain the project's history, and keep relationships and lines of communication active, open, and ongoing with City staff.



Dannenbaum ensures project ownership by the team by having all team members involved in the entire project process. All team members will be actively engaged with the project's progress and vital to its success. Stewardship is highly encouraged and checks and balances by the project manager and QA/QC team will ensure team members bring their best effort.

Project Manager Gustavo O. Lopez will lead the team. Mr. Lopez will be the primary contact for the City to communicate issues and to resolve any project issues effectively, should any arise. Sub consultants and all disciplines will report directly to Mr. Lopez. Following the initial scoping meeting, Mr. Lopez will submit a project schedule in Microsoft Scheduler or Primavera format to the City for review and approval. The plan will highlight critical tasks, showing all milestones and required submittals (30%, 60%, 90%, and 100%), including QA/QC reviews, reviews by the City and other potential entities, and review duration.

The project managers' daily involvement will ensure that the team is making progress and is following the project schedule. Weekly coordination meetings will be conducted with the sub-consultants to track their progress. Coordination with the City will include short weekly meetings to update project progress. These meetings will be organized through online meeting applications for efficiency as we deal with any impacts from COVID-19, such as work-from-home orders. Essential personnel will meet with the City in person monthly, bi-weekly, or as needed, to provide significant milestone updates and discuss critical upcoming tasks.

Each sub-consultant firm selected by Dannenbaum will provide specialized services for their designated area of expertise, with the utilization of sub-consultants within the scope of work. Like Dannenbaum staff, sub-consultant staff members will report directly to Mr. Lopez. Each sub-consultant firm has a solid reputation in their respective field. Individual team members (both within Dannenbaum and sub-consultant firms) have significant experience in the project's area of expertise.

### **Key Components to Our Project Plan**

#### Effective Workload Distribution

Effective workload distribution allows personnel to meet project milestones and deliver projects on schedule and within budget. The project milestones will be divided into weekly targets and distributed among the staff as per their expertise/skills. Workload distribution will be assessed regularly through weekly staff meetings. If additional resources are needed to meet a weekly target, the support staff will be engaged. Regular project meetings give the team the ability to identify upcoming resource needs and overcome anticipated hurdles promptly.

**Robust QA/QC**

All documents prepared by the team will be subjected to strict internal QA/QC procedures.

**Timely Engagement of Subconsultants**

Dannenbaum will keep the subconsultants informed of the project progress, which will allow them to engage at the right time. This is key to effectively utilizing their expertise for the benefit of the project and the team.

**Critical Path Scheduling**

In order to complete each project task in a timely manner and prevent delays caused by incomplete prerequisite tasks, we use critical path scheduling (CPS) to schedule and monitor project activities and task status reporting to monitor and continually update the CPS.

**Project Understanding and Approach**

Dannenbaum will work with the City of Weslaco to gather the necessary information for the submission of disaster recovery/mitigation funding applications. Assuming grant applications are approved, Dannenbaum will provide engineering planning and feasibility studies and be responsible for environmental, archeological studies, geotechnical, utilities, and surveying services during the projects' implementation process funding. Dannenbaum has extensive experience analyzing areas with known drainage problems to ascertain contributing factors causing flooding, quantifying the extent of flooding experienced, and developing realistic, cost-effective solutions.

At the onset of the project, the team will develop a well-defined scope of services based on the City's needs and the project requirements to ensure a final product in line with the City's goals and objectives. Dannenbaum proposes to utilize 2-dimensional urban flow modeling to assess the existing storm infrastructure and proposed improvements. Dannenbaum used a 2-dimensional urban drainage model using XP-SWMM for the Grand Parkway (SH 99) Section F-1 Design-Build Drainage Study in Harris/Montgomery Counties instead of a traditional 1-dimensional model. XP-SWMM 2D was also used for the Willow Creek watershed project to better model its significant shallow flow component. Using a 2-dimensional model has proven to be more accurate to capture the real-time drainage patterns for overland flow and utilize natural overflow and diversion features, such as curb top lines, sinks. Intersection grade breaks not to be evaluated in a limited 1-dimensional model or spreadsheet. The resulting depth grids can also be evaluated to confirm existing problem areas that have been documented by the City, neighborhood groups, and residents with a visual component. Developing a model using 2-dimensional software will also provide lower costs due to a more streamlined and efficient analysis of the drainage systems. Dannenbaum will maintain a constant core team to keep consistency within the project and assure the quality of staff over the engagement duration.

**Specifically, Dannenbaum's approach to each step of the project is as follows:****Funding Services**

Dannenbaum has previous experience with grant administration and working with the GLO. We were selected by Harris County to manage their Hurricane Ike CDBG work, contracted and funded by the GLO. Projects included street, water line, and sanitary line rehabilitation. Dannenbaum was also selected by Galveston County to handle all their Hurricane Ike CBDG work contracted through, and funded by, the GLO. This program involved 14 projects in various disciplines, including street rehabilitation, water, and sanitary line rehabilitation, generator installations, MUD motor control center, and channel improvements. Mr. Flores will provide his expertise with federal post-funding compliance. Dannenbaum's familiarity with the federal funding process will ensure all CDBG-MIT program requirements are adhered to over the project's entirety.

### **Application**

Dannenbaum will work with the City to develop a project scope, budget, project maps, and define impact areas of proposed projects selected for the CDBG funding application. A clear definition of the scope is vital in establishing the project goals and approach early in the planning and design efforts. It also further reduces the potential for changes later in the project that can disrupt the team's direction, dilute design concepts' clarity, and impact the team's productivity, schedule, and project cost. Additionally, the project's budget and schedule will be established based on the previously defined scope. The budget will be set by striking a balance between quality and value.

### **Design Services**

Dannenbaum will provide engineering services and be responsible for surveying, geotechnical, and environmental/archeological services to complete the preliminary design phase of project implementation. Environmental services will begin at notice-to-proceed to avoid potential delays from the permitting process. Data collection will be the first task performed and will include gathering available digital data, field reconnaissance, and survey. Field surveys of critical cross-sections and structures will follow the field reconnaissance and digital data collection. The existing survey or as-built data, with appropriate datum conversions, will be used where possible. Available LiDAR data can be supplemental to survey data. The latest hydrologic and hydraulic models will be acquired from FEMA.

Dannenbaum will perform all preliminary engineering design during this initial phase and provide all preliminary engineering, investigations, and drawings. The team will analyze all mitigation alternatives and perform value engineering to determine the most beneficial, efficient, cost-effective solution. Moreover, environmental and archeological reviews of the proposed projects need to be completed. Any time drainage is improved, additional flow increases downstream areas; therefore, mitigation alternatives will be evaluated. Detention is a typical solution, and in this case, close coordination with the City of Weslaco will be required.

### **Final Design Phase Services**

Dannenbaum will provide engineering services for the final design of the proposed projects. Services rendered will include preparing schedules, plans and profiles, specifications, and construction cost estimates of the selected alternative according to CDBG-MIT criteria; identifying, acquiring, and submitting any necessary permits for design approval and construction; and providing a final bid package for the project to the City of Weslaco.

### **Bid Phase Services**

The Dannenbaum Team's goal during bidding and construction is to provide services to assist the City in selecting a qualified and dependable contractor and to support the contractor in constructing the final project accurately and efficiently.

Dannenbaum will provide bid phase services, which will include the following as required:

- ▶ Develop complete bid package and assist the City in developing advertisements for bid solicitation
- ▶ Prepare special provisions for use in the bid documents, such as construction phasing
- ▶ Attend a pre-bid conference and assist in addenda preparation
- ▶ Review bids and make a recommendation of contract award
- ▶ Assist the City with negotiating and finalizing contract documents including issuance of the notice-to-proceed
- ▶ Assist the City with holding a pre-construction conference

### **Construction Phase Services**

Dannenbaum will provide construction phase services, which will, among other items, include the following as required:

- ▶ Provide responsive communication from Dannenbaum Team for RFIs, submittals, and change orders
- ▶ Make periodic site visits to evaluate progress and general conformance of work to the contract requirements and for conflict resolution
- ▶ Provide periodic and final inspections and test reports
- ▶ Ensure material use is reported accurately and according to specifications
- ▶ Ensure monthly construction schedules are reflective of construction status
- ▶ Develop a final as-built report of quantities, drawings, and specifications

The Dannenbaum Team is equipped with experienced project managers and inspectors who have experience monitoring projects in accordance with regulatory requirements and ample knowledge in storm sewer, paving, utilities, and channel improvements and detention pond construction.

Additionally, the team has experience reviewing construction schedules, RFIs, and submittals and providing detailed monthly reports for construction sites. The monthly report will include an update on the critical path activities, schedule changes, budget, and issues raised onsite or from the public.

### **Utilities**

Utility impacts are perhaps one of the most critical issues on most infrastructure projects. The intent will be to minimize utility relocations as much as possible. Dannenbaum will identify utility locations early (within two weeks) in the project, utilizing our SUE and field surveying capabilities. The Dannenbaum Team is exceptionally experienced in utility investigations, having successfully identified utilities for projects such as the City of Richardson's Prairie Creek Erosion Control project, the City of Denton's PEC-4 Phases 3 & 4 tasks, and Embassy Channel Drainage Improvements and Brockbank and Lower Delaware Drainage Improvements projects in Irving. We will provide utility conflict tables and coordination matrices to keep coordination with each utility organized and on schedule.

A separate utility coordination position is necessary to keep the utility investigations moving quickly to maintain the tight project schedule. Utility discussions will be held with the City regularly to keep you informed and allow quick decisions and cost-effective solutions. Our goal is to have most of the utilities shown on the design

### **Traffic Control**

There will be a need to provide a safe and practical maintenance of traffic during construction. Dannenbaum engineers will prepare a traffic control plan to ensure safe and uninterrupted flow of traffic for the traveling public, bicycles, and pedestrians while providing a safe and protected work zone for the construction crews within the project site.

Dannenbaum has a great deal of experience preparing traffic control plans, having created many traffic control plans on various types of projects ranging from complex interstates and expressways to local state, county, and city roads. Although the complexity of the plans vary based on the type of construction project, the overriding factor is always the safety of the traveling public and the construction workers and inspectors.

The primary goals of our traffic control plan will be to:

- ▶ Maintain safe and efficient traffic flows in the surrounding project area
- ▶ Minimize detours of cross-roadways
- ▶ Minimize disruption to area residents and businesses
- ▶ Provide access within the project area for police, school buses, first responders, and emergency personnel

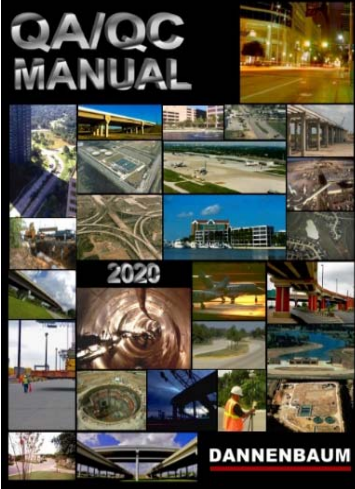


## Schedule

Dannenbaum understands that the grant funding may come with a tight schedule for completion of the project(s). We have the manpower available to meet these types of aggressive schedules when necessary

## QUALITY OF SERVICES

### Quality Assurance and Quality Controls Measures



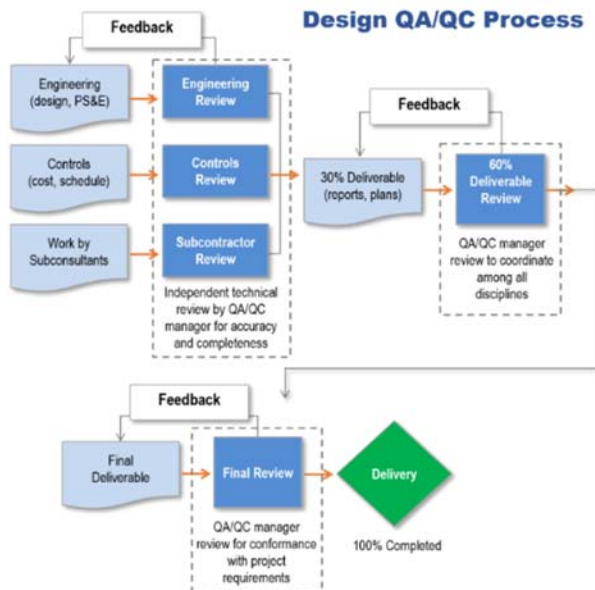
- ▶ Total team QA/QC program implemented and subconsultants required to follow procedures
- ▶ Interdisciplinary technical review identifies inconsistencies and QA/QC manager meets with team to address/resolve
- ▶ QA protocols require all QC materials be clearly documented and milestone submittals audited for program conformance

Dannenbaum is committed to providing complete quality assurance/quality control (QA/QC). Much of our reputation relates to the quality of work performed. Dannenbaum recognizes that QA/QC requires diligent effort by the entire team. Our QA/QC process reflects a philosophy that emphasizes the prevention of errors rather than merely checking and counting and it involves all aspects of our services. Our goal is to provide a quality product to the City of Weslaco and review and input from both the design team and the client required by our QA/QC program ensures this.

### Review Policies and Procedures

The designated QA/QC manager's sole focus is to confirm that the team's attention remains on accuracy and completeness of the work product. This allows Dannenbaum to have a set of "fresh eyes" on each task. The manager is responsible for ensuring that our QA/QC program is executed and not circumvented in any way. Our professionals take great pride in the quality of our design documents and other work products. Quality work enables us to maintain change order rates that average less than half the industry standard. This project will have a QA/QC plan that guides the project team as the work progresses.

Additionally, we have developed a project model for use by our professionals. This model is an extensive, defined approach to completing design work, with three levels of deliverables: 60%, 90%, and 100% levels. Discipline-specific QC reviews are conducted at each level to promote quality and timely design completion. Each review is performed prior to a submittal to the client and each deliverable is also submitted to the client for review to incorporate their preferences and direction into the design. This review is not a detailed final review, but rather is intended to identify concepts or major inconsistencies in design development. The QA/QC manager then meets with the design team to ensure all items and issues are addressed. Specific check procedures also require each document be reviewed in detail by an independent party and that this reviewer sign off on the document in written form. The QA/QC manager continues the oversight and detailed review through the 100% design level and through to construction completion.



## REFERENCES

① Eric Davila, PE, PMP, CCM

956.402.4762 / [eric.davila@hcrma.net](mailto:eric.davila@hcrma.net)

② City of Mercedes

Sergio Zavala, City Manager

956.565.3114 / [szavala@cityofmercedes.com](mailto:szavala@cityofmercedes.com)

③ TxDOT Pharr

Norma Garza, Director of Transportation Planning and Development

956.702.6214 / [norma.garza@txdot.gov](mailto:norma.garza@txdot.gov)

④ Hidalgo County Drainage District No. 1

Raul E. Sesein, PE, CFM – General Manager

956.292.7080 / [raul.sesein@hcdd1.org](mailto:raul.sesein@hcdd1.org)

⑤ City of Dallas Water Utilities Storm Water Project Management

Abidur Khan, PE, Senior Program Manager

214.671.9526 / [abidur.khan@dallascityhall.com](mailto:abidur.khan@dallascityhall.com)

**Dallas Water Utilities Storm Drainage Contract #4 – Rawlins-Knight Drainage Relief System and Throckmorton-Reagan Drainage Improvements:** Dallas

*Please see page 19 for project description*

## REQUIRED FORMS



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/2/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                    |  |                                                                                                                  |  |                          |
|--------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|--|--------------------------|
| <b>PRODUCER</b><br>Arthur J. Gallagher Risk Management Services, Inc.<br>2618 Broadway Street<br>Pearland TX 77581 |  | <b>CONTACT</b><br>NAME: Tami Melton<br>PHONE (A/C, No, Ext): 713-209-2800<br>E-MAIL ADDRESS: tami_melton@ajg.com |  | <b>FAX</b><br>(A/C, No): |
|                                                                                                                    |  | <b>INSURER(S) AFFORDING COVERAGE</b>                                                                             |  | <b>NAIC #</b>            |
|                                                                                                                    |  | INSURER A : National Fire Insurance Co of Hartford                                                               |  | 20478                    |
|                                                                                                                    |  | INSURER B : Continental Casualty Company                                                                         |  | 20443                    |
|                                                                                                                    |  | INSURER C : Continental Casualty Insurance Company                                                               |  | 32190                    |
|                                                                                                                    |  | INSURER D :                                                                                                      |  |                          |
|                                                                                                                    |  | INSURER E :                                                                                                      |  |                          |
|                                                                                                                    |  | INSURER F :                                                                                                      |  |                          |

**COVERAGES****CERTIFICATE NUMBER:** 1055957419**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                                                   | ADDL INSD                         | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                          |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------|---------------|-------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br><input type="checkbox"/> OTHER: |                                   |          | 2053853648    | 6/1/2020                | 6/1/2021                | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 700,000<br>MED EXP (Any one person) \$ 15,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>\$ |
| A        | <input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                                    |                                   |          | 1015348305    | 6/1/2020                | 6/1/2021                | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                                                                 |
| C        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000                                                                             |                                   |          | 2053853049    | 6/1/2020                | 6/1/2021                | EACH OCCURRENCE \$ 10,000,000<br>AGGREGATE \$ 10,000,000<br>\$                                                                                                                                                                                  |
| B        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                                                       | Y / N<br><input type="checkbox"/> | N / A    | 1022022126    | 6/1/2020                | 6/1/2021                | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                       |
| B        | Professional Liability<br>Claims Made                                                                                                                                                                                                                                                                                                               |                                   |          | AEH254055021  | 4/1/2020                | 4/1/2021                | Each Claim Aggregate Knowledge Date \$ 5,000,000<br>\$ 5,000,000<br>2/1/2003                                                                                                                                                                    |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

See Attached...

**CERTIFICATE HOLDER****CANCELLATION**

Sample Certificate

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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# **ADDITIONAL REMARKS SCHEDULE**

Page 1 of 1

|                                                              |           |                                                                                           |
|--------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------|
| AGENCY<br>Arthur J. Gallagher Risk Management Services, Inc. |           | NAMED INSURED<br>Dannenbaum Engineering Corp., et al<br>P O Box 22292<br>Houston TX 77027 |
| POLICY NUMBER                                                |           |                                                                                           |
| CARRIER                                                      | NAIC CODE | EFFECTIVE DATE:                                                                           |

## **ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**  
**FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

The General Liability and Auto policies include a Blanket additional insured endorsement that provides additional insured status when there is a written contract, agreement or permit between the named insured and the certificate holder that requires such status.

The General Liability, Auto and Workers Compensation policies include a Blanket waiver of subrogation endorsement when there is a written contract, agreement or permit between the named insured and the certificate holder that requires such status.

The General Liability is primary and non-contributory to other insurance when required by written contract.

The Umbrella liability policy is follow form as respects the additional insured and waiver of subrogation provisions of the underlying policies. Professional liability coverage is excluded from the umbrella policy.

The General Liability, Auto and Workers Compensation policies include a Blanket 30 Day Notice of Cancellation except 10 Days for Non Payment of Premium per policy terms and conditions.

### **Complete Named Insured:**

Dannenbaum Engineering Corporation  
Dannenbaum Engineering Corporation dba Barden & Bartow  
Civil Engineering Corporation, a Dannenbaum Company  
Dannenbaum Engineering Company – Austin, LLC  
Dannenbaum Engineering Company – Dallas, LLC  
Dannenbaum Engineering Company – El Paso, LLC  
Dannenbaum Engineering Company – Fort Worth, LLC  
Dannenbaum Engineering Company – Houston, LLC  
Dannenbaum Engineering Company – Laredo, LLC  
Dannenbaum Engineering Company – McAllen, LLC  
Dannenbaum Engineering Company – San Antonio, LLC  
Dannenbaum Engineering Corporation / Klotz Associates Inc. a Joint Venture  
Dannenbaum Engineering Corporation dba Falcon Point Associates  
Dannenbaum Engineering Corporation dba Formosa Plastics Corporation USA  
Dannenbaum Environmental Corporation  
Dannenbaum, Dodson and ECS Joint Venture  
Dannenbaum, Gerwick, Joint Venture  
Dannenbaum, W.P. Moore & Terra Nova, Joint Venture (fka Dannenbaum Dodson & Terra Nova JV)  
DECTEC LLC  
Engineering Holding Corporation  
ICE & Dannenbaum JV  
JB Dannenbaum Consulting Engineers  
Munoz & Dannenbaum JV

# System for Award Management (SAM) Verification

Federal System for Award Management (SAM) verification (search results for Dannenbaum Engineering Corporation).



**SAM**  
SYSTEM FOR AWARD MANAGEMENT

**A NEW WAY TO SIGN IN** - If you already have a SAM account, use your **SAM email** for login.gov.

**Log In**

[Login.gov FAQs](#)

[HOME](#) [SEARCH RECORDS](#) [DATA ACCESS](#) [CHECK STATUS](#) [ABOUT](#) [HELP](#)

### Entity Dashboard

[Entity Overview](#)  
[Entity Registration](#)

- [Core Data](#)
- [Assertions](#)
- [Reps & Certs](#)
- [POCs](#)

[Exclusions](#)

- [Active Exclusions](#)
- [Inactive Exclusions](#)
- [Excluded Family Members](#)

[RETURN TO SEARCH](#)

**DANNENBAUM ENGINEERING CORPORATION**  
DUNS: 052477692 CAGE Code: 0GU31  
Status: Active  
Expiration Date: 12/08/2020  
Purpose of Registration: All Awards

3100 W ALABAMA ST  
HOUSTON, TX, 77098-2004,  
UNITED STATES

#### Entity Overview

##### Entity Registration Summary

**Name:** DANNENBAUM ENGINEERING CORPORATION  
**Business Type:** Business or Organization  
**Last Updated By:** Betty Lozada  
**Registration Status:** Active  
**Activation Date:** 12/09/2019  
**Expiration Date:** 12/08/2020

##### Exclusion Summary

**Active Exclusion Records?** No



**GSA**

IBM-P-20200124-1615  
WW7

[Search Records](#)  
[Data Access](#)  
[Check Status](#)  
[About](#)  
[Help](#)

[Disclaimers](#)  
[Accessibility](#)  
[Privacy Policy](#)

[FAPIS.gov](#)  
[GSA.gov/IAE](#)  
[GSA.gov](#)  
[USA.gov](#)

**CONFLICT OF INTEREST QUESTIONNAIRE**  
For vendor doing business with local governmental entity

**FORM CIQ**

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1 Name of vendor who has a business relationship with local governmental entity.**

Dannenbaum Engineering Corporation

**2** ☒ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3 Name of local government officer about whom the information is being disclosed.**

N/A

Name of Officer

**4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

N/A None

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☒ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☒ No

**5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A None

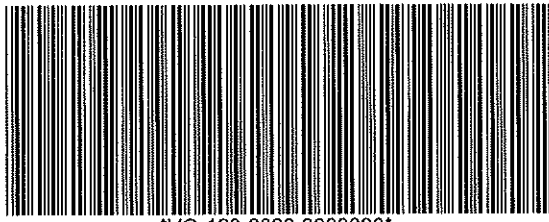
**6** ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7** Wayne G. Ahrens

Signature of vendor doing business with the governmental entity

Date

1-27-2020



\*VG-120-2020-3083090\*

Hidalgo County  
Arturo Guajardo Jr.  
County Clerk  
Edinburg, Texas 78540

Document No: 3083090

Billable Pages: 1

Recorded On: January 27, 2020 02:14 PM

Number of Pages: 2

\*\*\*\*\*Examined and Charged as Follows\*\*\*\*\*

Total Recording: \$ 36.00

\*\*\*\*\*THIS PAGE IS PART OF THE DOCUMENT\*\*\*\*\*

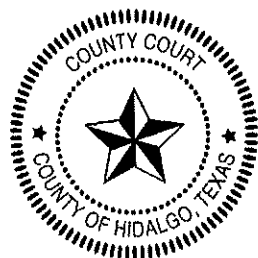
Any provision herein which restricts the Sale, Rental, or use of the described REAL PROPERTY  
because of color or race is invalid and unenforceable under federal law.

**File Information:**

Document No: 3083090  
Receipt No: 20200127000280  
Recorded On: January 27, 2020 02:14 PM  
Deputy Clerk: Vanessa Barreiro  
Station: Mcallen-CC-K24

**Record and Return To:**

Richard D Seitz  
401 Shasta Avenue  
Original Returned to Customer  
McAllen TX 78504



STATE OF TEXAS  
COUNTY OF HIDALGO

I hereby certify that this Instrument was FILED in the File Number sequence on the date/time  
printed hereon, and was duly RECORDED in the Official Records of Hidalgo County, Texas.

Arturo Guajardo Jr.  
County Clerk  
Hidalgo County, Texas



## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Dannenbaum Engineering Corporation, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

  
Signature of Contractor's Authorized Official

Johan C. Petterson, PE, CFM- Principal-In-Charge  
Printed Name and Title of Contractor's Authorized Official

September 10, 2020  
Date

**Disclosure of Lobbying Activities**

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                            |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><input checked="" type="checkbox"/> a. contract<br><input type="checkbox"/> b. grant<br><input type="checkbox"/> c. cooperative agreement<br><input type="checkbox"/> d. loan<br><input type="checkbox"/> e. loan guarantee<br><input type="checkbox"/> f. loan insurance                                                                                                                                                                                                                                                                                                               | <b>Status of Federal Action:</b><br><input checked="" type="checkbox"/> a. bid/offer/application<br><input type="checkbox"/> b. initial award<br><input type="checkbox"/> c. post-award                                    | <b>Report Type:</b><br><input checked="" type="checkbox"/> a. initial filing<br><input type="checkbox"/> b. material change |
| <b>Name and Address of Reporting Entity:</b><br><input checked="" type="checkbox"/> Prime <input type="checkbox"/> Sub awardee<br>Tier _____, if Known:<br><br>Dannebaum Engineering Corporation<br>3100 W. Alabama, Houston, Texas<br><br><b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                       | <b>If Reporting Entity in No. 4 is Sub awardee,</b><br>Enter Name and Address of Prime:<br><br><br><b>Congressional District, if known:</b>                                                                                |                                                                                                                             |
| <b>Federal Department/Agency:</b><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>7. Federal Program Name/Description:</b><br><br>CFDA Number, if applicable: _____                                                                                                                                       |                                                                                                                             |
| <b>Federal Action Number, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>9. Award Amount, if known:</b><br><br>\$                                                                                                                                                                                |                                                                                                                             |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i>                                                                                      |                                                                                                                             |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <u>Johan Petterson</u><br><b>Print Name:</b> Johan C. Petterson, PE, CFM<br><b>Title:</b> <u>Principal-In-Charge</u><br><b>Telephone No.:</b> <u>817.763.8883</u> <b>Date:</b> <u>September 10, 2020</u> |                                                                                                                             |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Authorized for Local Reproduction</b><br><b>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                                         |                                                                                                                             |

# CERTIFICATE OF INTERESTED PARTIES

**FORM 1295**

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING****1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

Dannenbaum Engineering Corporation  
Houston, TX United States

**Certificate Number:**  
2020-665719

**Date Filed:**  
09/09/2020

**Date Acknowledged:**

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**

City of Weslaco

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**

RFQ 2019-20-24  
A/E/Survey CDBG-MIT Disaster Recovery Funding (DEC 9144-67)

| 4 | Name of Interested Party | City, State, Country (place of business) | Nature of interest<br>(check applicable) |              |
|---|--------------------------|------------------------------------------|------------------------------------------|--------------|
|   |                          |                                          | Controlling                              | Intermediary |
|   | Maksoud, Michel          | Houston, TX United States                |                                          | X            |
|   | Ahrens, Wayne            | Houston, TX United States                |                                          | X            |
|   | Petterson, Johan         | Dallas, TX United States                 |                                          | X            |
|   |                          |                                          |                                          |              |
|   |                          |                                          |                                          |              |
|   |                          |                                          |                                          |              |
|   |                          |                                          |                                          |              |
|   |                          |                                          |                                          |              |
|   |                          |                                          |                                          |              |

**5 Check only if there is NO Interested Party.**☐**6 UNSWORN DECLARATION**

My name is Johan Petterson, and my date of birth is 12/20/1985.

My address is 1105 Shawnee Trail, Carrollton, TX, 75007, USA.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Denton County, State of Texas, on the 9th day of September, 20 20.  
(month) (year)



Signature of authorized agent of contracting business entity  
(Declarant)

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
DATE & TIME:**  
September 10, 2020 at  
3:00 PM

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2020 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFOenlJcjZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,   
hrhodes@weslacotx.gov

Purchasing Agent

**Acknowledged by Firm:** Johan Pitterson **date:** 09.08.20





## VENDOR'S NOTICE OF INTENT TO SUBMIT QUALIFICATIONS

If you intend to submit qualifications for  
**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation RFQ No.: 2019-20-24**

with the City of Weslaco as outlined in the specifications, please indicate your intention by signing, dating, and returning this form to the address below prior to **September 10, 2020** so that you may receive any addendums to the specifications should the need arise.

Homer Rhodes  
City of Weslaco  
Purchasing Office  
255 S. Kansas Avenue  
Weslaco, Texas 78596  
Phone: 956.447.2240  
Fax: 956.969.8452  
hrhodes@weslacotx.gov

Name: Johan C. Petterson, PE, CFM Signature: Johan Petterson

(print / contact person)

Title: Principal-in-Charge Company/Agency: Dannenbaum Engineering Corporation

Mailing

Address: 3100 W. Alabama City/State/Zip: Houston, Texas 77098

Phone: 956.682.3677 Fax: \_\_\_\_\_

Email Address: mirna.santana@dannenbaum.com

RFQ No.: 2019-20-24



"The City on the Grow"



STATEMENT OF  
QUALIFICATIONS

# CITY OF WESLACO

ENGINEERING / ARCHITECTURAL /  
SURVEYING SERVICES

TEXAS GENERAL LAND OFFICE  
CDBG-MIT PROGRAM

SEPTEMBER 10, 2020





# STATEMENT OF QUALIFICATIONS

CITY OF WESLACO - ENGINEERING/ARCHITECTURAL/SURVEYING SERVICES  
TEXAS GENERAL LAND OFFICE CDBG-MIT PROGRAM



## HANSON PROFESSIONAL SERVICES

789 East Washington Street  
Brownsville, Texas 78520

## POINT OF CONTACT

Paolina Vega, PE, CFM  
Project Manager  
956-541-1155  
pvega@hanson-inc.com

## AUTHORIZED FIRM PRINCIPAL

Wilfredo Rivera, Jr., PE  
Vice President  
361-814-9900  
wrivera@hanson-inc.com

## WHY CHOOSE THE HANSON TEAM?

- Extensive regional experience.
- Unmatched local familiarity.
- Longstanding successful relationships with local and national funding agencies.

## REGISTRATIONS

- Texas Licensed Engineering Firm No. F-000417
- Texas Licensed Surveying Firm Registration No. 10194412
- Geoscientist Firm Registration No. 50556
- Architectural Business Entity Registration No. 2458
- TDA Certified to Administer TxCDBG Contracts
- TxDOT Precertified

September 10, 2020

City of Weslaco  
Homer Rhodes  
Purchasing Manager  
255 S. Kansas Ave.  
Weslaco TX 78596

## RE: RFQ for Engineering Services CDBG-MIT Program

Dear Mr. Rhodes:

The City of Weslaco has experienced extraordinary demands to its infrastructure due to the recently declared disasters in Texas. The City needs a supportive and experienced engineering consultant to provide solutions to City projects. Hanson Professional Services Inc. is that consultant. Hanson (as Naismith Engineering) has served the Rio Grande Valley since 1999. Over the course of that time, Hanson is proud to have been part of many focal projects for the City.

Hanson offers the City of Weslaco large company design resources with small office feel. The City will benefit from Hanson's experience and proactive communication with the City, while working towards building strong relationships with your staff.

*Hanson is able to provide with the development of grant applications, preliminary engineering, engineering and final design support, bidding and project award, special services and contract management and oversight for its CDBG Disaster Recovery – Mitigation Program projects.*

Hanson is the largest regional engineering firm in South Texas, with more than 70 professionals in architecture, engineering, surveying, environmental evaluations and developing successful financing packages. With offices in Brownsville, Corpus Christi, and Austin, Texas, Hanson is positioned to provide timely responses to the City and has experience with various municipal projects in the Rio Grande Valley and Cameron City. Projects will be managed from our Brownsville, Texas office.

*Hanson meets the appropriate state licensing requirements to practice as an engineer in Texas, has not had a record of substandard work within the last five years and has not engaged in any unethical practices within the last five years.*

Hanson looks forward to working closely with the City to ensure all requirements are met and that this project is completed in a timely manner, within budget. We take a great amount of pride in our recent work with the local public and private agencies and our ability to provide the highest quality professional services to the area. We appreciate the opportunity to submit our qualifications to the City.

Sincerely,  
Hanson Professional Services Inc.

Wilfredo Rivera, Jr., PE  
Vice President

# CONTENTS

## **Company Profile**

- 1 *Hanson Overview*
- 2 *Hanson's Services*

## **Experience and Qualifications**

- 5 *Recovery Experience*
- 5 *Mitigation Experience*
- 7 *Emergency Generator Experience*
- 8 *Disaster Relief Experience*
- 9 *Featured Projects*
- 17 *Local Government Clients*
- 18 *Organizational Chart*
- 19 *Resumes of Project Personnel*

## **References**

## **Required Forms**

- 33 *SAM.gov Documentation*
- 34 *Certificate of Insurance*
- 36 *Form CIQ*
- 37 *Certification Regarding Lobbying*
- 38 *Statement of Conflicts*



Founded in 1954, **Hanson** is a national, employee-owned consulting firm focused on providing engineering, planning, and allied professional services. Our corporation employs nearly 500 engineers, planners, land acquisition specialists, scientists, surveyors, technicians, and support staff in 28 offices nationwide, including our headquarters in Springfield, Illinois.

Hanson has a longstanding reputation for managing and performing various types of civil, structural, mechanical, and electrical engineering, as well as environmental science and regulatory support projects. We also have extensive experience supporting Texas communities in obtaining funding for infrastructure projects and managing grant-funded projects.

Hanson’s office locations are shown below, including our corporate office in Springfield, Illinois and our five Texas locations. **Work for Weslaco’s project will be managed from the Brownsville office**, with support from other locations as needed.

Hanson Professional Services, Inc. is registered with the State of Texas to provide professional engineering services. We have several registrations and affiliations nationwide, but maintain the following registrations to perform services in Texas under the following numbers:

Architecture: TABE Firm 13553  
Engineering: TBPE. Firm 417  
Geological: TBPG Firm 50017  
Surveying: TBPLS Firm 10194412  
Geoscientist: Firm 50556



Hanson provides a full range of civil engineering services. We have provided civil engineering for a wide variety of clients, including many counties and municipalities in South Texas, and we are familiar with the challenges faced in upgrading and maintaining public infrastructure.

## CIVIL ENGINEERING

Hanson can provide complete civil engineering services for municipal infrastructure projects. The following lists a portion of our civil engineering capabilities:

- Master planning and system evaluations
- Transportation planning
- Route studies and schematics
- Bridge design
- Pavement design
- Roadway geometric design
- Signalization and signage
- ADA accessibility assessment and design
- Water distribution pump stations
- Water distribution system piping
- Supervisory Control and Data Acquisition (SCADA)
- Wastewater collection system piping
- Lift stations and pumping facilities
- Stormwater hydrologic and hydraulic modeling and design
- Drainage system planning and design
- Floodplain delineation and mapping
- FEMA map revisions and amendments
- Flood control structures
- Preparation of preliminary and final plats
- Construction administration and inspection

## DRAINAGE SYSTEM PLANNING AND DESIGN

Hanson has provided drainage system planning and design services for numerous clients, including municipalities, counties, states, airports and railroads. We have specialized experience in the design and construction of large-diameter sewers. Some of our previous projects have required us to design up to 144-inch-diameter sewers to be placed more than 25 feet deep under existing city streets and rail lines. In addition to designing for open-cut construction methods, we have designed sewers to be tunneled to avoid disruption to the surface. Hanson has geotechnical engineers on staff with extensive experience in tunneling projects.

Our structural engineers have provided services for the structural design, rehabilitation, remodeling or restoration of a wide variety of buildings, including government, educational and military facilities.

## STORMWATER HYDROLOGIC AND HYDRAULIC MODELING AND DESIGN

Hanson delivers hydraulic/hydrologic analysis and design for clients including utility companies, municipalities, counties and states, in addition to performing drainage studies to determine stormwater collection and detention facility requirements for new facilities and problem areas. Our highway and rail projects also frequently require hydraulic studies along corridors for proper sizing of bridges, culverts, and storm sewers. We have specialized experience in the design and construction of large-diameter sewers and force mains. Hanson has completed a wide variety of surface hydrology/hydraulic studies, including flood studies, construction of water control elements, designing retention basins and surface drainage, analyzing surface runoff, and designing storm sewer networks.

## ENVIRONMENTAL

Our team of professionals includes engineers, biologists, geoscientists, chemists, and other disciplines who perform a broad range of environmental projects, including USACE permitting and conducting ecological studies and surveys. These studies are often the basis for government-required permits, endangered species and nesting bird surveys, habitat characterization reports and land use management plans.

Permitting services include wetland permitting, dune permitting and incidental tasks. Because of our diversity, we can provide practical, timely and effective solutions to your environmental





## GREEN INFRASTRUCTURE AND LOW IMPACT DEVELOPMENT

With Hanson's experience in developing stormwater management plans and Low-Impact Development (LID) techniques, we have infused these principles into our everyday design. Hanson has used LID techniques with several of its master plans, including Willacy County's Special Events / Multi-Purpose Center, Alice's Multi-Use Complex, Aransas County's Stormwater Master Plan, and many other land development projects. Hanson also has LEED BD+C certified designers ready to assist with future projects.

## CONSTRUCTION OBSERVATION AND INSPECTION

We offer a variety of construction management services, including on-site observation, construction documentation, construction layout, material testing coordination, and scheduling and cost control to clients nationwide. Hanson's experience also includes identifying federal, state and local permitting requirements. Our staff works closely with the client and regulators to provide the necessary documentation in a timely manner, keeping projects in compliance with permit requirements, and keeping construction on schedule.

## LAND SURVEYING

Hanson offers a complete range of geodetic surveying services. We can combine geographic positioning system (GPS) methods with traditional survey methods and our broad experience to accommodate almost any project need. We offer a complete range of overland services nationwide, including:

- Boundary surveys
- Construction surveys
- Control surveys
- Engineering design surveys
- Geodetic surveys
- Planimetric surveys
- Bathymetric surveys
- Right-of-way surveys
- Roadway and site surveys
- Topographic surveys

## PAVEMENT DESIGN

Hanson offers a full range of roadway and street design services. We have planned, designed and constructed roadways and city streets for clients throughout Texas and nationwide. Services include roadway and street widening and improvements, pavement rehabilitation and design, streetscape design including sidewalks and street lighting, intersection signalizations, curb and gutter, sewer, stormwater and drainage design, and utilities coordination and permitting



## TRAFFIC PLANNING AND ENGINEERING

By mapping out project needs, our seasoned team of traffic planning and engineering professionals assists communities in solving their efficiency, capacity, safety, convenience, and growth challenges.

Hanson provides efficient, safe, and convenient solutions for the issues that impact transportation systems and those who are affected by the systems. We can also successfully integrate your travel and traffic needs into mixed-use and neotraditional designs.

Specific traffic engineering services include:

- Traffic operation and safety studies
- Public involvement programs
- Social, economic, and environmental impact studies
- Traffic impact studies
- Data collection
- Traffic signal design
- Signal coordination and timing plans
- Traffic calming
- Transportation planning and travel demand modeling
- Corridor studies
- Feasibility studies
- Intersection/interchange studies
- Location and design studies
- Microsimulation modeling
- Origin and destination studies
- Parking studies

## WATER AND SEWER UTILITIES

Hanson has provided planning, engineering and surveying services for the design and construction of numerous water and sewer utilities. Our firm has completed facility planning documents, preliminary studies and coordination with project owners to make sure that the final design is the right design. We have successfully completed long-term water and sewer monitoring programs, hydraulic modeling of water and sewer systems, and examination of multiple design options.

Design services include survey, utility coordination, material selection, plans, specifications, and bidding documents. Hanson also provides permitting assistance, including Texas Commission on Environmental Quality (TCEQ) construction permits, environmental and historical preservation sign-offs, and stormwater management planning during construction. Our firm has experienced construction services staff that provide bidding assistance, bid review, and construction management and observation.

## ARCHITECTURAL SERVICES

Our full-time staff of architects can assist with a wide variety of projects. By combining architects and engineers under one roof, Hanson offers more than half of the consulting services necessary for any architectural or engineering projects proposed. We can provide complete architectural services for the City's potential projects, including:

- Program development
- Conceptual/schematic design
- Design development
- Construction drawings and specifications
- Bidding negotiations
- Construction administration and observation
- Design coordination and oversight services
- Contract document and closeout procedures
- Regulatory review and permitting
- Accessibility compliance
- Feasibility studies
- Site and space master planning
- Building information modeling
- 3D graphics and renderings
- Public presentations
- Sustainable design and LEED project consulting

Hanson is also familiar with the needs of interior finish-outs and remodel updates. We can provide complete architectural services for projects, including design coordination, space planning, color selections, color board presentations, as well as finishes, furniture, and equipment selection.

## STRUCTURAL ENGINEERING

From concept to completion, Hanson provides aesthetic and practical solutions to engineering projects. Our versatility in structural engineering can be seen in the successful planning and design of thousands of buildings, bridges and other structures. Some of our structural projects include:

- Recreational structures
- Bridges
- Dams and spillways
- Parking decks
- Power plants
- Retaining structures
- Retention tanks
- Silos
- Stadiums
- Towers
- Underpinnings
- Warehouses
- Airport terminals and hangars



## RECOVERY EXPERIENCE

**Disaster Recovery 2018 Drainage Improvements  
Willacy County, Texas**

Engineering assistance with applications to GLO Disaster Recovery Fund and engineering design services for drainage improvements in Lasara and Sebastian. The project at Lasara consists of the construction of new storm sewer culverts, regrading and flow capacity increase of drainage ditches to facilitate more efficient drainage. The project at Sebastian consists of three quick connect stations at Gates 626L, 628L, and 630L. Each station will include all-weather access road, embankment, concrete slab, two quick connect valve assemblies for intake and discharge, PVC C-900 pressure pipe and fittings, intake structure/assembly at WCDD1 culvert, outfall structure/assembly at IBWC canal and levee protection in accordance with IBWC standards. Estimated construction costs are \$1,162,500.

**Hurricane Ike/Dolly Disaster Recovery Program 2011  
Willacy County, Texas**

The project included the roofing improvements to homes in Willacy County, Texas. Funding provided by TXCDBG Disaster Recovery Program.

**Hurricane Dolly Disaster Assessment  
Los Fresnos, Texas**

The project included the assessment of damage caused by Hurricane Dolly (2008) within the city limits of Los Fresnos, Texas. Specific services included performing the windshield inspections, site assessments and preparing required forms for FEMA aid application.

**10th St. Railroad Crossing Drainage Improvements -  
TDRA Disaster Recovery Fund  
Los Fresnos, Texas**

Improvements included installing 106 linear feet of 48-inch RCP underneath rail road tracks by open cut. Specific services included preparing 100% Plans and Specifications, coordinating all of the surveying and geotechnical services needed for the improvements, construction management, and coordination with Union Pacific Rail Road and Cameron County Drainage District No. 1. Construction costs are estimated at \$46,400.

**SH 100 Drainage Improvements - TDRA Disaster  
Recovery Fund  
Los Fresnos, Texas**

Improvements included installing 288 linear feet of 48-inch RCP underneath SH 100 by open cut, two concrete headwalls, and installation of 100 linear feet of pedestrian guardrails. Specific services included preparing 100% Plans and Specifications, coordinating all of the surveying and geotechnical services needed for the improvements, construction management, and coordination

with TxDOT and Cameron County Irrigation District No. 6. Construction costs are estimated at \$197,000.

**Cameron County Beach Maintenance Permitting  
Cameron County, Texas**

Hanson completed the permit application for Cameron County's Beach Maintenance Permit, including Formal Section 7 Consultation with the USFWS for Boca Chica and other beach sections under Cameron County. This included working closely with Cameron County prescribing the preferred maintenance methods, as well as coordinating the Special Conditions. In addition, beach profile surveys were completed for various sections of Cameron County beaches and included in the permit application.

**Emergency Operations Center for the City of Del  
Rio, FEMA Grant Program - Managed by the Texas  
Department of Emergency Management (TDEM)  
Del Rio, Texas**

The project included design of a 3,259-square-foot addition to the existing fire station/911 call center campus. The building will provide a central emergency communications/disaster management center for federal, state, county and municipal agencies for the city and surrounding counties.

**Nueces County Emergency Operations Center FEMA  
Grant Program Managed by the Texas Department of  
Emergency Management (TDEM)  
Corpus Christi, Texas**

The project included renovating a 2,353-square-foot space on the sixth floor of the Nueces County Courthouse to house an Emergency Operations Center for Nueces County. The space consists of two offices, a storage space, a reception area, a small briefing/meeting room, a large communications room, a unisex restroom, and a coffee bar area. The Emergency Operations Center contains a large central space to house the operation's main command post and the four to five various department emergency stations.

## MITIGATION EXPERIENCE

**San Patricio County Drainage District  
San Patricio County, Texas**

Hanson has worked as the District's Engineer of Record since its inception in 1972, helping guide the District with drainage planning and improvements. Hanson developed a drainage master plan which is utilized by the District for planning and analysis. We also developed a county-wide Flood Control Study and Drainage Criteria Manual for the District. Hanson frequently assists the District in developing the plans and specifications for the construction of flood control and drainage structures located throughout San

Patricio County. Hanson evaluates the impact of new or proposed developments on behalf of the district to ensure that there will be no negative impact on the drainage system.

### **Peter's Swale Flood Control Improvements Odem, Texas**

Hanson assisted the San Patricio County Drainage District, San Patricio County, and the City of Odem, Texas, with flood control improvements along Peter's Swale located north of the City of Odem, Texas. Hanson performed all hydrology and hydraulic analysis necessary to size flood control channel improvements, which included bridge structures at the Union Pacific Railroad crossing, CR 42, and the north- and southbound lanes of US Highway 77. We also completed all easement, ROW acquisition, design of channel improvements, utility adjustments, permitting and construction inspection services.

### **Kinney Bayou Improvements Ingleside, Texas**

The project included HEC-2 Evaluation of Kinney Bayou in Ingleside, Texas to determine the required ditch cross section, structure size and ROW requirements for the recommended flood control improvements. Over the years, Hanson has completed numerous drainage and flood control improvements, including channel lining, bridge and culvert crossing, and environmental permitting. Hanson also assisted the San Patricio County Drainage District and the City of Ingleside, Texas with revisions to the Federal Emergency Management Agency (FEMA) floodplain mapping of the area.

### **Doyle Addition Drainage and Flood Control Improvements Portland, Texas**

Hanson completed all hydrologic and hydraulic analysis, detailed design, and performed construction inspection in the Doyle Addition drainage and flood control improvements, from Lang Road through the Doyle Addition to Nueces Bay. Hanson utilized HEC1 and HEC2 analysis to size recommended improvements, assisted the San Patricio County Drainage District with easement/ROW acquisition for the entire project length, assisted with utility adjustments, environmental permitting and adjustment of both public and private infrastructure improvements. The final constructed project included placement of large concrete box culverts, bridge crossings, concrete lined channel improvements and erosion control structures, all through a highly urbanized project area.

### **Stormwater Management Plan Phases 1 and 2 - Cove Harbor, Aransas County Navigation District Rockport, Texas**

The Phase I Stormwater Compliance plan was completed by Hanson to assess facility conditions, regulatory requirements, and District/tenant obligations. Phase II included a detailed

drainage study resulting from our assessment of our collected field topographic data. Hanson performed an assessment of tenant operations to determine best management practices to prevent stormwater contamination and further improve existing stormwater quality.

### **Greenlake Dam Improvements Portland, Texas**

Hanson designed emergency repairs to the Greenlake Dam structure located east of the City of Portland, Texas, including all geotechnical analysis, design and construction inspection for the emergency repairs. Hanson assisted the San Patricio County Drainage District with all emergency response measures, permit requirements and mobilizations of construction contractor to perform all work in an extremely unstable site condition. We also assisted the San Patricio County Drainage District with long-range planning of alternative spillway and dam improvements for the Greenlake flood control system. This work was coordinated with the Port of Corpus Christi Authority for the development of the Tennaco Property for future container cargo improvements.

### **Regional Master Storm Drainage Plan for the Live Oak Ridge Area of San Patricio County Ingleside, Texas**

A regional storm drainage and flood control plan was prepared for the Ingleside, Aransas Pass area to better facilitate drainage and flood control needs prior to the anticipated development due to the new Navy facility to be located in Ingleside, Texas. This project included one-foot aerial photogrammetric mapping of approximately 30,000 acres of San Patricio and Aransas County. Detailed hydrologic and hydraulic computer analysis was performed on all drainageways. Recommended improvements throughout the project area insured that the drainage improvements will be developed and constructed in the most feasible and cost effective manner.

### **Tortuga Dunes Project Port Aransas, Texas**

The Tortuga Dunes Project on Mustang Island is the most innovative low impact development and site-specific integrated stormwater design project in the entire South Texas and Mid Coast Region. Hanson is the Project Engineer for this residential subdivision and planned unit development and habitat preserve on Mustang Island overlooking the Gulf of Mexico.

The project incorporates a comprehensive and integrated stormwater management plan that provides stormwater best management, water quality control, and habitat management practices involving seven grassy swale/infiltration basins, over 18 sediment trap/infiltration basins at all outfalls, site specific permeable surface features, and several constructed wetland mitigation areas that receive stormwater discharge. The project

also incorporates endangered species habitat protection features, and comprehensive water quality and habitat monitoring and management plans. The project stormwater management system treats 83 percent of all runoff within the subdivision at the 10-year storm event.

### **Whitney Lake Project Ingleside, Texas**

The award-winning Lake Whitney Project is a stormwater management project involving a constructed wetland design with integrated water quality and habitat benefits in the Live Oak Peninsula area. The City of Ingleside's Whitney Lake-McCampbell Slough Watershed Protection and Public Access Enhancement Project received a CBBEP coastal community environmental conservation award for developing and constructing a project that corrected flood control problems while also reducing non-point source pollution and providing wetland habitat. Hanson was responsible for developing and managing a project approach involving five leveraged sources of local, state, and federal funds (CBBEP, CIAP, TxGLO, City, and County). This non-point source pollution control and flood control project involved:

- » Property and habitat acquisition
- » Design and construction of a stormwater wetland detention pond and channel system
- » Coordinating with an advisory team of USFWS/TPWD/TxGLO/ CBBEP/ Prairie Wetlands representatives
- » Preparing the first Coastal Bend Area Guidance Manual for Local Government on Watershed Management Planning
- » Providing a public and landowner education program on non-point runoff control and land use practices to control pollutants in runoff.

The constructed wetland provided nutrient and sediment control, flood water conveyance and detention, as well as several wetland habitat zones for migratory waterfowl.

## EMERGENCY GENERATOR EXPERIENCE

### **Florida Department of Management Services Special Needs Shelters (SpNS) Emergency Generator Installation Statewide, Florida**

Based on the assessments Hanson provided in 2005 and 2006 of the 20 Special Needs Shelter sites statewide, Hanson was commissioned by the Florida Department of Management Service (FL-DMS) to provide construction documents for the installation of Emergency Power Generation and Distribution at various Special Needs Shelters (SpNS) throughout the state of Florida. Tasks included electrical, as well as related mechanical, architectural and structural work for installation of the generators, associated power distribution and fuel storage. The generators were pre-purchased by the State of Florida, based upon specifications and sizing developed by Hanson during the site assessment phase. Construction at

some sites was performed by a CM (Construction Manager) at risk selected by the DMS. Other sites were put out to bid. The emergency generator will provide backup power for the HVAC, lighting, and life-safety loads in the buildings or areas within a building designated as SpNS areas.

### **Orlando Utilities Commission Electrical Power Design Orlando, Florida**

Electrical engineer for project to remove an existing 300 KW generator and replace with a 400 KW generator.

### **City of Altamonte Springs Water Treatment Plant No. 5 Expansion Altamonte Springs, Florida**

Electrical design engineer for a project involving the addition of a 1.6 MG storage tank, new roadway lighting, an upgrade of an existing emergency generator from 450 KW to 800 KW, installation of a new 1200 A motor control center, and an upgrade of the utility's underground service from 800 A to 1200 A at 480/277 volts.

### **Department of Management Services Mechanical, Electrical and Plumbing Engineering Services Central Florida**

Hanson has served as a continuing contract engineer for the Florida Department of Management Services to provide mechanical, electrical and plumbing services for the Central region of the state. This contract included projects having estimated construction costs and study fees not exceeding the threshold amount of \$2,000,000 (construction) and \$200,000 (planning or study fees). As part of this contract, Hanson has provided electrical engineering services for the following representative projects: Hurston and Rohde Buildings Energy Studies, Hurston Building Genset Replacement, Fort Meyers Regional Service Center Lighting Controls Replacement and Marathon Highway Safety and Motor Vehicles Building Generator.

The project included routing of traffic during construction activities to facilitate ingress and egress and coordination of existing underground utilities and other surface and subsurface infrastructure as required.

### **Lake County Electrical and Mechanical Engineering Continuing Contract Lake County, Florida**

Hanson serves as a continuing contract MEP engineer for Lake County, Florida. This contract included projects having estimated construction costs and study fees not exceeding the threshold amounts of \$2,000,000 (construction) and \$200,000 (planning or study fees). Representative electrical projects which have been completed through this contract include: Emergency Operations Center Analysis of Size of Emergency Generators, Graphics Development for the Fire Alarm Systems, Judicial Center Existing

Courthouse Lightning Protection Study, Animal Services Facility Renovation Study and Emergency Operations Center Electrical Systems Arc Flash Study.

### **Florida Department of Management Systems Generator Installations/Replacements Statewide, Florida**

*Peterson Building* - Hanson provided full services including construction documents (drawings and specifications), permitting and bidding services, and construction observation services for the replacement of an existing 150 KW emergency generator and ancillary equipment.

*Gore Building* - Hanson provided full services including construction documents (drawings and specifications), permitting and bidding services, and construction observation services for the replacement of an existing 250 KW emergency generator and ancillary equipment. The new design also corrected several code issues that had developed over the course of the building's lifetime.

*Trammell Building* - Hanson provided full services including construction documents (drawings and specifications), permitting and bidding services, and construction observation services for the replacement of an existing 350 KW emergency generator and ancillary equipment. The existing emergency generator was oversized for the site's emergency load. The new design installed a 250 KW emergency generator and also corrected several code issues that had developed over the course of the building's lifetime.

### **Lincoln Land Community College Emergency Generator System Installation Springfield, IL**

Hanson provided electrical and mechanical engineering to install three 500 KW diesel-driven engine generators. The new generators tie into the campus's power supply at the primary switches to the north portion of the campus. The new generation plant will provide power to the entire north half of the campus.

The three generators provide power at 480Y/277 Volts three phase and are paralleled onto a single main circuit breaker. The main breaker is motorized, so when the three units have all come to the proper voltage and frequency, the breaker closes and energizes a 2 MW step up transformer. The transformer increases the voltage to match the primary voltage of 12,470 volts. Once the medium voltage transfer switch senses voltage and frequency, it then transfers the north half of the campus onto emergency power. The building management controls were tied into the generator controls, allowing the major pieces of mechanical equipment to be stepped on slowly so as not to overwhelm the generator with surge current.

### **DISASTER RELIEF EXPERIENCE**

#### **Conn Brown Harbor Bulkhead Repairs Aransas Pass, Texas**

The bulkhead and cap replacement project was funded in part through a grant from the Texas Department of Rural Affairs through its Hurricane Disaster Relief Program.

#### **Shoreline Protection Ingleside on the Bay, Texas**

The bulkhead and shoreline protection project was funded in part through a grant from the Texas Department of Rural Affairs through its Hurricane Disaster Relief Program.

#### **Landfill Repairs - Disaster Funds Jim Hogg County, Texas**

Improvements included repairs to a closed land fill site and drainage channel, which were damaged by floodwaters. In two phases, Hanson converted a section of an existing landfill into a drainage channel. The project was funded by a disaster relief grant, as the original landfill was located adjacent to a creek, which rose after flooding occurred in Jim Hogg County. The project included debris removal from various locations. Both phases of the landfill cover repair totaled more than \$700,000.

#### **Orange Grove Drainage Improvements Orange Grove, Texas**

In May and June of 2015, storm conditions near the City of Orange Grove, Texas produced excessive rainfall in a short period of time. As a result, several roads were submerged under standing water for several days, causing damage to surfaces and underlying sub-base. As documented in the H&H Study, ten sites had very poor drainage conditions, which explained why the roads were damaged and submerged for several days. Resulting from our assessment of these drainage conditions, we developed unique solutions for nine of the ten sites that not only reduced the incidence of ponding water, but instead substantially improved drainage in these areas that will provide a very positive impact by encouraging the storm water to drain away from these residential areas and streets into neighboring drainageways via a new conveyance system. Once the drainage improvements were completed, the roadway base and asphalt surface were replaced to improve vehicular movement. In two allocations, grant funds totaled \$364,808, with estimated construction costs of \$328,327. The project was funded by FEMA.



## Laguna Point Recreation Area Willacy County, Texas

The Laguna Point Recreation Area (LPRA) is a coastal park located on a 44.6-acre tract of land that borders the Laguna Madre in Port Mansfield and is adjacent to a Dredge Material Placement Area (DMPA). This project was funded through the Coastal Impact Assistance Program (CIAP) along with a leveraged Texas Parks and Wildlife Department (TPWD) grant. The project components involved roadway improvements for public access, control of public access via a bollard and cable system, a nearly 600-foot lit public pier, natural resource conservation, a restroom with utilities, a playground, bird watching pavilion, and other recreational improvements.

The purpose of the project is to provide public access to the Laguna Madre shoreline for fishing, kayaking, bird watching, and nature awareness, to conserve and protect coastal natural resources, and to provide conservation education for visitors. Along with the cable and bollard system which provides protection from further vehicular impacts, the park area was also

Construction Cost:  
\$1,000,000

Client Name & Contact Person:  
Nueces County  
Honorable Aurelio "Keter" Guerra  
Willacy County Judge  
956-689-3393





### City of Los Fresnos CDBG Sewer, Street and Drainage Improvements Los Fresnos, Texas

The project consisted of 1,800 linear feet of street improvements, 12 ADA curb ramps, sidewalk and driveway repairs, 870 linear feet of 18-inch RCP storm sewer line, storm sewer manholes, Ty A inlets, and submersible pump replacement. Specific services included preparing 100% Plans and Specifications, coordinating all of the surveying, construction management, and coordination with the Texas Department of Agriculture. Project was funded in part by a Texas Department of Agriculture CDBG grant.

Estimated Construction Cost  
\$470,850

Contact  
Mark Milum, City Manager  
City of Los Fresnos  
520 E. Ocean Blvd.  
Los Fresnos, TX 75566  
956-233-5768





## Harris County Flood Control District (HCFCD) Pond Performance Assessment - Sediment and Maintenance Phase 1

### Harris County, Texas

The project investigated long-term sediment build-up in the forebay of a wet bottom detention basin forebay of a multi-celled facility by quantifying and analyzing basic physical features of the sediment. The motivation for this effort was to provide insights, based on local conditions, into O&M factors HCFCD might consider as forebays of this type are assessed; the focal interest was in the transport and fate of sediments in such a forebay.

Client Name & Contact  
Person:  
Harris County Flood Control  
District  
Robert Snoza / 713-316-  
4845

Project activities included:

- Field sampling program - collected bottom sediments using an Elkman Dredge and a core sampler at selected locations in the forebay of a multi-celled wet bottom detention basin facility,
- Characterization of those sediments based on gross physical attributes (grain size analysis, volatile constituents, and density) - data put into simplified water balance model,
- Interpretation of the data in terms of the sediment retained by the forebay (sedimentation)
- Modeling of the gross impact of the forebay on flows routed through it, and
- Consideration of the findings in terms of possible enhancements in design and/or O&M practices associated with HCFCD facilities.

It is noted that the original expectation was to sample the wet bottom detention basin in multiple locations and aggregate results to gain a bulk estimate of retained sediments. However, the study was able to go beyond this point and obtain a basic understanding of sediment size distribution along the bottom of the forebay. Overall, the bulk deposited sediment fractions were approximately 1/3 each of sand, silt and clay. Deposited sediment fractions were found to vary systematically across the forebay, with sand settling near the inlet while silts and clays settling across the forebay adjacent to the outlet (vegetated rock gabion dam control structure). Both the field sampling program and analysis provided an overall understanding of particle transport behavior in the wet bottom detention basin forebay.



## Cameron County Beach Monitoring Cameron County, Texas

Hanson helped conduct monitoring on four sections of beach, submit an Annual Turtle Monitoring Plan, and submit a Habitat Annual Summary Report for a five-year time period. This is a multi-year project with several phases and tasks involving surveying and monitoring of the Padre Island National Seashore in Cameron County.

During the five-year lifespan of the project, tasks included:

- Develop and Submit an Annual Turtle Monitoring Plan to USACE by March 1 of each year.
- Develop and Submit an Annual Report regarding the previous year's turtle nesting statistics.
- Conduct Beach Profile Survey.
- Conduct Bird Usage Surveys and Sargassum Survey.
- Develop and Submit Annual Summaries.

The firm worked closely with Cameron County officials, US Fish & Wildlife Services (USFWS), Padre Island National Seashore (PINS), and the United States Army Corps of Engineers (USACE) to monitor beach conditions and wildlife activity.



Team Leader:  
Harrison McNeil, Hanson

Project Cost:  
\$196,775

Year of the Work:  
2014-2019

Client Contact:  
Joe Vega  
956-761-3701



## Aransas County Stormwater Management Plan Aransas County, Texas

When Aransas County and its citizens decided they needed to develop and fund a stormwater plan that could encompass the entire county and the municipalities within it, the County entrusted Hanson to provide the guidance needed. Hanson developed an integrated Stormwater Management Plan that included not just drainage components but also ecological and water quality principles of stormwater management techniques. Hanson considered this integrated approach as the “three-legged stool”. Aransas County continues to utilize the plan to this day with an adaptable approach as is necessary with any good master plan.

The plan started as a 1-page “philosophy” by the Commissioners and key stakeholders. Hanson was brought in to guide a relatively small county through the building of an entire guidance document and design manual that laid out development standards and water quality design criteria not yet seen in the Coastal Bend. The plan developed guidelines for utilizing Low Impact Development (LID) techniques to meet an established water quality criteria for the County. The plan is a shining example of proper stormwater management in coastal areas and has been subsequently used by the Center for Research in Water Resources (Dr. Michael Barrett, PE) when providing planning assistance to coastal communities and counties throughout the state.

Throughout the development of the plan, Craig Thompson, PE, the project manager, worked tirelessly with the County Engineering staff, Commissioners, members of the SWAC, and neighbors and stakeholders. Several public meetings were held to identify priority issues and to better understand stormwater management concerns throughout the county. Even without active projects, Mr. Thompson continues to attend the monthly Aransas County SWAC

Completion Date  
2013/Ongoing

Contract Cost  
\$950,00

Contact  
David J. Reid, PE, County  
Engineer  
Aransas County  
361-790-0152



## Mesquite Street Stormwater Bypass Aransas County, Texas

The Mesquite Street Bypass project may be one of the most important stormwater improvements made by Aransas County in past 20 years. The principal objectives of the project were to lower the flood water surface in the northern reaches of the Tule Creek Watershed and improve water quality in Little Bay by diverting storm runoff from the area north of FM 3036 to Aransas Bay. The outfall runs from the Railroad Channel along 12th Street to Aransas Bay, approximately 3,200 liner feet, diverting nearly 550 acres of runoff, nearly 25% of the total Tule Creek watershed area. The watershed includes property within both the Town of Fulton and Aransas County.

A significant water quality benefit has been gained by diverting this flow to Aransas Bay. In addition, several areas of concern along the Mesquite Street corridor were able to be included in the first major stormwater outfall for the Town of Fulton. These areas included 10th Street, 7th Street, the Fulton Early Childhood Learning Center, and portions along the south side of 4th Street. With the depth and size of the outfall, numerous other laterals can be extended as necessary.

Hanson was the prime consultant on the project and oversaw the preliminary engineering and hydrologic and hydraulic modeling, the construction drawing preparation, and the construction phase services. The Bypass has performed well during several recent major rain events, including several 100-year events. Hanson is proud of its work on this project and the benefits it has brought to the Town of Fulton and Aransas County.

Project Location:  
Aransas County

Services Provided:  
Coastal Environmental  
Permitting,  
Stormwater Modeling,  
Construction  
Oversight (Streets/Drainage)

Date of Completion or Project  
Status: Completed Summer  
2015

Final Construction Costs:  
\$2,026,000

Client Name & Contact Person:  
Aransas County  
County Engineer: David J. Reid,  
PE

Client Name & Contact Person:  
Nueces County  
Juan Pimentez / 361-888-0490



## Nueces County Drainage Master Plan Corpus Christi, Texas

The Hanson team was instrumental in the completion of a county-wide Master Drainage Plan. The plan included identifying key areas that historically had issues with drainage or flooding. Each of the areas was surveyed to document existing infrastructure and conditions. Complete hydrologic/hydraulic models were created for the major streams, including Oso Creek and Petronilla Creek. The final plan included recommendations for improvements, established a stormwater management policy for the County, and developed an implementation plan. In addition, the Hanson team developed a new GIS system documenting all major infrastructure within the County. The GIS system continues to be utilized and upgraded by the County. Nueces County adopted the plan and it is the current published plan used for planning purposes.

In 2018 Hanson was asked to review the draft FEMA Floodplain Maps. Hanson's assessment resulted in major changes to the final maps adapted by FEMA.

Client Name & Contact  
Person:

San Patricio Drainage District  
Michael Vanacek / 361-364-4268

## Major Maintenance Projects for the San Patricio County Drainage District San Patricio County, Texas

Hanson has assisted the San Patricio County Drainage District with major and minor ditch improvements, and stormwater facility life cycle replacement and rehabilitation since the District's formation in the early 1970s.

These projects have included assessing the condition of existing infrastructure, identifying and prioritizing alternatives for replacement, and development of a program for the replacement of the infrastructure based on available funding and resource capacity, using both the District's own forces and outside contractors when appropriate. Some of the relevant work completed within the last 5 years under this program includes:

- » Confidential Site Drainage Improvements, 2019. Work included pipeline location survey, hydraulic analysis, drainage layout design, and preparation of construction plans.
- » Green Lake Ditch Drainage Improvements, Portland, 2018. Drainage analysis of existing stormwater outfall system, Hec-Ras modeling of existing ditch and proposed ditch improvements to increase the outfall capacity to the 100 year flood event; including the design of box culverts, concrete plated ditch sections and erosion control drop structures.
- » LaQuinta Ditch Drainage Improvements, Gregory, 2017. Hydrologic and hydraulic analysis of existing LaQuinta Ditch including Hec-Ras modeling of existing and developed conditions, design of channel improvements; multiple box culvert crossings, channel plating, erosion control drop structure; pipeline relocation, and easement acquisition.
- » Doyle Ditch Outfall System, Portland, 2015. Planning, design and construction of Doyle ditch improvements including hydraulic design of open channel, concrete plating, box culverts, and erosion protection structures.
- » Avenue A Storm Sewer Replacement, Ingleside, 2015. Assessment of existing storm sewer system; construction plans for storm sewer replacement including pavement and driveway repairs, new grate inlets and outfall ditch improvements.
- » Demory Lane Storm Sewer Repairs, Aransas Pass, 2015. Assessment of existing storm sewer system; design and construction of storm sewer pipe replacement.
- » FM 893 at County Road 72 Drainage Improvements, 2014. Analysis of existing drainage system; design of new drainage improvements including box culverts and ditch widening; and additional easement acquisition.
- » Broadway Boulevard Drainage Improvements, Portland, 2013. Design of an open and closed drainage outfall system including concrete



## Disaster Recovery Supplemental Project San Patricio County, Texas

San Patricio County received a Disaster Recovery grant from the Texas General Land Office to complete drainage and roadway improvements along County Road 60 West of Old San Patricio in order to aid areas most impacted and distressed by Hurricanes Ike or Dolly. The project required a special understanding of Texas Department of Rural Affairs policy to ensure all program requirements were met. Proposed drainage improvements significantly reduced flooding.

The basic scope of the proposed construction work included, but was not limited to, the following:

- » Construction of a 50-foot concrete bridge
- » 2500 linear feet of new roadway
- » Stabilization of embankment
- » Channelization of flow to new bridge
- » Clear, grub and re-seed area after grading
- » Erosion control and traffic control

### Work Performed

- Coordination with DRS Program Management Consultant
- Preliminary and final design
- Design survey
- Field and engineering testing conducted
- Construction bidding and contract award Process

Construction Cost  
\$1,000,000

Contact  
William Zagorski  
361-364-9651





**ADDITIONAL PAST LOCAL GOVERNMENT CLIENTS**

Following is a list of additional projects performed by Hanson for local government clients.

**City of Raymondville**

- NADB/SDWSRF Design of Water Treatment Plant for the City of Raymondville, Texas

**Willacy County**

- Laguna Point Recreation Area
- Coastal Lands Resource Center
- Disaster Recovery 2018 Drainage Improvements in Lasara and Sebastian
- Housing Rehabilitation Activities

**City of Brownsville**

- BUS Improvements
- Fort Brown Bike Trail and Paving Improvements
- CIP Street and Drainage Improvements

**City of Los Fresnos**

- 2014 CDBG Sewer Street and Drainage Improvements
- Numerous projects as City Engineer
- Water and Wastewater Master Plan and BECC Step II Application

**City of Pharr**

- Water and Wastewater Master Plan
- Wastewater Collection and Lift Station Project
- Raw Water Pump Station Improvements

**City of Los Indios**

- TDCP Street and Sidewalk Improvements 2014-2015

**City of Lyford**

- CDBG Management Services 2011- 2012

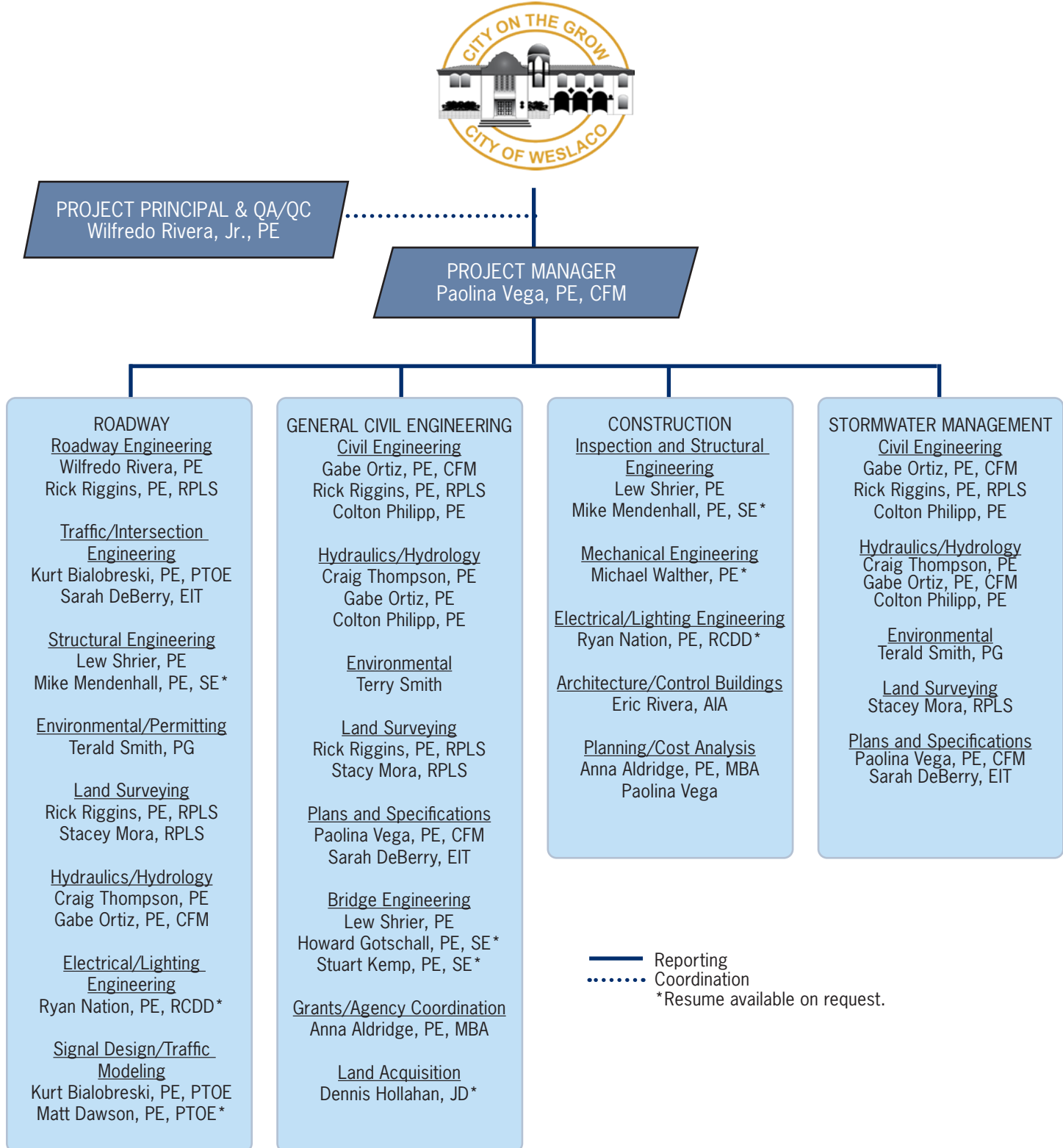
**City of La Grulla**

- TCDP Water Treatment Plant improvements 2009-2010
- Wastewater Collection System Design Project BECC Contract CONTA06-043
- TCDP 2007-2008 Street and Water System Improvements
- 

**Texas Secretary of State**

- Colonia Hook-up Program for Roma, Combes, Primera, San Benito, Mercedes, San Juan, Donna, and Del Rio

The Hanson team has been assembled to address the City's goals and objectives with an experienced, service-oriented team that keeps budget and schedule in the forefront while providing a quality product. The organizational chart below shows our proposed management and staffing structure for the City's projects.



Hanson's Texas offices include a full-time staff of over 70 professional employees including engineers, architects, surveyors and environmental scientists. The structure of the firm is such that resources from other offices are readily available with unique qualifications (water resources, MEP, structural, etc.) should the need arise.

## Paolina Vega, PE, CFM, Project Manager

Located in Hanson's Brownsville office, Ms. Vega provides over 16 years of experience in planning, permitting, design, and construction for a wide range of public sector projects. She served as the Cameron County Engineer and represented the County at the RGV MPO Technical Advisory Committee for three years. Ms. Vega's projects include stormwater design and permitting, street improvements, water, and wastewater. Projects have required coordinating with numerous agencies, including the Texas Commission on Environmental Quality (TCEQ), United States Fish and Wildlife Service (USFWS), and the Texas Historical Commission (THC). Ms. Vega has worked with TxDOT, the Community Development Block Grant program, Texas Water Development Board (TWDB), Texas Department of Housing and Community Affairs (TDHCA), and United States Department of Agriculture Rural Development (USDA-RD), which have provided funding for planning, design, and construction of infrastructure improvements.

### Relevant Project Experience

Willacy County Housing Rehabilitation Project funded by TDHCA. Project Engineer. The project consisted of the repair and reconstruction of residences affected by Hurricane Dolly within Willacy County. Specific services included Environmental Assessment, setting up accounts with funding agency, construction management, and coordinating with the Texas General Land Office (GLO) formerly (TDHCA).

City of Los Fresnos SH 100 Drainage Improvements. Project Engineer. The drainage improvements for the SH 100 Drainage Improvements included installing 288 LF of 48" RCP underneath SH 100 by open cut, two concrete headwalls, and installation of 100 LF of pedestrian guardrails. Specific services included preparing 100% Plans and Specifications, coordinating all of the Surveying Geotechnical needed for the Improvements, construction management and coordination with TXDOT and Cameron County Irrigation District No. 6.

City of Los Fresnos Hurricane Dolly Disaster Assessment. Project Engineer. The project included the assessment of damage caused by Hurricane Dolly within the city limits of Los Fresnos, Texas. Specific services included performing the windshield inspections, site assessments and preparing required forms for FEMA aid application.

City of Los Fresnos Work Order No. 2 Wastewater Collection System Improvements funded by the TWDB EDAP Program. Project Engineer. The wastewater system improvements included installing 66,850 LF of gravity line ranging in size from 8" to 21", 232 manholes, 31,500 LF of forcemain ranging in size from 4" to 12", and the reconstruction of approximately 20,135 LF of residential streets in the Town of Indian Lake. The project also included the construction of 9 new lift stations. The sanitary sewer improvements eliminated the use of septic tanks at approximately 740 single-family residences. Specific services included preparing 100% Plans and Specifications, coordinating all of the Surveying Geotechnical needed for the Improvements, construction management and coordination with TXDOT.

South Pharr Wastewater Collection System Improvements Project funded by TWDB. Project Engineer. The project included construction of three new lift stations, decommissioning of 9 existing lift stations, and the installation of new collection system components. Naismith Engineering, Inc., CH2M HILL, and J.E. Saenz & Associates, Inc., provided the professional engineering services to planning, design, and construction management of the improvements presented in the Water and Wastewater Master Plan and Engineering Feasibility Report.

City of Los Fresnos Evergreen St. Waterline Improvements. Project Engineer. The project consisted of approximately 2,845 LF of 10" PVC waterline, 9 fire hydrants assemblies, drainage ditch waterline crossing installed by open cut, and a connection of existing waterline. Specific services included preparing 100% Plans and Specifications, coordinating all of the surveying, and construction management.



### EDUCATION

BS, Civil Engineering, Texas A&M University

MBA, University of Texas, Brownsville

### YEARS OF EXPERIENCE

16

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #113357

Certified Floodplain Manager, #3281-17N

### PROFESSIONAL AFFILIATIONS

Chi Epsilon Civil Engineering Honor Society

Rotary International Club

Leadership Brownsville

Brownsville Junior Service League

## Wilfredo Rivera, PE, Project Principal & QA/QC

Mr. Rivera is an experienced project manager and team leader with over 30 years of planning, design, project management, and construction administration experience in civil engineering. He has expertise in water, wastewater, Americans with Disabilities Act, stormwater compliance, and transportation systems, as well as site development. As a senior project manager, he directly supervises the completion of plans and specifications, including the preparation and adoption of major drainage facilities and master plans, such as the development of county-wide flood control systems.

### Relevant Project Experience

Green Lake Drainage Ditch, Outfall and Spillway Improvements, Portland And Gregory, TX. Project manager. Hanson created a hydrology model (using HEC-HMS) of the Green Lake watershed in Portland, Texas, and Gregory, Texas, and developed a hydraulics analysis (using NEC-RAS) for the proposed channel and bridge crossing for the Port of Corpus Christi. Hanson also provided analysis and modeling of the adjacent LaQuinta outfall and watershed to help the Port of Corpus Christi Authority identify how the outfall and watershed can better serve the area's increasing industrial development. Project cost: \$375,000.

Nueces County Drainage Master Plan, Nueces County, TX. Project engineer overseeing the completion of the county-wide drainage master plan, which included evaluating all existing drainage infrastructure throughout the county. H/H calculations were completed to develop an overall plan. The evaluation included developing HEC-RAS models for San Petronila Creek and Oso Creek.

Staples Street Project (Antelope to Morgan), Corpus Christi, TX. Project manager. This project, as part of the Cities Bond 2012 street improvements program, included 7,000 linear feet of two travel lanes in each direction, as well as roadside parking facilities. Parts of the project were designed with heavy-duty pavement to accommodate bus traffic associated with a bus station near the Leopard Street intersection.

County Road 52 Extension (CR 69 to FM 1889), Nueces County, TX. Project manager. This project, part of the Cities Bond 2012 street improvements program and completed in association with Nueces County, included 2,600 linear feet of new asphalt roadway with a travel lane and shoulder in each direction. The project included roadside ditches, utility adjustments, as well as coordination with the Texas Department of Transportation and the Nueces County Water Control and Improvements District 5.

City of Corpus Christi Williams Drive Widening, Corpus Christi, TX. Project manager. Hanson provided design and stormwater services for the widening and expansion for Williams Drive in Corpus Christi, Texas. The three-phase project included a hydrologic and hydraulic evaluation, stormwater computer model, utility and stormwater improvements and street widening, traffic signalization, driveways and bus stop updates.

Cliff Maus Drive Phases 2 and 3, Corpus Christi, TX. Project engineer overseeing the design of two sections of roadway. The project includes the construction of roadway, curb and gutter, sidewalks, ADA facilities, storm sewers, waterlines and wastewater lines.

Yorktown Boulevard Extension, Corpus Christi, TX. Contracted to complete the plans and specifications for the construction of 4,500 linear feet of a new boulevard section with two lanes in each direction and a 26-foot median. A bridge spanning 80 feet was included in the project, as well as the construction of 5,000 feet of new hike/bike trail and access ramps along the route.



### EDUCATION

BS, Civil Engineering, Texas A&M University

### YEARS OF EXPERIENCE

30

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #81549

TxDOT Precertified

ADA Accessibility Academy

Lime Stabilization Certified

### PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

American Water Works Association

National Society of Professional Engineers



## Rick Riggins, PE, RPLS, Civil/Roadway Engineering, Surveying

Mr. Riggins has experience with civil engineering, design, surveying and project management, including utility infrastructure, public works, structural design, boundary surveying, construction layouts and land development projects. His experience also includes railroad right-of-way site mapping, highway and street right-of-way, strip mapping and acquisition, as well as easements acquisition and street and road construction subdivision design, water distribution and wastewater collection systems for a wide range of projects. Mr. Riggins has worked in both the private and public sectors. His projects have included Community Development Block Grant funding from the Texas Department of Agriculture, Texas General Land Office, Texas Water Development Board, and United States Department of Agriculture Rural Development.

### Relevant Project Experience

Brownsville Public Utilities Board. Project engineer. The project included design and construction administration of a 36-inch steel cylinder low pressure water line from the Silas Ray river pumping station to the Robindale water treatment plant. This project included routing the waterline through downtown Brownsville along the railroad right of way.

Brownsville Public Utilities Board. Project manager. The project included mapping and developing a model of the entire Valley Inn and Country Club (formerly Valley Municipal Utility District No. 1) water system. This project included developing a working computer model of the entire water system and various system improvement scenarios.

Brownsville Public Utilities Board. Project manager. The project included design and construction management of twelve lift stations and force mains, in three phases, throughout the City of Brownsville, Texas.

City of Los Fresnos Wastewater Plant Headworks Improvements. Project engineer. This project, funded by a Texas Water Development Board Grant, involved design of a new headworks and diversion box for a 2MGD wastewater plant.

El Jardin Water Supply Corporation. Project engineer. This project included mapping and developing a pressure network model of the El Jardin Water Supply Corporation's distribution system, identifying pressure problem areas and recommendations for improvements. The model was also used to determine the effects of the addition of subdivisions to the system.

Santa Maria Irrigation District No. 4. Project engineer. The project included design and construction administration of a low-pressure water line irrigation system and pumping plant from the Military Highway (US 281) main canal to the farmlands throughout the district. This project included 18-inch through 48-inch reinforced concrete waterlines with standpipes, gate valves and dual 24-inch pumps with controls and structure.

Adams Gardens Irrigation District No. 19. Project engineer. The project included design and construction administration of a low-pressure water line irrigation system to the farmlands throughout the district and a drainage pumping station at the south levee of the North Floodway in Cameron County. This project included 18-inch through 36-inch reinforced concrete waterlines with standpipes, gate valves and a 48-inch pump with controls and structure.

East Rio Hondo Water Supply Corporation. Project manager. The project included mapping and developing a model of the entire East Rio Hondo Water Supply Corporation water system. This project included developing a working computer model of the entire water system and various system improvement scenarios.

City of McAllen Utilities Board. Project manager. The project included surveying, strip mapping, and design of a 24-inch waterline along Ware Road and Freddy Gonzalez Drive and a 16-inch waterline along Oxford Road connecting to the 24-inch line at North 23rd.



### EDUCATION

BS, Zoology, Texas A&M University

BS, Civil Engineering, Texas A&M University

### YEARS OF EXPERIENCE

39

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #56304

Registered Professional Land Surveyor, Texas, #5446

### PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

## Craig Thompson, PE, Hydraulics/Hydrology

Mr. Thompson is a senior project manager who has completed numerous engineering projects in site development, utilities, stormwater management, transportation and municipal engineering. His experience includes site and subdivision development, water and wastewater system analysis and design, stormwater hydrologic and hydraulic modeling and design, as well as pavement analysis. During the past several years, Mr. Thompson has designed and coordinated numerous subdivisions, private and public developments and facilities within Corpus Christi, Texas, and the surrounding area.

### Relevant Project Experience

Aransas County Stormwater Management Plan, Aransas County, TX. Mr. Thompson was the project manager for the county's efforts in developing its initial stormwater management plan. From a single-page policy statement, Mr. Thompson helped develop a comprehensive, integrated stormwater management plan and design criteria manual for the county. Considering the "three-legged stool concept", the plan includes hydrologic and hydraulic modeling, water quality, design criteria, and ecological considerations. The plan is held up by numerous entities as the quintessential coastal stormwater management guide. Numerous projects came as a result of the plan. Hanson was there to assist with them, including: Mesquite Bypass, Tule Sediment Pond, Upper Tule Improvements, TxDOT Culvert Crossings, Palm Harbor Bulkhead and Drainage Improvements, and several others.

Portland Drainage Master Plan, Portland, TX. Mr. Thompson was the project manager for the recently completed Drainage Master Plan for the City of Portland (adopted 2016). The plan was an update since much of the infrastructure in the fully developed portions of the city were functioning as intended. Full HEC-HMS and HEC-RAS models were utilized to understand existing drainage conditions. The project team used the city's Future Land Use Plan to develop a future conditions model used to identify conveyance systems problems, propose and incorporate solutions into the models, and develop a full CIP project list with associated project costs to assist in project priorities.

Nueces County FEMA Model Updates Analysis, Nueces County, TX. Mr. Thompson was the project QA/QC manager for the county's recent efforts in identifying areas of inconsistency with the proposed FEMA flood maps. The project team reviewed all the FEMA models for the county and identified four areas of specific concern or inconsistency. For each of these areas, the project team researched the FEMA model information, provided alternative data and developed alternative models for disputing the FEMA maps at these specific locations.

City of Ingleside 2016 Bond Projects, Ingleside, TX. Mr. Thompson was the project manager for the city's drainage projects included in the 2016 bond projects. With the 2015 flooding in the city, drainage become a primary focus of the City and its bond project. Of the seven million dollars available for the bond project, more than half was used for drainage projects. Mr. Thompson designed one major outfall project (Avenue B Outfall), a neighborhood outfall upsizing project (Westlake Drainage Improvements), and key diversion channel and road crossing (Lover's Lane Drainage Improvements) that have been successfully completed. HEC-HMS and HEC-RAS models were developed for all the projects to model the existing conditions, the extent of flooding throughout the watershed, and the impact of the required improvements.



### EDUCATION

BS, Civil Engineering, Texas A&M University

### YEARS OF EXPERIENCE

23

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #89496

### PROFESSIONAL AFFILIATIONS

National Society of Professional Engineers

American Society of Civil Engineers

## Gabriel Ortiz, PE, CFM, Hydraulics/Hydrology

Mr. Ortiz has over 10 years' experience designing and managing numerous engineering projects in stormwater design, drainage studies, and site development for public and private clients in the Corpus Christi and South Texas area. He has experience in technical and computer-aided design for site improvements, stormwater conveyance, streets, and water supply and distribution systems, as well as sanitary sewer collection systems.

### Relevant Project Experience

Nueces County Master Drainage Plan, Nueces County, TX. Assistant engineer. A comprehensive drainage modeling effort including HEC-HMS and HEC-RAS was completed to develop a county-wide Master Plan and existing condition floodplain mapping, the development of an extensive GIS system, and proposed improvements to provide flood relief.

City of Corpus Christi Oso Creek Drainage Relief Project, Nueces County, TX. Project engineer. A comprehensive drainage modeling effort including HEC-HMS, HEC-RAS and GIS to create existing condition floodplain mapping, develop proposed alternatives, and develop floodplain mapping for the proposed alternatives. The HEC-RAS model included hundreds of detailed cross sections including several bridge structures which were used to make the most comprehensive model of the Oso Creek drainage system that allowed the project team to analyze several different alternatives to increase capacity within the system.

Multiple School Site Development Projects, Corpus Christi Independent School District, Corpus Christi. Project engineer responsible for developing site design improvements for multiple school sites. The projects included drainage improvements and detention facilities designed to meet City requirements. The design also included fire line loops providing fire protection and sewer line facility improvements. Hydrant capacities were modeled using Bentley Water Cad.

San Patricio Drainage District Green Lake Ditch Improvements, Portland, TX. Project engineer for stormwater modeling for the San Patricio County Drainage District Green Lake Ditch Improvements. A comprehensive drainage modeling effort including GIS and HEC-RAS was completed to develop an existing condition floodplain map, the development of multiple phases and alternatives for ditch improvements, and proposed improvements to the existing Green Lake Dam Structure.

City of Corpus Christi Bond Project - Street Improvements Phase 3, Corpus Christi, TX. Project engineer. An extensive stormwater modeling effort including GIS and StormCAD was completed to evaluate existing storm system capacities and develop proposed improvements.

City of Corpus Christi CR 52 Drainage Improvements, Corpus Christi, TX. Project engineer. An extensive stormwater modeling effort including GIS and StormCAD was completed to evaluate existing storm system capacities and develop proposed improvements.

City of Corpus Christi Staples Street Drainage Improvements, Corpus Christi, TX. Project engineer. An extensive stormwater modeling effort including GIS and StormCAD was completed to evaluate existing storm system capacities and develop proposed improvements.



### EDUCATION

BS, Civil Engineering, Texas  
A&M University - Kingsville

YEARS OF EXPERIENCE  
12

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas  
#114464

Certified Floodplain Manager

### PROFESSIONAL AFFILIATIONS

National Society of Professional  
Engineers

American Society of Civil  
Engineers

## Anna Aldridge, PE, Grant and Agency Coordination/ Planning

Located in Hanson's Corpus Christi office, Ms. Aldridge provides extensive experience in planning, permitting, design, and construction for a wide range of environmental projects including water, wastewater and stormwater design and permitting, and municipal solid waste. These projects have required coordinating with the Texas Commission on Environmental Quality (TCEQ), United States Environmental Protection Agency (EPA), and Texas Department of Health. Ms. Aldridge has worked with the EPA Construction Grants program, Community Development Block Grant program, Texas Water Development Board (TWDB), Texas Department of Housing and Community Affairs (TDHCA), BECC and NADB, which have provided funding for planning, design, and construction of infrastructure improvements.

### Relevant Project Experience

- Santa Rosa USDA Water System Improvements Preliminary Engineering Report and Environmental Report
- Santa Rosa USDA Wastewater System Improvements Preliminary Engineering Report and Environmental Report
- City Engineer for Los Fresnos
- City of La Grulla Water Treatment Plant Improvements
- City of Pharr Wastewater Collection & Lift Station Improvements, funded by BECC/ NADB
- City of Pharr 19MGD Water Treatment Plant Expansion
- City of Los Indios Street Improvements
- City of Los Fresnos Wastewater Collection System Improvements, funded by the TWDB EDAP Program
- City of Brownsville CDBG Project Drainage and Pavement Improvements for W. Madison St.
- City of Brownsville Market Square Revitalization project
- Lift Station No. 2 Site Drainage Improvements for the City of Los Fresnos
- Grant Management Services for Cities of Lyford & Los Fresnos
- South Pharr Wastewater Collection System Improvements Project, funded by TWDB
- Los Fresnos Raw Waterline Improvements, funded by USDA
- Los Fresnos Water Treatment Plant Improvements, funded by USDA
- Willacy County Housing Rehabilitation Project, funded by TDHCA
- Comprehensive Colonia Planning Studies for Real, San Patricio, Nueces and Webb Counties
- TWDB Facility Engineering Planning for San Patricio County, City of La Grulla, City of Ingleside on the Bay, City of Los Fresnos



### EDUCATION

BS, Industrial Engineering, Texas A&M University College Station

MBA, University of Texas, Brownsville

### YEARS OF EXPERIENCE

33

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #82867

### PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Texas Society of Professional Engineers

National Society of Professional Engineers

Certified TxCDBG Administrator



## Kurt Bialobreski, PE, PTOE, Traffic Engineering

Mr. Bialobreski's transportation planning and engineering design experience encompasses traffic signal design and complete street projects throughout the Midwest. He specializes in modernizing aging infrastructure involving complex intersection design, traffic signal modifications and upgrades, and introducing modern pedestrian/bicycle facilities.

### Relevant Project Experience

Kane County Division of Transportation Randall Road (CH 34) HSIP Project, Kane County, IL. Project manager for the design of 27 signalized intersections.

Village of Morton North Morton Avenue Signal & Interconnect Improvements, Morton, IL. Project manager.

IDOT I-57 at 6000 North Interchange, Bourbonnais, IL. Traffic engineer responsible for IDS revisions and quality control of traffic signal design. Traffic signal design included the installation of two new traffic signals with one of the traffic signals including pre-signals and pre-preemption for an at-grade railroad crossing.

City of Peoria Northmoor Road Improvements (Allen to University), Peoria, IL. Traffic engineer and quality control. The traffic signal design included PROWAG accommodations, upgrades to the intersection of Allen Road and Northmoor Road, reconfiguration and signalization of the entrance to Northmoor Elementary School and Exposition Gardens, and installation of a Rectangular Rapid Flashing Beacon mid-block crossing of Northmoor Road at Richwoods High School.

Champaign-Urbana Area Multimodal Corridor Enhancement (MCORE) TIGER IV Grant Project, Champaign County, IL. Project/traffic engineer. The proposed improvements update the cross-section of each street to create a more balanced and complete street network that supports safe and efficient transportation of pedestrians, bicycles, transit, and vehicles. Traffic signals were redesigned with that objective in mind and included pedestrian scramble phases, leading pedestrian interval phases, two-stage bike boxes, and infra-red detection systems for bicyclists, pedestrians, and vehicles.

City of Galesburg Carl Sandburg Drive & North Broad Street Intersection Improvements, Galesburg, IL. Project Manager. The project included the design and reconfiguration of a skewed intersection to maintain a 35 mph design speed during a proposed green light condition, traffic signal, radio interconnect system along Carl Sandburg Drive between Henderson Street and Seminary Street, and the traffic signal timing plan for the Carl Sandburg Drive corridor.

City of Peoria TIGER II Downtown Warehouse District Complete Streets, Peoria, IL. Assistant project manager/traffic engineer for the design and construction of a Complete Street network in Peoria's Downtown Warehouse District. The project has improved the local road system to encourage walking trips through sidewalk and streetscape improvements in support of mixed-use development on the 185-acre site.

Village of Morton Bicycle Trail Implementation Plan, Morton, IL. Project engineer. Hanson provided engineering services for an implementation plan to determine the recommended bike trail facility connecting 15 destinations within the Village of Morton planning boundaries. Bike trail facility recommendations were based upon the type of user, existing transportation infrastructure, existing roadway functional classification, available right-of-way, and location of existing routes within the planning boundaries of the Village.



### EDUCATION

BS, Civil Engineering, University of Illinois Champaign-Urbana

### YEARS OF EXPERIENCE

17

### PROFESSIONAL REGISTRATIONS

Professional Engineer, IL, FL

Professional Traffic Operations Engineer

### PROFESSIONAL AFFILIATIONS

Institute of Transportation Engineers

City of Pekin Chamber of Commerce Transportation Committee

American Road & Transportation Builders Association

American Public Works Association

American Society of Civil Engineers (ASCE)

## J. Eric Rivera, AIA, Architecture

Mr. Rivera has over 20 years of architectural experience. During this time, he has honed his skills in areas such as master planning (for campuses and parks), space planning/interior design, building and site feasibility studies, new construction, renovations and accessibility improvements of commercial and private buildings, high-end residential work, public transportation projects, and city and municipal projects.

### Relevant Project Experience

Willacy County Resource Center, Port Mansfield, TX. Project architect for a new 1,700-square-foot, elevated wood structure with surrounding observation deck (880 square feet of total deck space) for the Laguna Point Recreation Area park to serve as the park office, park ranger outpost and small events and coastal habitat education center. Under construction.

Padre Balli Phase I Improvements, Nueces County, Coastal Parks Department, Corpus Christi, TX. Project team architect. Designed a new 1,100-square-foot bath house to replace an existing one. This facility will serve the RV park's new expansion. It includes four individual restrooms, four private shower rooms, a guest laundry room and a park maintenance storage/service room. This bath house unit will be replicated as the park continues to expand. Under construction.

Lake Texana Nature Center, Lavaca Navidad River Authority. Lake Texana Park, Edna, Texas. Project architect. The schematic design of a new nature center to replace the existing facility in the Park. It will contain a large, divisible classroom, improved capabilities to maintain live animal exhibits, a 500-square-foot exhibition area, ample outdoor deck space for visitors to lounge or to hold meetings, special events, or classes. The facility will also serve a supportive role in the future 150-seat outdoor amphitheater to be built in close proximity.

Schleicher County Park and Swimming Pool Improvements, Eldorado, TX. Project architect. Hanson developed a comprehensive park and open-space master plan for the County as well as the related preliminary design and cost estimates, and assisted in preparing grant applications for the project funding. The application led to a successful grant award of \$500,000 to apply to the improvements. With the funds, Hanson helped the County realize a new pool facility on the existing park grounds that included a new swimming pool, pump house and 1,100-square-foot bath house as part of the larger park improvement project.

Orange Grove City Hall Building, Orange Grove, TX. Project manager. This insulated concrete form-constructed facility includes the City Administration, Utilities and Municipal Court Administration offices, as well as the City's police department. The entire second floor serves as storage and provides for expansion. It is designed to withstand potential weather threats in order to serve as the emergency operations center in the event of a local disaster.

Nueces County Johnny S. Calderon Building Renovations, Robstown, TX. Project architect for renovation of Justice of the Peace (JP), Precinct 5, Place 1, which included an expansion of the JP courtroom and the relocation and expansion of the adult probation offices within an existing municipal building.

Aransas County Texas Agrilife Extension Service Office Building, Fulton, TX. Project architect. This facility is a 5,000-square-foot, fully conditioned and accessible metal building consisting of administrative offices, activity and program storage, support spaces, a learning kitchen and a 1,830-NSF multifunction room with direct access to the outdoors



### EDUCATION

BS, Environmental Design,  
Texas A&M University, College  
Station

### YEARS OF EXPERIENCE

24

### PROFESSIONAL REGISTRATIONS

Architect, Texas, #20698

### PROFESSIONAL AFFILIATIONS

American Institute of Architects  
(AIA)

Texas Society of Architects

AIA Corpus Christi Chapter

## Colton Phillipp, PE, Roadway/Civil Engineering, Hydrology/Drainage

Mr. Phillipp's experience encompasses general civil engineering design, including site development and drainage systems. As an engineer in training, he primarily serves the infrastructure market through the direct completion of plans and specifications. Mr. Phillipp is proficient in AutoCAD Civil 3D, ArcMap GIS, HEC-HMS, HEC-RAS, Adobe Acrobat, Microsoft Excel, Microsoft Word and Microsoft PowerPoint. He is also versed in technical writing expectations of proposals, presentations, lab reports and other documents.

### Relevant Project Experience

Terry Shamsie Boulevard, Robstown, TX. Mr. Phillipp assisted with the preparation of plans for the reconstruction of the Terry Shamsie Boulevard leading to the Richard M. Borchard Regional Fairgrounds. The reconstruction of the boulevard was necessary to allow for the increase in traffic serving the Outlet Malls site currently under construction. Project tasks included site grading, drainage system improvements and street design.

Portland-Drainage Master Plan, Portland, TX. Mr. Phillipp served directly under a professional engineer in the design and planning of a drainage study of the entire City of Portland, Texas, including the creation of hydrologic and hydraulic models for pre-development and post-development conditions. Planning included the determination of watershed boundaries and phasing of proposed improvements with associated cost estimating. Designing included the sizing and routing of proposed culverts and channels necessary for the City's 20-year development.

2015 Bond Projects, Ingleside, TX. Mr. Phillipp is serving directly under a professional engineer in the design and planning of a drainage system along Avenue B in Ingleside, Texas. Planning includes the determination of watershed boundaries and phasing of proposed improvements with associated cost estimating. Designing includes the creation of hydrologic and hydraulic models for pre-development and post-development conditions, as well as plans for construction of the proposed drainage improvements.

Lover's Lane Drainage Improvements, Ingleside, TX. Mr. Phillipp served directly under a professional engineer in the design and planning of a drainage outfall system in Ingleside, Texas. Planning included the determination of watershed boundary and cost estimating of the proposed improvements. Designing included the creation of Hydrologic model for current conditions, as well as plans for construction of the proposed drainage improvements and paved facilities.

Palm Harbor Area Drainage Improvements, Aransas County, TX. Mr. Phillipp is serving directly under a professional engineer in the design and planning of a drainage outfall system in Aransas County, Texas. Planning included the determination of watershed boundaries and cost estimating of the proposed improvements. Designing includes the creation of a hydrologic model for current conditions, as well as the sizing and routing of proposed culverts and channels.

City of Portland Drainage Master Plan, Portland, TX. Mr. Phillipp served directly under a professional engineer in the design and planning of a drainage study of the entire City of Portland, including the creation of hydrologic and hydraulic models for pre-development and post-development conditions. Planning included the determination of watershed boundaries and phasing of proposed improvements with associated cost estimating. Designing included the sizing and routing of proposed culverts and channels necessary for the City's 20-year development.



### EDUCATION

BS, Biological and Agricultural Engineering, Texas A&M University

### YEARS OF EXPERIENCE

5

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #132226

## Terald Smith, PG, Environmental

Mr. Smith has over 36 years of environmental regulatory compliance experience with extensive experience in environmental multi-discipline project management and compliance strategies for federal and state environmental statutes and regulations. Mr. Smith has personal involvement with various regulatory agencies and is very familiar with air, water, soil, sediment and biological sampling, preservation and analytical techniques. Mr. Smith performed many permitting projects including air emissions modeling and permitting of four combined cycle combustion turbines, wastewater permit renewals for coal and gas fired power plants, petroleum refinery and primary metals processors, and municipal and industrial solid waste permitting. He has performed environmental assessments for linear projects including electrical transmission lines and railroads, including NEPA and EPA "All Appropriate Inquiry" style investigations.

### Relevant Project Experience

**Disposal Well with Substances from Transformer Repair Facility.** Directed a preliminary site investigation at a very shallow disposal well which had received several regulated substances at a transformer repair facility. Developed a remediation plan to satisfy state requirements and supervised all phases of remediation.

**Refinery Inspection & Compliance Evaluation.** Managed this project which involved the development and documentation of various procedures necessary for the compliance with state and federal wastewater permit and regulatory requirements at a major fuels and specialty chemical refinery. Developed many of the wastewater management procedures used in the development of the system. Developed training materials and performed training of refinery personnel.

**Combustion Turbine Permits.** Assisted in developing information necessary for state and federal air permits required to construct and operate four 75 megawatt simple cycle combustion turbines.

**High Efficiency Boiler Incineration of PCB Contaminated Mineral Oils.** Responsible for the environmental and engineering feasibility study to retrofit an industrial steam boiler to meet requirements for the High Efficiency Boiler incineration of PCB contaminated mineral oils. Also supervised the development of Texas Air Control Board "special permit" application involving emissions calculations. Public participation in the form of presentations to civic and public school groups were a part of the effort.

**Phase II Environmental Site Assessment.** Acted as the project manager and provided technical guidance for the performance of an extensive surface and subsurface investigation at an industrial primary metals processing plant. The project included the installation and sampling of soil borings and monitor wells at a 1,000 acre plant site and the sampling of monitor wells at a 1,200-acre waste placement area. Evaluated the groundwater flow direction and geochemical makeup, and the presence of anthropogenic influences from the operation of the facilities. The project was conducted as part of a due diligence coinciding with the purchase of the facility to document the current status of historical activities and to assign environmental liability for those historic activities. The fast-track project was initiated and completed in six weeks and within the originally estimated budget amount.



### EDUCATION

BS, Physics, Ouachita Baptist University

MSE, Biology, Ouachita Baptist University

Post Graduate Course Work:  
Computer Science and Biology,  
Corpus Christi State University  
(TAMU-CC); Physics, Texas A&M  
University (TAMU-Kingsville)

### YEARS OF EXPERIENCE

36

### PROFESSIONAL REGISTRATIONS

Professional Geoscientist, TX  
#1456

Corrective Action Project  
Manager

UST A&B On-Site Supervisor

OSHA HAZWOPER 40-hour Cert.

MSHA Experienced Miner

### PROFESSIONAL AFFILIATIONS

National Groundwater  
Association



## Lew Shrier, PE, Structural Engineering

Mr. Shrier's over 40 years of structural engineering and consulting experience have encompassed projects from all levels of the public and private sectors. He has successfully completed major projects in the following building categories: technology facilities, biomedical manufacturing plants, micro-electronics facilities, medical and hospital projects, public projects for a variety of federal, state, county and municipal government agencies, secondary and university level educational facilities, correctional facilities, military facilities and commercial office/retail projects. Mr. Shrier has also served as an on-site construction specialist/field representative on large multi-structure/multi-contractor projects, he has had the responsibility of being a principal of a design-build construction company, and he has been project manager for port and waterways facilities projects.

### Relevant Project Experience

City of Los Fresnos Wastewater Treatment Plant Expansion to 2MGD, Los Fresnos, TX. This project consisted of eight significant concrete structures, many of which were partially below-grade, liquid-containing structures. Structures constructed as part of this project included a flow diversion structure, oxidation ditch, 78-foot-diameter clarifier, scum lift station, sludge return pumps, chlorine contact basin, sulfur dioxide facility, chlorine facility, sludge dewatering basin, sludge drying beds and stand-by electrical generator, chemical tank pads and containment structures, assorted sumps and pump stations, as well as repairs to the existing structures.

City of Raymondville New 4.5 MGD Water Treatment Plant, Raymondville, TX. This project consisted of seven separate concrete structures. Many were partially below-grade, water-containing structures. Above-ground structures were pre-engineered metal buildings on slab-on-grade foundations. Structures constructed as part of this project included a raw water pump station, sedimentation basin (75 feet by 216 feet by 20 feet deep), filter structure, office building and pipe gallery, transfer pump station, chemical building and containment basins.

San Patricio County Fairgrounds, Sinton, TX. Project manager and project structural engineer. This project is a multi-functional fairground and conference facility on the existing fairgrounds property. Buildings included are a 17,000-square-foot banquet hall, 55,000-square-foot show ring/steer barn, 35,000-square-foot A&H building, a 94,000-square-foot equestrian arena, a 50,000-square-foot, 200-stall horse barn and a 2,600-square-foot barbecue facility. A full commercial kitchen was incorporated into the banquet hall, and full-service concession areas were included in the show ring and equestrian arena. All site drainage, utilities, roadways and parking areas were designed for the present construction plus planning for future expansion of the facilities.

Corpus Christi Regional Transportation Authority Customer Service Center, Corpus Christi, TX. Structural engineer. Hanson provided civil/site design engineering and structural engineering for the development of a new 5-acre customer service center for the Corpus Christi Regional Transportation Authority. The facility included a new office building, bus transfer station, and associated parking facilities. The high bus traffic dictated the use of heavy-duty pavement for the station and adjacent roadways. The scope of services included roadway and pavement design, signing and striping design, hydrologic and hydraulic analysis, utility coordination, drainage design, permit and construction documents preparation, construction administration, subsurface utility engineering coordination, surveying and heavy-duty pavement.

Joe Fulton International Trade Corridor, Corpus Christi, TX. Project manager. Hanson provided civil engineering and surveying services for this project, including design, surveying, coordination with the Texas Department of Transportation (TxDOT), construction assistance, coordination with the Union Pacific Railroad for an overpass, utility locations and adjustments, property boundaries, pavement design, and hydraulic analysis and design for stormwater drainage on the project site and adjacent land.



### EDUCATION

BS, Architectural Engineering,  
University of Texas Austin

### YEARS OF EXPERIENCE

41

### PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas,  
#54578, Oregon

### PROFESSIONAL AFFILIATIONS

Structural Engineers Association  
of Texas

## Sarah DeBerry, EIT, Roadway Engineering

Mrs. DeBerry joined Hanson in 2019 as a civil engineer graduate. She has experience managing and developing aspects of planning, right of way, PS&E and construction phase services for major Texas Department of Transportation and municipal highway improvement projects. She is also an active member of the ASCE-Rio Grande Valley chapter.

### Relevant Project Experience

City of Brownsville, SH 48, etc., Brownsville, TX. Design engineer for this two intersection traffic signal improvement project. Assisted in plans production for plan sheets and signal layout sheets; coordinated and facilitated survey services and meetings with the City of Brownsville.

Texas Department of Transportation, Bryan, SH OSR, Brazos County, Texas. Lead production engineer for this 25-mile, \$3.8 million PS&E rehabilitation and widening. Developed horizontal and vertical alignments and cross sections; created 3D corridors, templates and superelevation files in OpenRoads; generated signage along OSR using the SHSD and TxMUTCD; developed driveway and utility exhibits for TxDOT; reviewed and marked up subconsultant plans; and managed plans production for TCP Roll Plots and driveway profiles.

Texas Department of Transportation, Abilene, CR 283, Lamar & Delta Counties, Texas. Design engineer on this 0.256-mile, \$0.56 million rural bridge replacement project. Designed grading layouts, plans production for removal, plan and profile sheets, bridge layouts, summary of quantities sheets, typical sections, and cross sections.

Texas Department of Transportation, Laredo, State Loop 480, Eagle Pass, TX. Design engineer for this 7-mile, \$3 million State Loop 480 extension from US 57 to US 277 new construction project. Created plans production for plan and profile sheets, removal sheets, traffic control plan, driveway profiles, ditch analysis; and developed intersection layout sheets.

AIA Engineers, LTD. US 283, Albany, TX. Design engineer for this 17-mile, \$124,000, rural drainage project. Developed parallel culvert analysis and drainage plans production for cross culvert layouts, BCS and summary of quantities sheets.

City of Los Indios, Planning and Capacity Study, Cameron County, Texas. Lead production engineer for this planning and capacity study, \$30,000 project. Compiled and analyzed economic and population data for the City of Los Indios. Reviewed and marked up report chapters, tables, figures, and exhibits.

Indiana Department of Transportation, Crawfordsville, SR 38, Tippecanoe & Clinton County, Indiana. Lead production engineer for this 11-mile, \$2.8 million PS&E rehabilitation and preventative maintenance. Calculated and reviewed horizontal and vertical stopping sight distances and cross sections; created 3D corridors, templates and proposed right-of-way in OpenRoads; developed driveway and utility exhibits for TxDOT; reviewed and marked up subconsultant plans; designed and coordinated right-of-way acquisition and engineering; and managed plans production for Level One checklists and Stage One Submittal.

Indiana Department of Transportation, Crawfordsville, US 52, Benton County, Indiana. Design engineer on this 8.4-mile, approximately \$1.1 million preventative maintenance and minor structural project. Designed plans production for maintenance of travel (MOT), plan and profile sheets, summary of quantities sheets, typical sections, utilities coordination, and cross sections. Reviewed and marked up Level One documents, Engineer's Report, and Stage One plans.



### EDUCATION

BS, Civil Engineering, Texas Tech University

### YEARS OF EXPERIENCE

3

### PROFESSIONAL REGISTRATIONS

Engineer in Training, Texas #61254

### PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

## Stacey Mora, RPLS, Surveying

Ms. Mora has 15 years of varied professional land surveying experience that includes large boundary surveys, topographic surveys, route surveying, in-depth research capabilities, FEMA elevation certificates, ALTA/ACSM land title surveys and managing survey projects from beginning to end.

### Relevant Project Experience

Numerous Roadway projects in Corpus Christi, including South Staples Street, Williams Drive, Gollihar Road and Horne Road, Corpus Christi, TX. Research for current right-of-way information and land owner information, boundary surveys and topographic surveys were performed on the above mentioned projects. Ms. Mora has also overseen all surveying for numerous subdivision developments, such as Bay Landing Unit 1, and Sandy Creek.

Nueces County Beach Monitoring, Nueces County, TX. Currently working with Nueces County performing the required beach width and topography surveys per their USACE permit. This quarterly sampling has been performed for the past year, and initial survey results and transects have been produced.

Palalote Wind Farm Project, San Patricio County, TX. In charge of creating right-of-way exhibits and metes and bounds description to acquire easements for all underground electric lines for the wind turbines.

Nueces County Coastal Parks, Nueces County, TX. Project manager for a 50-acre boundary survey that adjoined Texas state-owned land.

Packery Heights, Corpus Christi, TX. Worked with the boundary and topographic surveying of the 38 acres of land to be developed on Packery Channel.

JFK Causeway, Corpus Christi, TX. Involved with the City of Corpus Christi in locating existing utilities near the JFK Causeway to create easements across State-owned land for the Texas General Land Office.

Nueces Bay Power Plant, Barney Davis Power Plant and Laredo Power Plant. Supervised the ALTA/ACSM Land Title Surveys for both sites and created metes and bounds descriptions for easements for the Nueces Bay Power Plant.

City of Corpus Christi Williams Drive Street Improvements, Corpus Christi, TX. Supervised and participated in the research and boundary determination for approximately three miles of street improvements and all required utility locations for associated future utility adjustments.

Paul Jones Youth Sports Complex, Corpus Christi, TX. A City of Corpus Christi 37-acre project. Supervised the boundary survey, topographic survey with one foot contours and the platting of this project.

Ingleside Corridor, Ingleside, TX. Supervised and participated in the research and boundary determination on the land involved with the corridor crossing.

Alice Multi-Use Facility, Alice, TX. This project required boundary survey and topographic survey, easement preparation with metes and bounds descriptions, construction staking and setting permanent bench marks.

Pipeline Project, Confidential Client. Performed topographic and boundary surveying needed for removal and/or installation of pipelines along an approximate eight-mile route crossing private lands, major highways and creeks.



### EDUCATION

BS, GIS, Geomatics, Texas A&M University, Corpus Christi

### YEARS OF EXPERIENCE

15

### PROFESSIONAL REGISTRATIONS

Registered Professional Land Surveyor, Texas #6166

### PROFESSIONAL AFFILIATIONS

Texas Society of Professional Surveyors, Vice President, Chapter 12, 2017-2018

National Society of Professional Surveyors

## REFERENCES

The following contacts can provide additional feedback on Hanson's past project performance:

### **Doroteo Garcia**

Assistant City Engineer, City of Brownsville  
404 E. Washington Street  
Brownsville TX 78520  
956-541-1012  
doro@cob.us

### **Mark Milum**

City Manager, City of Los Fresnos,  
200 N. Brazil Street  
Los Fresnos, TX 78566  
956-233-5768  
mmilum@citylf.us

### **Ricardo Cavazos**

Mayor Pro-Tem, City of Los Indios  
109 E. 6th Street  
Los Indios, TX 78567  
956-399-4255  
rickcavazos5@yahoo.com

### **Celina Gonzales**

City Manager, City of Primera  
22893 N. Stuart Place Road  
Primera, TX 78552  
956-423-9654  
cgonzales@cityofprimera.com

### **Javier Mendez**

Director of Parks and Recreation  
City of Harlingen  
502 E. Tyler  
PO Box 2207  
Harlingen, TX 78550  
956-216-5951  
jmendez@myharlingen.us

### **William Donnell**

Public Works Director  
City of Kingsville  
PO Box 1458  
Kingsville, TX 78364  
361-595-8041  
wdonnell@cityofkingsville.com

### **James Sutton**

Mayor, City of Kenedy  
303 W. Main Street  
Kenedy, TX 78119  
830-299-5197  
sutton@cityofkenedy.org

### **Hon. Aurelio "Keter" Guerra**

Willacy County Judge  
576 W. Main Avenue  
Raymondville, TX 78580  
956-689-3393  
aurelio.guerra@co.willacy.tx.us

### **John Hernandez, PE**

San Patricio County Engineer  
400 West Sinton Street #109  
Sinton, TX 78387  
361-364-9301  
jhernandez@co.san-patricio.tx.us

### **Tyner Little**

Governmental Affairs, ADA Coordinator  
Nueces County Courthouse  
901 Leopard Street  
Corpus Christi, TX 78401  
361-960-6363  
tyner.little@nuecesco.com

### **J.M. Edmonds**

Director of Engineering Services  
City of Corpus Christi  
1201 Leopard Street  
Corpus Christi, TX 78401  
jeffe@cctx.com



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|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| <b>SAM Search Results</b><br><b>List of records matching your search for :</b><br><br><b>Record Status: Active</b><br><b>DUNS Number: 044229284</b> |                                                    |                             |
| <b>ENTITY</b>                                                                                                                                       | Hanson Professional Services Inc.                  | Status: Active              |
| DUNS: 044229284                                                                                                                                     | +4:                                                | CAGE Code: 0D3E5 DoDAAC:    |
| Expiration Date: 10/01/2020                                                                                                                         | Has Active Exclusion?: No                          | Debt Subject to Offset?: No |
| Address: 1525 S 6th St<br>City: Springfield<br>ZIP Code: 62703-2801                                                                                 | State/Province: ILLINOIS<br>Country: UNITED STATES |                             |

# REQUIRED FORMS



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
12/04/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                           |  |                                                                                                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PRODUCER</b><br>TROXELL<br>214 South Grand Ave West<br>P.O. Box 3757<br>Springfield IL 62704           |  | <b>CONTACT NAME:</b> Heidi Gibson<br><b>PHONE (A/C, No, Ext):</b> (217) 321-3219 <b>FAX (A/C, No):</b> (217) 321-4219<br><b>E-MAIL ADDRESS:</b> hgibson@troxellins.com                                              |  |
| <b>INSURED</b><br>Hanson Professional Services Inc.<br>1525 South 6th Street<br>Springfield IL 62703-2801 |  | <b>INSURER(S) AFFORDING COVERAGE</b><br><b>INSURER A:</b> Cincinnati Insurance Company <b>NAIC #</b> 10677<br><b>INSURER B:</b><br><b>INSURER C:</b><br><b>INSURER D:</b><br><b>INSURER E:</b><br><b>INSURER F:</b> |  |

**COVERAGES** **CERTIFICATE NUMBER:** CL1911430832 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                      | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          | EPP0520969    | 01/01/2020              | 01/01/2021              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>\$ |
| A        | <input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY |           |          | EBA0520969    | 01/01/2020              | 01/01/2021              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                                                                 |
| A        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0                                                     |           |          | EPP0520969    | 01/01/2020              | 01/01/2021              | EACH OCCURRENCE \$ 10,000,000<br>AGGREGATE \$ 10,000,000<br>\$<br><input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER                                                                                               |
| A        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                          | Y/N       | N/A      | EW0473222     | 01/01/2020              | 01/01/2021              | <input checked="" type="checkbox"/> E.L. EACH ACCIDENT \$ 1,000,000<br><input type="checkbox"/> E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br><input type="checkbox"/> E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                    |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Proof of Coverage

### CERTIFICATE HOLDER

|                                                                                      |
|--------------------------------------------------------------------------------------|
| Hanson Professional Services Inc.<br>1525 South Sixth Street<br>Springfield IL 62703 |
|--------------------------------------------------------------------------------------|

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Michael A. Hill*

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# REQUIRED FORMS



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
12/12/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                            |  |                                                                                                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PRODUCER</b><br>Holmes Murphy and Associates<br>- Peoria<br>311 S.W. Water Street<br>Suite 211<br>Peoria, IL 61602-4108 |  | 1-800-527-9049<br><b>CONTACT NAME:</b> Linda Bomarito<br><b>PHONE (A/C, No. Ext):</b> 309-282-3903<br><b>FAX (A/C, No):</b> 866-501-3945<br><b>E-MAIL ADDRESS:</b> lbomarito@holmesmurphy.com |  |
| <b>INSURED</b><br>Hanson Professional Services Inc.<br><br>1525 South 6th Street<br><br>Springfield, IL 62703              |  | <b>INSURER(S) AFFORDING COVERAGE</b><br><b>INSURER A:</b> XL SPECIALTY INS CO<br><b>INSURER B:</b><br><b>INSURER C:</b><br><b>INSURER D:</b><br><b>INSURER E:</b><br><b>INSURER F:</b>        |  |
|                                                                                                                            |  | <b>NAIC #</b><br>37885                                                                                                                                                                        |  |

### COVERAGES

**CERTIFICATE NUMBER:** 57948150

**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                | ADDL SUBR INSD WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|-------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |                    |               |                         |                         | EACH OCCURRENCE \$<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$<br>MED EXP (Any one person) \$<br>PERSONAL & ADV INJURY \$<br>GENERAL AGGREGATE \$<br>PRODUCTS - COMP/OP AGG \$<br>OTHER: \$ |
|          | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                |                    |               |                         |                         | COMBINED SINGLE LIMIT (Ea accident) \$<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>OTHER: \$                                    |
|          | <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR<br><b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE<br>DED <input type="checkbox"/> RETENTION \$                                                                                                      |                    |               |                         |                         | EACH OCCURRENCE \$<br>AGGREGATE \$<br>OTHER: \$                                                                                                                                                 |
|          | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                       |                    |               |                         |                         | PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/><br>E.L. EACH ACCIDENT \$<br>E.L. DISEASE - EA EMPLOYEE \$<br>E.L. DISEASE - POLICY LIMIT \$                                |
| A        | <b>Professional Liability</b><br>(Claims Made)                                                                                                                                                                                                                   |                    | DPR9953116    | 01/01/20                | 01/01/21                | Each Claim 10,000,000<br>Aggregate 10,000,000                                                                                                                                                   |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Proof of coverage

### CERTIFICATE HOLDER

Hanson Professional Services Inc.  
  
 1525 South Sixth Street  
  
 Springfield, IL 62703  
  
 USA

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Linda Bomarito*

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ACORD 25 (2016/03)  
 lbomaritoil  
 57948150

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| <b>CONFLICT OF INTEREST QUESTIONNAIRE</b><br><b>For vendor doing business with local governmental entity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        | <b>FORM CIQ</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| <p><b>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</b></p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>                                                                                                                                                                                                                                                                                                             | <b>OFFICE USE ONLY</b> |                 |
| <p><b>1 Name of vendor who has a business relationship with local governmental entity.</b></p> <p>Hanson Professional Services Inc. has no existing business relationship with the city.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Date Received</p>   |                 |
| <p><b>2</b> <input type="checkbox"/> <b>Check this box if you are filing an update to a previously filed questionnaire.</b> (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                 |
| <p><b>3 Name of local government officer about whom the information is being disclosed.</b></p> <p style="text-align: center;">None.</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Name of Officer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                 |
| <p><b>4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.</b></p> <p style="margin-top: 20px;">A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="margin-left: 100px;"> <input type="checkbox"/> Yes      <input type="checkbox"/> No      N/A         </p> <p style="margin-top: 20px;">B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?</p> <p style="margin-left: 100px;"> <input type="checkbox"/> Yes      <input type="checkbox"/> No      N/A         </p> |                        |                 |
| <p><b>5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.</b></p> <p style="margin-top: 20px;">N/A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                 |
| <p><b>6</b> <input type="checkbox"/> Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                 |
| <p><b>7</b></p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p>_____<br/>Signature of vendor doing business with the governmental entity</p> </div> <div style="text-align: center;"> <p>09/10/2020</p> <p>_____<br/>Date</p> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                 |



### Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Hanson Professional Services Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

Wilfredo Rivera, Jr., PE, Vice President  
Printed Name and Title of Contractor's Authorized Official

8/20/2020  
Date

STATEMENT OF CONFLICTS

No potential conflicts of interest have been identified between Hanson Professional Services Inc. or its key employees and City of Raymondville.

  
\_\_\_\_\_  
Signature of Contractor's Authorized Official

Wilfredo Rivera, Jr., PE, Vice President  
Printed Name and Title of Contractor's Authorized Official

8/20/2020  
Date





## STATEMENT OF QUALIFICATIONS

800 N. Shoreline Boulevard, Suite 1600N  
Corpus Christi, Texas 78401  
361-561-6500

# CITY OF WESLACO

## Engineering/Architectural/Surveying Services for CDBG-MIT Disaster Recovery Program

RFQ 2019-20-24 | September 10, 2020





September 10, 2020

City of Weslaco  
Homer Rhodes  
Purchasing Manager  
255 South Kansas Avenue  
Weslaco, Texas 78596

**RE: RFQ 2019-20-24 Engineering/Architectural/Surveying Services for CDBG-MIT Disaster Recovery Program**

Dear Mr. Rhodes:

Freese and Nichols, Inc. (FNI) is pleased to submit our Statement of Qualifications (SOQ) to the City of Weslaco (the City) to provide engineering, architectural, and surveying services. FNI understands the City will apply to the Texas General Land Office (GLO) for Community Development Block Grant Mitigation (CDBG-MIT) funds to deliver projects that reduce the risks and impacts of future flood disasters and increase the resilience of municipal facilities in the City of Weslaco. In addition, FNI has in-depth experience in developing projects that feature water and wastewater infrastructure, stormwater management, transportation systems and urban development. FNI has assembled a comprehensive project team to serve as the City's trusted technical advisor. In coordination with your grant management and administration consultant, FNI will assist you with the development of CDBG-MIT applications to the GLO and provide both pre-funding and post-funding engineering and construction services you require to deliver these projects.

FNI is the oldest, and one of the most stable and trusted engineering firms in Texas, providing engineering services for more than 126 years. Our in-house capabilities create an extension of services for clients expanding, upgrading, innovating and/or otherwise improving the performance and resiliency of their water resources-related infrastructure. In this SOQ, we have detailed why the FNI team is the best choice for this project, including:

**Municipal Experience:** FNI has been a municipal-focused firm since our inception and more than 80 percent of our work comes from repeat municipal clients. After more than 126 years in business, FNI remains a trusted advisor to municipalities for cost-effective, sustainable A/E solutions and program/construction management. FNI has worked with hundreds of municipal clients in the development and management of capital improvement projects for municipal facilities, parks and greenways, water and wastewater infrastructure, stormwater management, transportation systems and urban development. We focus on serving public sector clients, and often turn away work that will conflict with the long-standing relationships with our municipal clients.

**Projects Assessed and Designed for Constructability:** FNI is one of the region's trusted experts in the field of design and construction of complex water structures. FNI has provided more professional services on more Texas water systems and municipalities than any other firm in Texas. We have solid experience providing long-lasting, functional facilities, while keeping the budget in mind by performing constructability assessments and using proven design concepts and control systems, such as performing constructability reviews at all major design milestones. As an industry leader in water infrastructure design, planning, treatment, storage, transmission and distribution, FNI provides innovative solutions that maximize value.



City of Weslaco  
September 10, 2020  
Page 2 of 2

**State and Federally Funded Projects:** FNI has experience working with the Texas Water Development Board (TWDB), Texas Department of Agriculture, the Environmental Protection Agency, FEMA, Texas General Land Office (GLO) and other agencies to assist clients apply for funding and then comply with the rules and regulations of the agencies. We understand the CDBG funding process and requirements, and will assist the City in compliance, as required. The FNI team has recent experience working with the CDBG-DR program, serving our clients in San Marcos, Beaumont, Harris County Flood Control and Liberty County.

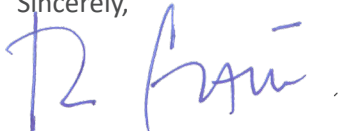
FNI's funding specialist Mark Evans can provide technical assistance to the City, including low interest loans, grants, disaster relief and hazard mitigation type funding. Prior to joining FNI, Mark served as the Team Lead of the Statewide Outreach initiative for the TWDB. FNI is prepared to coordinate with funding agencies during the study and design phases of the project and develop an engineering feasibility report that meets the agency requirements.

**Environmental Compliance:** CDBG-MIT release of funds is dependent upon environmental regulatory compliance. FNI's team includes staff that can address a range of services to be able to execute support studies needed to demonstrate compliance with CDBG requirements under the National Environmental Policy Act (NEPA), Endangered Species Act, Clean Water Act, and Historic Preservation Act, for example. The FNI team designs and plans projects with avoidance and minimization of impacts as part of sustainable approaches. Avoiding and minimizing impacts also helps our clients circumvent additional project costs and delays by simplifying the environmental reviews and compliance requirements – this is important to avoid triggering more complex CDBG environmental reviews and streamlining the release of funds. FNI was one of two firms recently selected by the Texas GLO as a contractor to perform and review environmental services under the Disaster Recovery Program, which illustrates our expertise and understanding of CDBG environmental compliance requirements and funding acquisition.

FNI meets the appropriate state licensing requirements to practice as an Architect/Engineer in Texas and does not have a record of substandard work or engaged in any unethical practices within the last five years.

We are confident that our team has the expertise, level of service and skill sets required for the successful completion of the City of Weslaco's Engineering Services. If you have any questions regarding our submittal, or our firm, please do not hesitate to contact me.

Sincerely,



Ron Guzman, PE  
Vice President/Principal  
361-561-6520 | [ron.guzman@freese.com](mailto:ron.guzman@freese.com)



*Disaster Recovery Program, Harris County Flood Control District*

## TABLE OF CONTENTS

### Transmittal Letter

**Company Profile** ..... 1

**Experience and Qualifications** ..... 2

**Work Performance** ..... 9

### Capacity to Perform

Organizational Chart ..... 15

Resumes ..... 16

**References** ..... 40

### Forms

Certificate of Insurance ..... 41

Statement of Conflict ..... 42

System for Award Management ..... 42

Conflict of Interest Questionnaire ..... 43

Certification Regarding Lobbying ..... 44

Disclosure of Lobbying Activities ..... 45

Addendum 1 Acknowledgment ..... 46

### LEGAL NAME OF FIRM

Freese and Nichols, Inc.

### LOCATION OF OFFICE

800 N. Shoreline Boulevard  
Suite 1600N  
Corpus Christi, Texas 78401  
361-561-6500

### CONTACT PERSONS

Ron Guzman, PE  
Principal-in-Charge  
361-561-6520  
ron.guzman@freese.com

Juan Bujanos, PE, CFM  
Project Manager  
361-360-0297  
juan.bujanos@freese.com

### DATE OF FIRM FORMATION

1894

### BUSINESS DESCRIPTION

Privately-Held Corporation

### FIRM REGISTRATION

Texas Board of Professional  
Engineers and Land Surveyors  
Registration No. F-2144



## COMPANY PROFILE

FNI is a client-focused, regionally based firm with national expertise. We plan, design and manage infrastructure projects with our broad range of services. From 22 offices across the Southeast U.S., including 13 in Texas, we work seamlessly together across all disciplines, giving our clients the benefit of multiservice integration with an approach that is as innovative as it is practical. Together, our more than 900 professionals deliver top-tier professional services that reflect the **FNI vision — to be the firm of choice for clients and employees.**

FNI was founded in 1894 when founder John Hawley became one of the state's first independent water and sewer engineers. Since then, FNI has developed a specialization in municipalities and water districts, with an extensive range of expertise and innovative solutions to solve critical infrastructure issues. We have provided planning, design and construction management of waterworks projects for a wide range of municipalities and special districts with populations ranging from 2,000 to more than 1 million.

## WE ARE MULTIDISCIPLINE

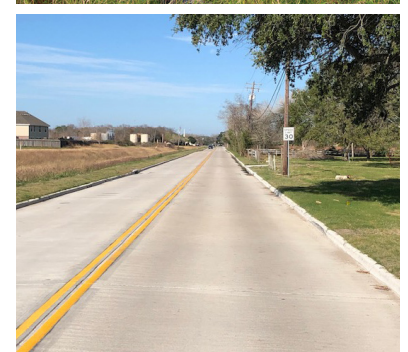
We are a multidiscipline firm whose primary focus remains being a trusted advisor to our clients. Whether we are providing strategic urban planning, funding assistance or full design, documentation and construction services, what drives our work is the alignment with clients' institutional goals. All FNI offices are linked through the latest technology and knowledge databases. Our menu of services is fully integrated across all our disciplines to deliver projects effectively and to verify that each project receives the benefit of the specific knowledge of every professional within our organization. Our goal is to capture the full creativity, innovation and technical proficiency of every team member regardless of office or project location.

## DRAINAGE AND FLOODING EXPERTS

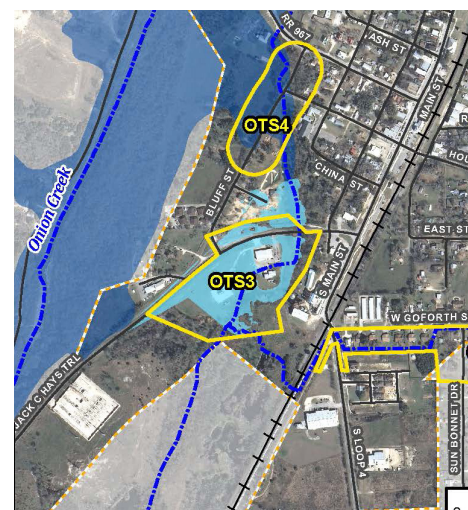
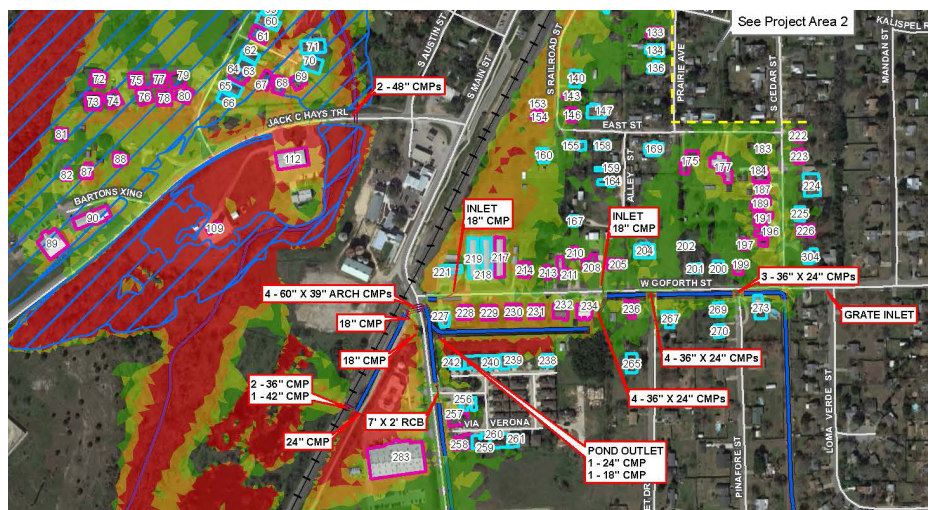
FNI has assisted many public clients with all aspects of successfully implementing a drainage program. This includes citywide, basin and localized planning, as well as design, development management, policy development, regulatory compliance, staffing assistance, and funding assistance. The FNI team consists of professionals who work almost exclusively on drainage and flooding projects for public clients and regional authorities. Our seasoned team members work on public projects every day without conflict of interest from private development work. Our team is accomplished in utilizing the latest modeling software, helping municipalities make fully informed decisions to maximize the value of their construction dollars. Our experienced staff will provide constructible, sustainable alternatives that optimize the City's budget for construction, operations and maintenance.

## CONSTRUCTION MANAGEMENT

FNI has more than a century of experience providing construction management and related services to clients. This team of professionals is dedicated to delivering quality projects which are constructed on schedule and within budget, while minimizing negative impacts to projects due to issues inherent in the construction process. Our team supports clients throughout the life of a project: conception, design, bid, construction and beyond.



## EXPERIENCE AND QUALIFICATIONS



# Drainage Bond Projects

## City of Buda

FNI performed the final design analyses and developed construction documents for four major drainage CIP projects passed by voters in the City of Buda 2014 Bond Election. **The City successfully received more than \$2 million in FEMA and GLO DR funding.**

Phase 1 of the plan included field work and H&H analyses for the four project areas. The level of modeling, alternatives evaluation and design varied for each area based on the complexity of the project and were detailed enough to provide confidence in the recommended design solutions and construction cost. The analyses ranged from Rational Method and Manning's Equation for defining straightforward drainage issues to a combination 1-D/2-D InfoWorks ICM model for analyzing complex existing flow patterns.

Based on the results of the existing conditions analyses, FNI developed several alternatives for each project area and summarized these in a preliminary engineering report along with recommendations for final design, estimates of probable construction costs, permitting assessments, and evaluation of required easement and right-of-way (ROW) acquisition. The final recommended configurations of each project will be used in Phase 2 of the project for final design.

FNI provided support services for the City's grant application (FEMA-4245-DR) for two project areas included in Proposition 4 – Drainage of the 2014 Bond Program. FNI developed grant application materials, including the preliminary design and cost estimates, benefit/cost analyses, tables, schedules and detailed scopes of work for the application. In addition, FNI provided general application support services to the City's grant application consultant, including assisting with preparing responses to questions and requests for additional supporting documentation from the Texas Department of Emergency Management (TDEM) and FEMA. If the City is awarded funding for the project(s), FNI anticipates assisting the City with implementation through preparation of the final design plans and specifications, preparation of construction documents, final OPCCs, bid assistance and recommendation for award, and construction-phase services, including field testing, inspections and general representation.

## Location

## Buda, Texas

## Team Members

Jay Scanlon  
Kim Patak  
Garrett Johnston  
Blaine Laechelin  
Brent Millar

## Project Similarities

Federally funded  
Disaster recovery  
Construction management:  
general representation



## Lift Station No. 25 Rehabilitation Laguna Madre Water District

FNI is providing rehabilitation of 20 existing sanitary sewer lift stations in their system with TWDB funds. Out of the 20 lift stations planned for rehabilitation, Lift Station No. 25, a triplex lift station with two empty slots for pumps located off 2nd Street at Port Isla Inn, has been identified as an emergency project to be completed on a separate, accelerated schedule and contract due to both existing submersible pumps recently burning out. The single active pump currently at the lift station was purchased for lift station No. 10 but placed at Lift Station No. 25 for temporary use. The scope of this project includes:

- Force main assessment, to be completed by a subconsultant, for Lift Station No. 25 and interconnected force mains from Lift Station No. 4 and Lift Station No. 10 to confirm design conditions for the pump selection, identify all incoming force main connections, and provide rehabilitation recommendations.
- Pump selection based on 2040 future flows determined from the existing Infoworks ICM model and anticipated 2040 flows from businesses along SH-100 currently connected to the Lift Station No. 4 that will potentially be routed to Lift Station No. 25 with a future gravity main.
- Route study and sizing for future gravity main to provide service to existing businesses along SH 100 corridor and convey flow to Lift Station No. 25.
- Preparation of design, bid and construction documents, including general/supplementary conditions and technical specifications for replacing the existing submersible pumps with above grade, Gorman Rupp Centrifugal pumps and site rehabilitation.

### Location

Port Isabel, Texas

### Team Members

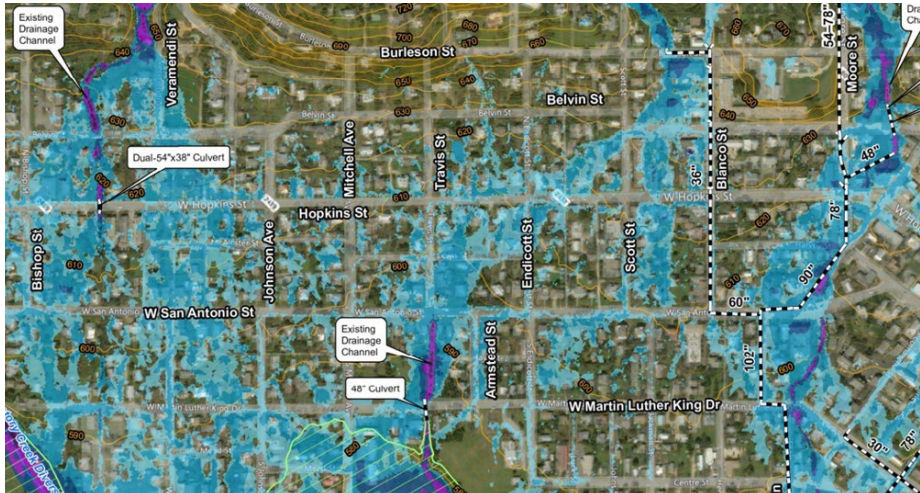
Shane Torno

### Project Similarities

Local project

Funding element

Construction management:  
general representation



## Hopkins Street Reconstruction

### City of San Marcos

The City of San Marcos, in partnership with the Texas Department of Transportation (TxDOT), retained FNI for the reconstruction of Hopkins Street, one of the original roadway corridors that helped establish present-day San Marcos. Hopkins Street connects both local and area residents to businesses and schools. This type of connection required a design that accommodates vehicular traffic, as well as pedestrians and utilities. Hopkins Street is a major two-lane arterial into downtown and bisects a national historic district. The project limits are from N. Bishop Street to Moore Street. FNI used Complete Streets design tools to address major issues such as drainage, pedestrian accommodations, street-level and traffic lighting at specific intersections, raised intersections to improve visibility and replacement of aging utility infrastructure.

#### Challenges

There were numerous stakeholder groups that were intimately involved and had specific needs for this project. The project also had drainage challenges and the City wanted to keep the 100-year contained within the ROW.

#### Funding

The project is partly funded by the Capital Area Metropolitan Planning Organization (CAMPO). The PER included a detailed, 2-D model of the entire watershed (Hopkins is mid-basin) that identified the need for drainage improvements on Hopkins street, Belvin Street (upstream and parallel to Hopkins) and a major outfall from Hopkins Street to Purgatory Creek.

The final design will continue the Complete Streets approach and focus on traffic calming, landscape enhancement and pedestrian mobility. The project will be divided into two construction/bid packages to allow the outfall to be constructed prior to beginning work on Hopkins Street, and will include more than 4,000 ft of water and wastewater replacement and adjustments, more than 5,000 ft of new storm drain including water quality controls, THC clearance, coordination with the city-owned electric utility and franchise utilities and TxDOT approval.

FNI assisted the City in gathering public input for the project through a series of outreach meetings with the purpose of engaging residents to be a part of the design process.

#### Location

San Marcos, Texas

#### Team Members

Nick Cecava  
Jay Scanlon  
Garrett Johnston  
Blaine Laechelin  
Brent Millar  
Brian Bresler  
Shane Torno

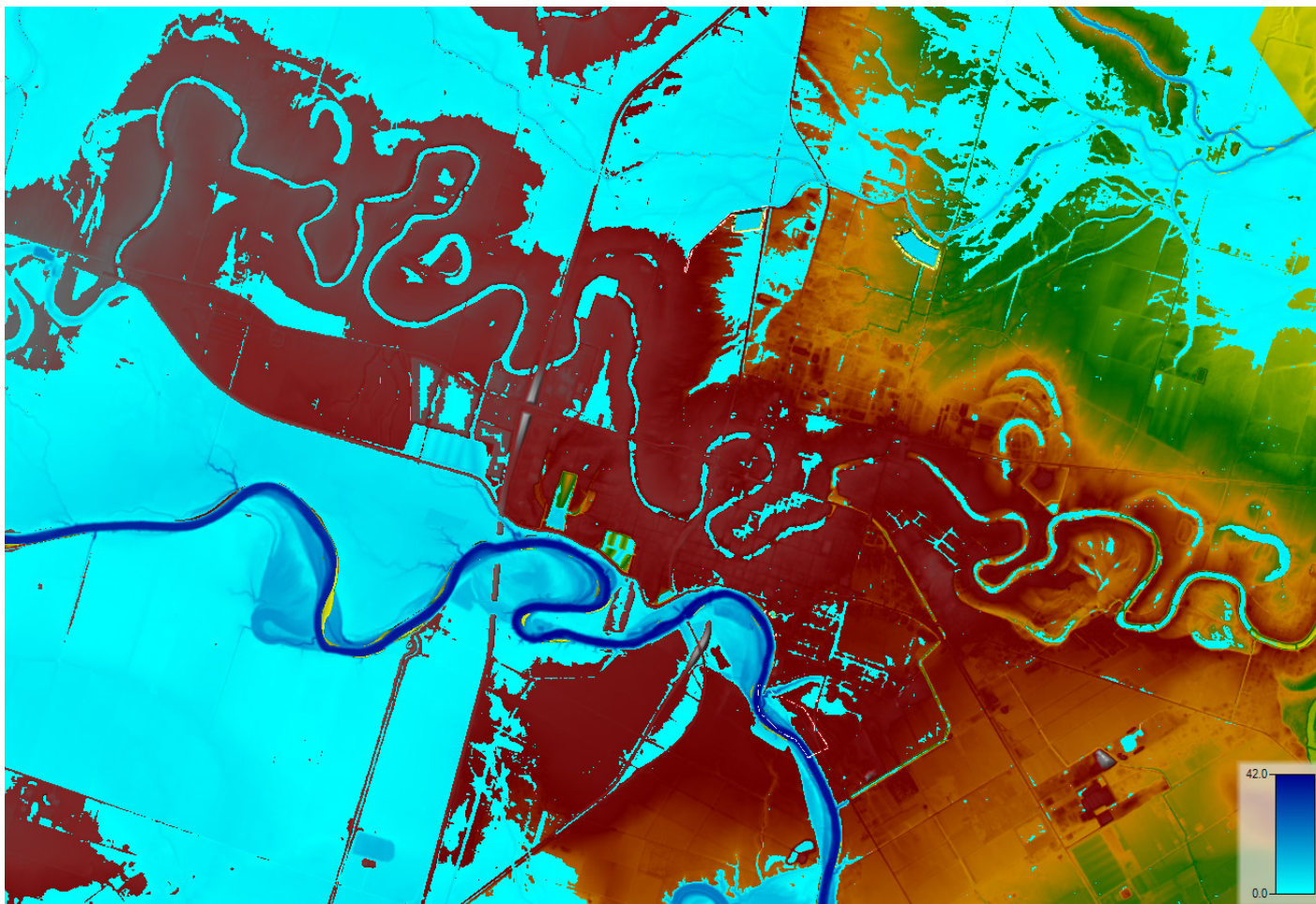
#### Project Similarities

Funding coordination  
Construction management

#### Proven Cost Savings

Our team reduced retaining walls, by maximizing the slopes, re-using drainage cross culverts instead of replacing them.





## Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM USACE Fort Worth/Galveston Districts

The project is in the floodplain of the Colorado River in the City of Wharton located approximately 55 miles southwest of Houston between the Colorado River and Baughman Slough (a tributary to Peach Creek), and additionally Caney Creek meanders through the City. During flood events, the Colorado River overflows into Caney Creek, Baughman Slough, and Peach Creek and Wharton is subject to flooding from the Colorado River, Caney Creek and Baughman Slough. The recommended plan to reduce flooding in the area is to build a system of levees, sumps, drainage features and control structures. FNI and another JV partner are providing full design (DBB) services to USACE Fort Worth for this BBA18 high priority FRM project within the USACE Galveston AOR. The project includes designing the extension of the Colorado River Levee and water control features along Baughman Slough. The levee system consists of 20,000 feet of new levee ranging in height from 3 to 40 feet, levee ramps, new floodwalls and three sumps. The water control features along Baughman Slough consist of 10,000 feet of new levee, 36-acre sump, channel widening for 6,700 feet, and replacement of three bridges. Other AE services include topographic survey, geotechnical investigation, modifications to and reporting on existing H&H models.

### Location

Wharton, Texas

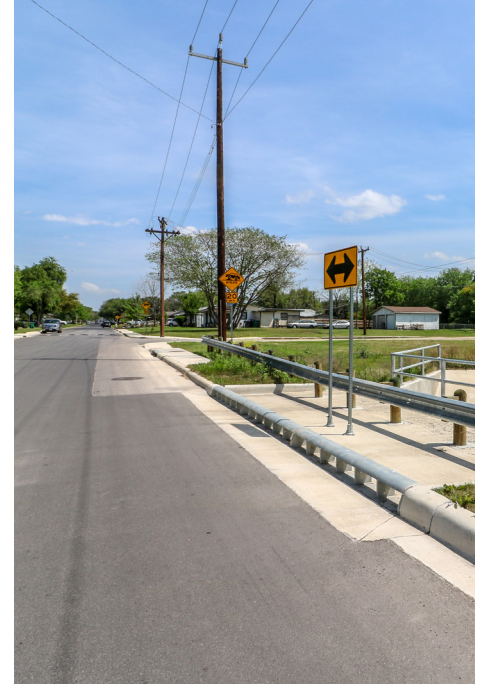
### Team Members

Victor Vasquez  
Blaine Laechelin  
Dustin Mortensen

### Project Similarities

Federally funded  
Disaster recovery  
Construction management:  
general representation





## Belford Area Drainage Improvements

### City of San Antonio

A neighborhood in the Fairlawn watershed near Belford Drive was impacted by localized flooding due to the lack of a storm drain system. The neighborhood drained to an existing drainage channel that is undersized, resulting in intersection flooding of a significant roadway and shallow flooding of private property.

FNI was engaged by the City to develop local flood mitigation solutions to reduce both the localized and street flooding while improving the outfall channel and reducing the downstream floodplain. Design improvements for the estimated \$6.35 million project included 3,500 LF of new storm drain (RCP [reinforced concrete pipe] and RCB), utility adjustments, full roadway reconstruction (including curb/gutter and sidewalks), and 1,400 LF of open-channel improvements.

FNI developed the H&H analyses using traditional HEC-HMS, StormCAD and XPSMM to define drainage patterns and size the proposed storm drain system. The design was challenging due to the steep hills in the upper portion of the neighborhood and nearly flat terrain in the lower portion. Additional constraints included existing City and franchise utilities that limited the area available for a retrofit. Downstream channel improvement alternatives were coordinated with the developer to minimize construction costs and create developable tracts of land.

FNI prepared the preliminary engineering report (PER), plans, specifications, Stormwater Pollution Prevention Plan (SWPPP) and cost estimates. FNI assisted the City with bid and construction phase services. The goal of the PER was to determine if the area could be retrofitted with storm drains to meet the requirements of the City's Design Guidance Manual (DGM). Bid and construction phase services included regular site visits, answering questions, reviewing submittals and final walkthrough. FNI also provided a phased traffic control to allow residents access to their homes during construction.

#### Location

San Antonio, Texas

#### Team Members

Jay Scanlon  
Blaine Laechelin  
Brent Millar

#### Project Similarities

Construction management:  
general representation

#### Proven Cost Savings

FNI combined 1-D and 2-D flooding due to complex runoff patterns. We worked with City and downstream developer to determine alignment and easement requirements for upsized creek outfall.





## Staples Street Reconstruction (Brawner to Kostoryz)

### City of Corpus Christi

Staples Street from Brawner Parkway to Kostoryz Road includes full-depth repair of the existing five lane roadway using concrete pavement and includes the addition of a 10-foot-wide multiuse sidepath. The project includes close coordination with adjacent W.B. Ray High School and Corpus Christi Independent School District to facilitate safe access for students and pedestrians during the construction phase. Other improvements include full traffic signalization reconstruction at three intersections, storm water improvements, water and sanitary sewer upgrades, new curb and gutter and new sidewalks and other ADA improvements such as curb ramps, pavement markings and signage, street lighting and bus stop rehabilitation, which will be designed in accordance with the Transportation Master Plan.

#### Proven Cost Savings

FNI removed in-street bicycle lanes, reduced pavement width, incorporated existing drainage systems, incorporated additive alternate designs for gas line improvements and designed both concrete and asphalt paving options. FNI's respective actions provided the City with more than \$1.8 million in project savings.

#### Location

Corpus Christi, Texas

#### Team Members

Nick Cecava  
Ron Guzman  
Blaine Laechelin  
Brian Bresler  
Shane Torno

#### Project Similarities

Construction management

## FNI'S LOCAL GOVERNMENT CLIENTS

| Client                               | Flood/<br>Drainage | Water | Wastewater | Construction<br>Management | Transportation |
|--------------------------------------|--------------------|-------|------------|----------------------------|----------------|
| Bacliff MUD                          |                    | ✓     | ✓          | ✓                          |                |
| Brazoria County                      | ✓                  |       |            |                            | ✓              |
| City of Alvin                        |                    | ✓     |            | ✓                          | ✓              |
| City of Austin                       | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Baytown                      | ✓                  |       |            |                            |                |
| City of Beaumont                     | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of College Station              | ✓                  | ✓     | ✓          | ✓                          |                |
| City of Conroe                       |                    | ✓     | ✓          |                            |                |
| City of Corpus Christi               | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Fredericksburg               | ✓                  | ✓     | ✓          |                            | ✓              |
| City of Friendswood                  | ✓                  | ✓     |            | ✓                          | ✓              |
| City of Fulshear                     |                    | ✓     | ✓          |                            |                |
| City of Galveston                    | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Huntsville                   |                    | ✓     | ✓          | ✓                          |                |
| City of Houston                      | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Lake Jackson                 | ✓                  |       |            |                            |                |
| City of League City                  | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Manvel                       |                    | ✓     | ✓          | ✓                          | ✓              |
| City of Missouri City                | ✓                  |       | ✓          | ✓                          | ✓              |
| City of Pearland                     | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Port Arthur                  |                    | ✓     | ✓          |                            | ✓              |
| City of Richmond                     |                    |       |            | ✓                          |                |
| City of San Marcos                   | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Sugar Land                   | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of Tomball                      |                    | ✓     | ✓          | ✓                          |                |
| City of Webster                      | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| City of LaPorte                      | ✓                  | ✓     | ✓          | ✓                          | ✓              |
| Fort Bend County                     | ✓                  |       | ✓          |                            |                |
| Gulf Coast Water Authority           | ✓                  | ✓     | ✓          | ✓                          |                |
| Harris County Flood Control District | ✓                  | ✓     |            | ✓                          | ✓              |
| Liberty County WCID #5               | ✓                  |       | ✓          | ✓                          |                |
| San Jacinto River Authority          | ✓                  | ✓     | ✓          | ✓                          |                |
| Sabine River Authority               | ✓                  | ✓     | ✓          | ✓                          |                |

# WORK PERFORMANCE

## FNI'S RELEVANT PROJECT EXPERIENCE/WORK PERFORMANCE

|                                                   |                                                              |              | PROJECT EXPERIENCE AREA |              |                   |                         | WORK PERFORMANCE      |                         |                           |
|---------------------------------------------------|--------------------------------------------------------------|--------------|-------------------------|--------------|-------------------|-------------------------|-----------------------|-------------------------|---------------------------|
|                                                   |                                                              |              | Federally Funded        | State Funded | Located in Region | Construction Management | Completed On Schedule | Completed Within Budget | High Quality Work Product |
| Client                                            | Project                                                      | Cost         |                         |              |                   |                         |                       |                         |                           |
| STORMWATER CONVEYANCE AND PUMP STATION PROJECTS   |                                                              |              |                         |              |                   |                         |                       |                         |                           |
| City of Beaumont                                  | Flood Protection Improvements                                | \$33M        | ✓                       |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Buda                                      | Drainage Bond Projects                                       | \$730K (fee) | ✓                       |              |                   | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Corpus Christi                            | Staples Street Reconstruction (Brawner to Kostoryz)          | \$1M (fee)   |                         |              |                   | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Lake Jackson                              | Drainage Study                                               | \$1M         |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Liberty                                   | B-Levee Repairs                                              | \$755K       | ✓                       |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of San Marcos                                | Hopkins Street Reconstruction                                | \$9.4M       |                         |              |                   | ✓                       | O/G                   | O/G                     | ✓                         |
| City of San Antonio                               | Belford Area Drainage Improvements                           | \$820K (fee) |                         |              |                   | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Sugar Land                                | Dam 3 Flood Control Improvements                             | \$88K (fee)  |                         |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| USACE Fort Worth/ Galveston Districts             | Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM | \$1.5M (fee) | ✓                       |              | ✓                 | ✓                       | O/G                   | O/G                     | ✓                         |
| EPC Team                                          | Process Plant Stormwater Pump Station                        | \$18M        |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Fort Bend County Drainage District                | County-Wide Drainage Study                                   | \$3.1M (fee) |                         |              | ✓                 |                         | ✓                     |                         | ✓                         |
| Fort Bend County Levee Improvement District No. 2 | Post Harvey Drainage Evaluation                              | \$1M         |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Fort Bend County Levee Improvement District No. 2 | Additional Storage Preliminary Engineering Report            | \$225K (fee) |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Harris County Flood Control District              | Hurricane Harvey Disaster Recovery                           | \$11M        | ✓                       |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| Harris County Flood Control District              | Lower White Oak Bayou Channel Restoration                    | \$275K (fee) |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Harris County Flood Control District              | U520 Detention Basin Improvements                            | \$855K (fee) |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Harris County Flood Control District              | Poor Farm Ditch Conveyance Improvements                      | \$18M        |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Liberty County WCID #5                            | Stormwater Pump Station Evaluation                           | \$87K (fee)  |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Liberty County WCID #5                            | A-Levee Repairs and Gravity Outfall Replacements             | \$2.2M       | ✓                       |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |

O/G: Ongoing

## FNI'S RELEVANT PROJECT EXPERIENCE/WORK PERFORMANCE

| Client                                                    | Project                                                                                       | Cost         | PROJECT EXPERIENCE AREA |              |                   |                         | WORK PERFORMANCE      |                         |                           |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------|-------------------------|--------------|-------------------|-------------------------|-----------------------|-------------------------|---------------------------|
|                                                           |                                                                                               |              | Federally Funded        | State Funded | Located in Region | Construction Management | Completed On Schedule | Completed Within Budget | High Quality Work Product |
| STORMWATER CONVEYANCE AND PUMP STATION PROJECTS CONTINUED |                                                                                               |              |                         |              |                   |                         |                       |                         |                           |
| Liberty County WCID #5                                    | Ames Drainage Study                                                                           | \$79K (fee)  |                         |              | ✓                 |                         |                       | ✓                       | ✓                         |
| Liberty County WCID #5                                    | Liberty Drainage Reviews                                                                      | \$40K (fee)  |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| Sabine River Authority                                    | Sabine River Pump Station and Pipeline                                                        | \$75M        |                         | ✓            | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| USACE Galveston District                                  | Levee Stabilization Safety Assurance Review                                                   | \$61K (fee)  | ✓                       |              | ✓                 |                         |                       |                         | ✓                         |
| West Harris County Regional Water Authority               | Surface Water Supply Project Booster Pump Station                                             | \$60M        |                         | ✓            | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| North Texas Municipal Water District                      | Main Stem Pump Station                                                                        | \$112M       |                         |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| WATER INFRASTRUCTURE PROJECTS                             |                                                                                               |              |                         |              |                   |                         |                       |                         |                           |
| City of Liberty                                           | Long Range Water Plan                                                                         | \$65K (fee)  |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Liberty                                           | Water, Wastewater and Electric Rate Study                                                     | \$85K (fee)  |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| West Harris County Regional Water Authority               | Surface Water Supply                                                                          | \$120M       |                         | ✓            | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| North Harris County Regional Water Authority              | Segment 25B 84-inch Waterline                                                                 | \$1.5M (fee) |                         | ✓            | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Galveston                                         | 30-Inch Causeway Waterline                                                                    | \$9M         |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Huntsville                                        | Water Bond Projects                                                                           | \$21M        |                         |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Alvin                                             | Dyche Lane 0.5-MG EST                                                                         | \$2M         |                         |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| WASTEWATER INFRASTRUCTURE PROJECTS                        |                                                                                               |              |                         |              |                   |                         |                       |                         |                           |
| City of Port Arthur                                       | 9-MGD Main Wastewater Treatment Plant                                                         | \$63M        |                         | ✓            | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Missouri City                                     | Mustang Bayou Wastewater Treatment Plant Lift Station Rehabilitation and Bar Screen Structure | \$1M         |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Huntsville                                        | Elkins Lake Dam Lift Station                                                                  | \$3.5M       |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of College Station                                   | Lick Creek Parallel Trunk Main                                                                | \$11M        |                         |              |                   |                         | ✓                     | ✓                       | ✓                         |
| City of Houston                                           | Sims Bayou WWTP Improvements                                                                  | \$6.7M       |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |
| City of Tomball                                           | WWTP Improvements                                                                             | \$3.8M       |                         |              | ✓                 | ✓                       | ✓                     | ✓                       | ✓                         |
| City of Houston                                           | Mechanical and Structural Upgrades to Multiple WWTPs                                          | \$892K (fee) |                         |              | ✓                 |                         | ✓                     | ✓                       | ✓                         |



## FUNDING AND REGULATORY COORDINATION

### FUNDING AGENCIES

Much of our work cannot be decoupled from state or federal funding. For more than three decades, FNI has assisted more than 100 clients access approximately \$3 billion in grants and loans from federal and state programs. Our wide ranging multidisciplinary services include helping clients navigate the procedures involved with funding acquisition and compliance, including funding programs administered by FEMA, HUD or TWDB. FNI understands that compliance with agency requirements is paramount to receiving funding, and we are familiar with procedures pertaining to regulatory compliance and the statutory framework associated with several important funding sources. For example, We prepared to coordinate with your grant administration firm and funding agencies during all phases and develop scopes, schedules and engineering reports that meet the Federal requirements, develop construction bid and contract documents, and assist the City of Weslaco in completing applications. We also understand the CDBG funding process and requirements and will assist the City in compliance, as required.

### REGULATORY AGENCY COORDINATION

In addition to our understanding of agency funding procedures, we are also well-versed at agency coordination. The FNI team routinely engages with federal and state agencies to assist clients with project implementation. Our involvement with state and federal projects has resulted in a unique relationship with relevant state and federal agencies, where we are considered a trusted advisor. We currently provide consulting services to a variety of state and federal agencies, such as USACE and Texas GLO (including their Disaster Recovery Program). FNI's credibility with state and federal agencies is an important asset to streamline regulatory approvals for funding acquisition.

### RECENT EXAMPLES OF FNI PROJECTS WITH STATE AND FEDERAL FUNDING

| YEAR | CLIENT                               | PROJECT                                             | AGENCY | SOURCE  | TYPE  |
|------|--------------------------------------|-----------------------------------------------------|--------|---------|-------|
| 2018 | Harris County Flood Control District | Hurricane Harvey Disaster Recovery Program          | NRCS   | EWP     | Grant |
| 2018 | City of Luling                       | Zedler Mill Bank Reclamation                        | NRCS   | N/A     | Grant |
| 2017 | City of Buda                         | Onion Creek Diversion                               | TDEM   | HMGP    | Grant |
| 2017 | City of Fort Worth                   | Central Arlington Heights Buyout/<br>Detention Pond | TWDB   | FMA     | Grant |
| 2013 | Town of Trophy Club                  | Trophy Club HMAP                                    | TDEM   | HMGP    | Grant |
| 2012 | Town of Little Elm                   | Little Elm HMAP                                     | TDEM   | HMGP    | Grant |
| 2011 | Comal County                         | Dry Comal Creek Dam                                 | TDEM   | HMGP    | Grant |
| 2011 | Upper Brushy Creek WCID              | Basin Wide Study                                    | TWDB   | FPP     | Grant |
| 2010 | City of Bryan                        | Stormwater Study                                    | TWDB   | FPP     | Grant |
| 2010 | City of Keller                       | Darryl Garden Lane Drainage Improvements            | TDEM   | HMGP    | Grant |
| 2009 | City of Lancaster                    | Ten Mile Creek Buyouts                              | TDEM   | HMGP    | Grant |
| 2017 | City of San Marcos                   | Uhland Street and Drainage Improvements             | GLO    | CDBG-DR | Grant |
| 2018 | Liberty County                       | WCID #5 Levee and Gravity Outfall Repairs           | NRCS   | N/A     | Grant |
| 2018 | Gulf Coast Water Authority           | Shannon Pump Station and Mustang Reservoir          | TDEM   | PA      | Grant |

**TOTAL AMOUNT AWARDED – OVER \$76 MILLION**

## HIGH QUALITY WORK PRODUCT

### QUALITY MANAGEMENT

The “D” in FNI’s LEADS values stands for **“Deliver Quality.”** This value is foundational to our company culture and informs our comprehensive approach to Quality Management (QM). FNI’s QM process involves multiple overlapping focus areas that work together to foster a culture of excellence and elevate our overall quality of service. These include:

#### ENGAGED LEADERSHIP

Successful Quality Management requires a fully engaged team, starting at the top. C-Suite leadership and firm owners lead internal review committees, where they are actively engaged in the outlay of services and oversee the appropriate allocation of company resources. Collaboration and attention to detail from the top down increases job productivity for our clients.

#### TECHNICAL EXCELLENCE

FNI’s Technical Excellence Program (TEP) promotes continual employee training and supports regular updates and improvements to technical quality and standards. The program involves:

- A **Team of Technical Professionals** is identified within each of FNI’s 12 practice areas and charged with building a program of technical excellence within the practice companywide.
- **Lead Technical Professionals** (LTPs) oversee the technical advancement of their practice area and uphold technical standards. Concentration on the technical aspects of a practice affords LTPs a laser focus in guiding project teams to identify effective technical solutions.
- **Senior Advisors** provide thought-leadership and input at critical points of a project, particularly at its onset to help define an overall plan. Equipped with a wealth of practical, hands-on experience, Senior Advisors efficiently guide junior staff in meeting quality standards and avoiding potential pitfalls, while helping to keep the project on track.

#### CONTRACT REVIEW

A quality product starts with a good contract. Contracts are thoroughly reviewed and edited for clarity to verify everyone is on the same page before the work begins, leaving no doubt about client expectations. This advance work mitigates potential issues, protecting both the client and the consultant.

#### QA/QC PROCESSES

A robust and detailed quality assurance/quality control (QA/QC) program at the project level verifies quality standards are consistently met for each contract assignment, resulting in quality deliverables for our clients. FNI’s assigned Project Manager prepares a formal QC Plan for each project, detailing the documents to be checked or reviewed, QC schedules and responsible personnel. Our systematic QA process confirms an effective QC approach is followed and project objectives are carried out. QC reviews confirm the technical accuracy of project components.



FREESE AND NICHOLS

LEADS



#### CONTINUOUS IMPROVEMENT IS KEY TO DELIVERING QUALITY

For more than two decades, FNI has set a course focused on **continuous improvement**. It is a key tenet to delivering quality in all that we do. Continuous improvement requires methodical planning, measuring, analyzing, and refining, resulting in a repeatable systematic approach. It instills accountability and transparency, encouraging self-improvement in the workplace.

Our commitment to quality and continuous improvement was validated when FNI became the first engineering/architecture firm to receive the **Malcolm Baldrige National Quality Award**, the highest level of recognition for performance excellence in the United States. The Baldrige experience still drives our commitment to delivering quality service today.

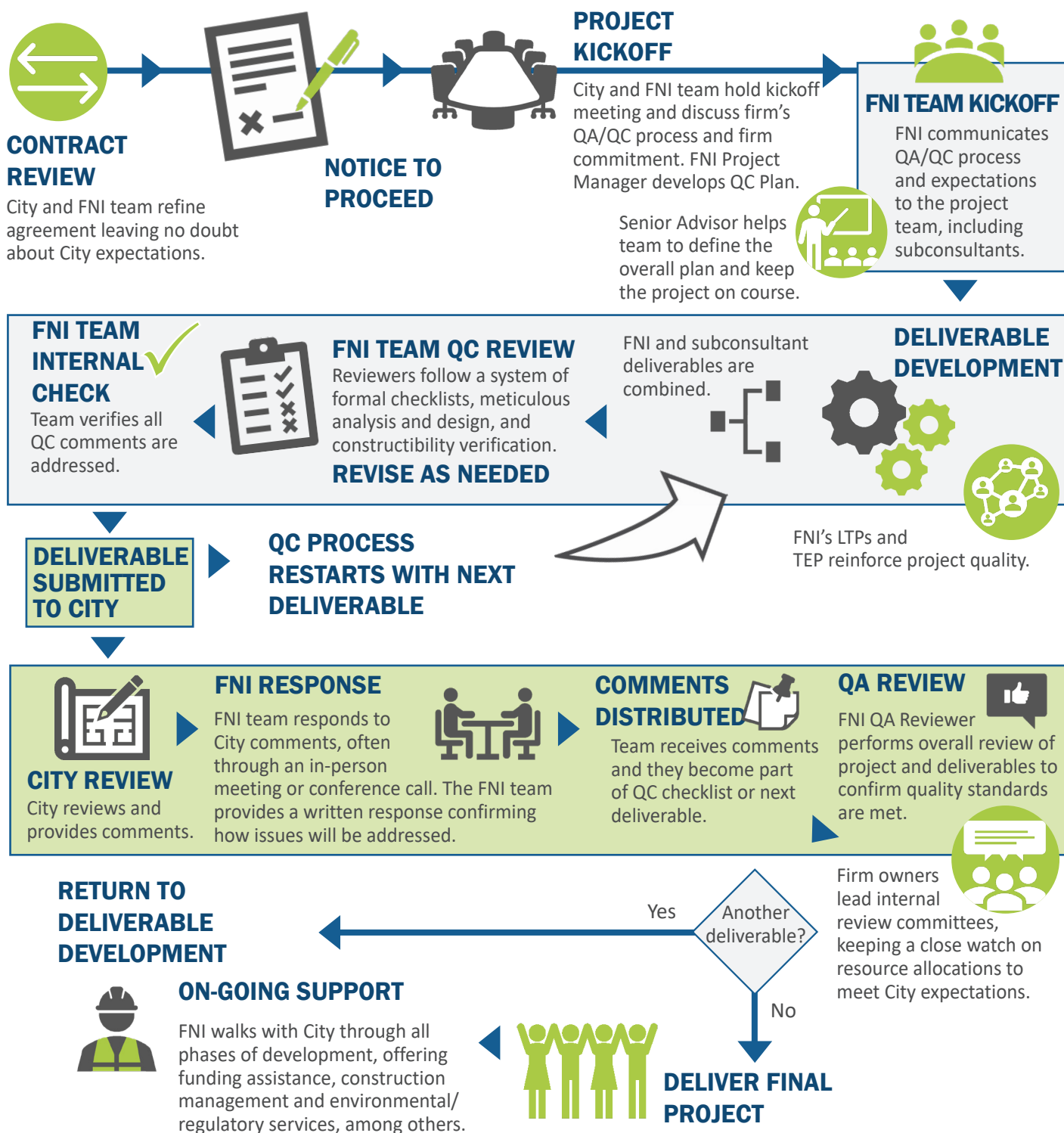
## PROMOTING HIGH STANDARDS THROUGH OUR TECHNICAL EXCELLENCE PROGRAM

FNI's TEP promotes continual employee training and supports regular updates and improvements to technical quality and standards. Structured according to the firm's 12 practice areas, the program is managed by LTPs, who are responsible for maintaining quality standards within their respective technical practices. TEP involves the following:

- **Team of Technical Professionals** – Identified within each of FNI's 12 practice areas and charged with building a program of technical excellence within the practice companywide.
  - **Lead Technical Professional** – Technical leader of the company-wide practice who is charged with overseeing and building the technical quality within the practice. This includes the QA/QC programs, technical training and expertise, and updating and improving all appropriate technical standards and processes within the practice.
  - **Senior Technical Professionals (STPs)** – Recognized experts within the practice who are responsible for implementing many of the recommended technical excellence enhancements.
  - **Technical Professionals (TPs)** – Younger talented staff identified to contribute to the firm's level of expertise and who generally choose to follow a more technical track in their careers.
- **TEP Teams** – Teams of all technical employees within a given discipline who meet regularly to exchange information, participate in training opportunities and serve as a vehicle to communicate with the Team of Technical Professionals. Each team is organized within a practice, and there are approximately one to four TEP teams within each practice.
- **Senior Advisors** – Senior technical staff provide experienced technical assistance and oversight to project teams, from initial planning through final execution. They increase project efficiency by supplying a high level of technical expertise and/or knowledge of the client, while the rest of the project team performs day-to-day project management and production tasks. Senior Advisors guide project staff in solving technical issues and encourage consideration of alternative, innovative concepts. They verify sound technical decisions and enable staff to advance quickly in their technical knowledge. Senior Advisors are essential to the QA/QC program because of their QA oversight at critical project milestones. Their QA reviews validate all customary quality procedures were followed and that formal QC procedures were performed appropriately.
- **Technical Writing Committee** – FNI's Technical Writing Committee focuses on improving the quality of client deliverables by promoting technical writing excellence. The committee meets regularly to assess the firm's overall technical writing capabilities and makes available resources and training to assist technical staff in developing written deliverables, such as reports, memoranda and email correspondence. A company intranet page on technical writing exists to give technical staff ready access to writing tools and instruction.

## QUALITY MANAGEMENT PROCESS FLOWCHART

Multiple components work together to foster a culture of excellence and elevate our overall quality of service. QM is a mindset that extends beyond a specific project and reinforces our efforts to build trusted-advisor relationships with our clients.





## CAPACITY TO PERFORM

FNI is committed to providing responsive service and we understand that time is money. The location of our project team members and our familiarity with the project area give us the ability to provide a quick response. FNI's current workload will not hinder our ability or commitment to provide the City with the same quality and timely service as received by all of our clients. Each proposed team member is available to begin your project upon receipt of a signed contract from the City. However, should additional resources be required throughout the course of the project, or should the project schedule become accelerated, FNI can draw from the expertise and resources of our entire firm and our 900+ employees to help meet your needs. We will commit the resources necessary to get the job done. During all phases of design and construction, FNI will remain focused on meeting the City's project schedule. See page 41 for professional liability coverage.

## ORGANIZATIONAL CHART





## JUAN BUJANOS, PE, CFM

### Project Manager

Juan Bujanos, an FNI Account Director, who is based in Brownsville, has more than two decades of experience leading water and wastewater infrastructure projects across South Texas. He has managed multimillion-dollar projects, overseeing all aspects, from planning, strategy and design to inspection and post-construction work. His 15 years with the Texas Water Development Board give him valuable understanding of the state funding process to help our customers find the financial resources to reach their goals. And through his recent management role with the Brownsville Public Utilities Board, he is well familiar with the perspective of utility owners. He provides leadership to the firm's water distribution, transmission and treatment, wastewater collection and treatment, and reuse efforts, working closely with FNI specialists to match client needs and goals with proven best-practices and newer technological innovations. He serves as technical advisor and provides quality control services for the firm's treatment projects.

#### Experience

26 years

#### Education

BS, Electrical Engineering, Texas  
A&M University - Kingsville

#### Registration

Professional Engineer, Texas  
#97472

Certified Floodplain Manager,  
#2446-13N

#### RELEVANT PROJECT EXPERIENCE

**Water Treatment Plant\* | Nueces County | Client Representative |** TWDB funded the project design and construction of a 6.6-MGD pressurized ultrafiltration membrane system and chemical feed system for a new 6.6-MGD water treatment plant. Provided design analysis, QA/QC and construction management of the microfiltration membrane system, backwash waste disposal system, chemical feed system and an on-site hypochlorite generator system.

**Water Treatment Plant No. 2\* | City of Rio Grande City | Client Representative |** TWDB funded the design and construction of a 6-MGD conventional water treatment plant system and chemical feed system for a new 6-MGD water treatment plant. Provided design analysis, QA/QC and construction management of the water treatment plant system, backwash waste disposal system, chemical feed system and an on-site hypochlorite generator system. This was the first CMAR WTP project in Texas to be funded by TWDB. Assisted with the procurement of the CMAR contractor and providing guidance to the City on CMAR throughout the project.

**Water Treatment Plant\* | City of Rio Hondo | Client Representative |** JNB provided design and construction phase services of a 1.6-MGD package treatment plant system and chemical feed system for a new 1.6-MGD water treatment plant. As prime consultant, JNB provided the design of the water treatment plant, backwash waste disposal system, filtration system, chemical feed system, electrical controls and SCADA monitoring system and high service and transfer pump systems. JNB was responsible for the funding application, including environmental information document, procurement of the equipment and contractor, and construction phase services.

**Water/Wastewater Projects\* | Brownsville Public Utilities Board | Director of W/WW Engineering, Planning and Operations |** Provided in-house planning, design and construction phase services of water distribution and transmission mains, 2-MG composite elevated storage tank design, water/wastewater treatment plant rehab, lift station and collection main design, street and drainage design, CIP planning, environmental assessments, facility design, etc.

*\*Experience prior to FNI.*



## RON GUZMAN, PE

### Principal-in-Charge

Ron Guzman is a firm Vice President/Principal and Coastal Bend Infrastructure Group Manager. His experience includes roadway design schematics, H&H analysis, stormwater systems, utility coordination, rail systems, site development, public outreach and development of detailed PS&E. Ron has extensive experience working with the City of Corpus Christi, TxDOT and the Regional Transit Authority, both individually and concurrently.

### RELEVANT PROJECT EXPERIENCE

#### Experience

32 years

#### Education

BS, Civil Engineering, Texas A&M University

#### Registration

Professional Engineer, Texas  
#76782

**Staples Street Reconstruction (Brawner to Kostoryz) | City of Corpus Christi | Principal-in-Charge** | FNI designed full-depth repair of the existing five-lane roadway using concrete pavement, including the addition of bicycle lanes in both directions. The project includes close coordination with adjacent W.B. Ray High School and Corpus Christi ISD to facilitate safe access for students and pedestrians during the construction phase.

**Uhland Road Improvements | City of San Marcos | Principal-in-Charge** | FNI is currently providing design services to reconstruct County Road, and portions of River Road and Uhland Road. The project includes increased multi-modal access, intersection improvements, storm sewer improvements including addition of a subsurface water quality treatment unit. The project involves coordination with the U.S. Fish and Wildlife for permitting of the proposed storm sewer outfall at the Blanco River. The project also includes water and wastewater utility relocation and improvements. This project was CDBG-DR funded.

**Yorktown Boulevard, Staples to Cimarron | City of Corpus Christi | Project Manager** | FNI designed a \$6.3 million, four-lane urban arterial street with raised medians. The project included site investigation, subsurface utility investigation, hydrologic study, above ground and subsurface hydraulic conveyance system for drainage improvement and construction cost estimating. FNI attended client meetings and interfaced with TxDOT throughout the project.

**Southton Road Emergency Sewer | San Antonio Water System | QA/QC** | \$2.4 million emergency design of 4,800 LF of 48-inch gravity sewer main and siphon replacement, including hydraulic modeling, roadway design and traffic phasing. The emergency project was designed in three weeks with construction completed in 90-days and is one of the largest emergency projects in SAWS history.

**Schanen Ditch Bank Failure Investigation and Repairs | City of Corpus Christi | Client Representative** | Investigation, design and construction services for channel repair for slope failures. Improvements include improved outfalls into the channel with new headwalls, wingwalls, reinforced concrete pipe and rip-rap, as well as excavation and grading to address existing sloughed or damaged areas of the channel, and to establish the proper side slopes and slope protection for the channel.

**Ben Wilson Street Corridor - US Business 59 to Airline Road | City of Victoria | Principal-in-Charge** | FNI is providing design, bid, and construction administration phase services for the reconstruction of approximately 2,800 LF of Ben Wilson Street between Airline Road and East Red River Street. This roadway segment will be reconstructed from an existing five-lane roadway section into a three-lane roadway reallocating the remaining space for sidewalk, landscaping and a raised median.



## KRISTA MELNAR, PE, CFM, PMP

### QA/QC: Drainage

Krista Melnar has focused her career pursuing flood disaster resilience for FEMA and communities in Texas. During this time, she has gained expert knowledge of FEMA's programs, policies and standards and has earned trusted relationships across FEMA, within Region VI and Headquarters. Krista is a proven leader, able to deliver innovative solutions on time and budget, while coordinating with a broad stakeholder group to achieve results. As FNI's Stormwater Practice Leader, Krista oversees all aspects of FNI's diverse water resources planning and engineering services, including floodplain modeling and mapping. She has more than 20 years of experience addressing today's water resources challenges in stream restoration, stormwater management and flood disaster resilience.

#### Experience

21 years

#### Education

BS, Biological Resources Engineering, University of Maryland

#### Registration

Professional Engineer, Texas #95596

Certified Floodplain Manager #0832-05N

Project Management Professional #2857090

#### RELEVANT PROJECT EXPERIENCE

##### **San Jacinto Regional Watershed Master Drainage Plan | Harris County Flood Control District | Senior Advisor**

FNI is conducting a comprehensive flood mitigation master drainage plan of the San Jacinto River Basin's major streams, which will identify vulnerability to flooding hazards that result in loss of life and property, develop approaches to enhance public information and flood level assessment capabilities during a disaster, and evaluate flood mitigation strategies that can be implemented both near-term and over the long-term to improve community resilience.

**Production and Technical Services for the Risk MAP, HMTAP, and Building Sciences Program\* | FEMA | Task Order Manager for the Substantial Damage Analytics Cell | Post Harvey Recovery Region VI:** Immediately following Hurricane Harvey, the FEMA analytics cell developed a model that triaged structures that were likely substantially damaged, likely not substantially damaged and structures that required in-field SDE inspections. The Compass PTS JV built on the immediate development and success of FEMA's operational model and process to develop RADAT, for use on future disasters. This revised approach provides an adaptable framework for other Regions to build on and enhance for future disasters. This project also included developing on-demand products to mitigation discussions with impacted communities. These include hot spot maps of substantial damage to drive holistic/neighborhood wide mitigation solutions and a funding recipe card to provide an easy way to navigate the various grant programs available to those property owners who experienced significant flooding due to Harvey.

**Production and Technical Services for the Risk MAP, HMTAP and Building Sciences Program\* | FEMA | Deputy Project Director/Acting Project Director. Acting Project Director and Deputy Project Director |** Responsible for the nationwide \$600 million FEMA contract that provides flood hazard and risk products and response and recovery services following presidentially declared flood disasters.

**Furneaux Creek Stream Stabilization and Restoration\* | City of Carrollton | Geomorphic Assessment and Analysis Lead |** Provided field instruction and led the geomorphic analysis of this urbanized stream restoration project. The design approached balanced both empirical and process-based approaches to urban stream restoration.

*\*Experience prior to FNI.*





## VICTOR VASQUEZ, PE

### QA/QC: Water Resources

Victor Vasquez is an FNI Vice President/Principal and the firm's Water Resources Design Group Manager. He has 20+ years of experience as a Project Manager for the management, design, and rehabilitation of dams, hydraulic structures and related appurtenances. During his career, he has served as Project Manager, Lead Design Engineer and Field Engineer on various types of dams and structures, including earthen embankments. He specializes in geotechnical analyses, physical model studies, and the development of construction documents and bid packages. He has extensive field experience serving as Resident Field Engineer on several water construction projects.

#### Experience

22 years

#### Education

MS, Civil/Geotechnical Engineering, University of Texas at Austin

BS, Civil Engineering, University of Texas at Austin

#### Registration

Professional Engineer, Texas #93564

#### RELEVANT PROJECT EXPERIENCE

**Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM | USACE Fort Worth/Galveston Districts | Project Team** | FNI is providing design services of 5 miles of earthen levee, 2,000 feet of floodwall, 1.3 miles of channel widening, sumps and storm drainage system to protect the City of Wharton.

**Spring Lake Dam Emergency Stabilization | Texas State University System | Project Team** | FNI provided engineering services related to Spring Lake Dam, including existing condition assessment of the dam, alternatives analysis for long-term modernization of the dam, preliminary engineering and environmental services in support of a public assistance grant application to FEMA, final design of repairs to the dam, and construction phase services during the stabilization project. FNI worked closely with FEMA and other regulatory agencies throughout the funding and design process. Construction of the stabilization project is expected to begin in 2018.

**Mary Rhodes Phase 2 Pipeline and Pump Stations | City of Corpus Christi | Project Manager** | FNI provided planning, design, and construction management services for the TWDB-funded \$125 million Mary Rhodes Phase 2 project. The project included 41 miles of 54-inch raw water pipeline, ground storage tank, intake pump station site on the Colorado River, sedimentation basin, and booster pump station and tie-in to the existing 101-mile Mary Rhodes Phase 1 pipeline system.

**Dry Comal Creek Flood Retarding Structure | Comal County | Project Manager** | FNI provided an assessment, final design and construction of a new 1,500-foot-long roller compacted concrete (RCC) gravity dam. FNI performed site investigations, geotechnical analyses, stability analyses and final design, which included a deep cut-off wall and foundation improvements. The design and construction phases for the project were fast-tracked to accommodate key milestones associated with federal funding for the project.

**Zedler Mill Bank Reclamation | City of Luling | Senior Advisor** | FNI is addressing damage to the slide gates, slide gate operational access, and restoration of the immediate upstream river bank with open-cell bulkhead structures. The bank stabilization consists of 500 LF with an additional 75 feet of bank reclamation to be included, if approved by the Owner. Environmental tasks included USACE Section 404 permitting which consisted of Dam Rehabilitation authorized by NWP 3: Maintenance without a PCN and NWP 13: Bank Stabilization with a PCN. FNI performed a threatened and endangered species habitat assessment including a freshwater mussel survey.



## CHRIS TREVINO, PE, CCM

### QA/QC: Transportation

Chris Trevino is the Central Texas Transportation Group Manager located in FNI's San Antonio office. His experience includes transportation design, project management, construction inspection, construction management, program management, and client/owner representation for infrastructure and heavy civil-related projects with public and private sectors giving him a first-hand understanding of local governments' challenges and needs.

### RELEVANT PROJECT EXPERIENCE

#### Experience

16 years

#### Education

MBA, Project Management,  
University of Texas at San Antonio

BS, Architectural Engineering,  
University of Texas at Austin

#### Registration

Professional Engineer, Texas  
#102438

Certified Construction Manager  
#6114

**Street Maintenance Program 2020 | City of Alamo Heights | Senior Advisor |** FNI to provide field engineering, plan sheet development, contract development and client representation during the bid and construction Phases. The Alamo Heights Street Maintenance Program provides plan sheets for street improvements (including mill and overlay and spot pavement repairs) for 19 streets within the City of Alamo Heights.

**Hidalgo/Roosevelt Utility and Roadway Improvements | City of Seguin | Project Team |** Provided design, bid and construction phase services for two residential streets in Northwest Seguin near IH 10. Together, the project includes 1,780 LF of roadway improvements and 3,220 LF of water and sewer main improvements.

**North Burleson Street Improvements | City of Kyle | Project Team |** FNI designed the reconstruction and widening of North Burleson Street from a two-lane rural section to a three-lane, curb-and-gutter section; elimination of a low-water crossing; drainage improvements; and sidewalk from Miller Street to a new connection with IH 35 Frontage Road.

**Staff Augmentation and Project Controls | New Braunfels Utilities | Project Team |** FNI is providing third-party review and assessment of the City's in-place systems, processes and resources for managing capital project delivery. Gathered data from various departments, interviewed key personnel and delivered a report on prioritized recommendations for controls to manage \$86 million bond program.

**Staff Augmentation FY 2020 | City of Pflugerville | Project Team |** FNI is providing staff augmentation services, including project management for Capital Improvement Program (CIP) roadway projects, construction management training, management of standard specifications and details updates, and miscellaneous engineering support for the City of Pflugerville.

**Bexar County Flood Control Program\* | Bexar County | Construction Manager |** Chris served as the Deputy Program Construction Manager for the Bexar County Flood Control Program. The Program invested \$500 million over 10 years to construct approximately 50 flood control projects throughout Bexar County.

**Blanco Road Phase II\* | Alamo RMA | Project Manager |** Chris served as the Owner Project Manager for the design phase of the Blanco Road Phase II Project. Chris was responsible for administering the project budget, reviewing consultant submittals to verify compliance with project requirements and constructability. The federally funded project expanded Blanco Road from a two-lane road to a four-lane road with operational and drainage improvements from West Oak Estates to Borgfeld Drive.

*\*Experience prior to FNI.*



## BLAINE LAECHELIN, PE, CFM

### Drainage

Blaine Laechelin is a Corpus Christi-based leader in FNI's Central Texas Stormwater Group. He has worked on a variety of stormwater and water resources projects and is familiar with the region's watersheds and drainage criteria. He is experienced in H&H analyses, detention analysis, floodplain modeling and studies, dam stabilization and modernization projects, creek stabilization, water quality design, culvert and bridge analyses, and roadway storm drain design. His computer software experience includes HEC-RAS (Steady and unsteady flow regimes), Geo-RAS, ArcGIS, HEC-HMS, HEC-2, HEC-1, SITES, TR-20, HMR-52, Culvert Master, StormCAD, Flowmaster and AutoCAD.

#### Experience

16 years

#### Education

BS, Civil Engineering, Texas A&M University

#### Registration

Professional Engineer, Texas  
#103616

Certified Floodplain Manager  
#1460-08N

#### RELEVANT PROJECT EXPERIENCE

**Hopkins Street Reconstruction | City of San Marcos | Project Manager | FNI** designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Drainage Bond Projects | City of Buda | Assistant Project Manager | FNI** studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects.

**Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM | USACE Fort Worth/Galveston Districts | Project Engineer | FNI** is providing design services of 5 miles of earthen levee, 2,000 feet of floodwall, 1.3 miles of channel widening, sumps and storm drainage system to protect the City of Wharton.

**Belford Area Drainage Improvements | City of San Antonio | H&H Engineer | FNI** developed local flood mitigation solutions to reduce both the localized and street flooding while improving the outfall channel and reducing the downstream floodplain. The design improvements included 3,500 LF of new storm drain (RCP and RCB), utility adjustments, full roadway reconstruction (including curb/gutter and sidewalks), and 1,400 LF of open channel improvements. FNI developed the H&H analyses using traditional HEC-HMS, StormCAD and XPSMM to define drainage patterns and size the proposed storm drain system. The design was challenging due to the steep hills in the upper portion of the neighborhood and nearly flat terrain in the lower portion.

**Staples Street Reconstruction (Brawner to Kostoryz) | City of Corpus Christi | H&H Engineer | FNI** designed full-depth repair of the existing five-lane roadway using concrete pavement, including the addition of bicycle lanes in both directions.

**Ben Wilson Street Corridor - US Business 59 to Airline Road | City of Victoria | Project Engineer | FNI** is providing design, bid, and construction administration phase services for the reconstruction of approximately 2,800 LF of Ben Wilson Street between Airline Road and East Red River Street. This roadway segment will be reconstructed from an existing five-lane roadway section into a three-lane roadway reallocating the remaining space for sidewalk, landscaping and a raised median.



## JAY SCANLON, PE, CFM, ENV SP

### Drainage

#### Experience

29 years

#### Education

BS, Civil Engineering, University of Texas at San Antonio

#### Registration

Professional Engineer, Texas #82077

Certified Floodplain Manager #0511-03N

Envision Sustainability Professional

Jay Scanlon is an FNI Associate and Lead Technical Professional who has managed a variety of water resource design and stormwater projects. He has successfully worked with a number of clients, taking their projects from the conceptual planning stage through the design, permitting, and construction phases. Jay specializes in stormwater management and dam related projects and has a diverse design and management experience which includes storm drainage systems, channel design and stabilization, natural channel design, detention analysis and design, water quality design, watershed modeling, master drainage plans, dam design and modernization/rehabilitation, dam inspections, development of emergency action plans, and general site civil design including roadways and utilities. Jay is well versed in local, state and federal permitting and is regularly involved with public presentations including neighborhood meetings, Boards, Commissions and Council.

#### RELEVANT PROJECT EXPERIENCE

**Hopkins Street Reconstruction | City of San Marcos | QA/QC |** FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Drainage Bond Projects | City of Buda | Project Manager |** FNI studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects.

**Belford Area Drainage Improvements | City of San Antonio | Project Manager |** FNI developed local flood mitigation solutions to reduce both the localized and street flooding while improving the outfall channel and reducing the downstream floodplain. The design improvements included 3,500 LF of new storm drain (RCP and RCB), utility adjustments, full roadway reconstruction (including curb/gutter and sidewalks), and 1,400 LF of open channel improvements. FNI developed the H&H analyses using traditional HEC-HMS, StormCAD and XPSMM to define drainage patterns and size the proposed storm drain system. The design was challenging due to the steep hills in the upper portion of the neighborhood and nearly flat terrain in the lower portion.

**Uhland Road Improvements | City of San Marcos | Senior Advisor |** FNI is currently providing design services to reconstruct County Road, and portions of River Road and Uhland Road. The project includes increased multi-modal access, intersection improvements, storm sewer improvements including addition of a subsurface water quality treatment unit. The project involves coordination with the U.S. Fish and Wildlife for permitting of the proposed storm sewer outfall at the Blanco River. The project also includes water and wastewater utility relocation and improvements. This project was CDBG-DR funded.





## KIM PATAK, PE, CFM, ENV SP

### Drainage

Kim Patak, an FNI Associate, uses sustainable approaches for a variety of water resources and municipal stormwater projects, including stream restoration, mitigation and transportation projects. She is intimately familiar with Central Texas watersheds and understands the area's flooding, erosion and water quality challenges. She is experienced in H&H analyses, storm drain analysis and design, stream assessments, fluvial geomorphology, bio-technical stabilization, natural channel design, detention analysis and design, water quality analysis and design, floodplain studies and construction services. Kim is recognized by clients for her ability to lead multidiscipline teams located across different offices and to effectively manage project communications.

#### Experience

21 years

#### Education

BS, Civil Engineering, University of Texas at Austin

#### Registration

Professional Engineer, Texas #97367

Certified Floodplain Manager #0650-04N

Envision Sustainability Professional

#### RELEVANT PROJECT EXPERIENCE

**Drainage Bond Projects | City of Buda | Project Engineer** | FNI studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects.

**Pack Saddle Pass Channel Stabilization | City of Austin | Senior Advisor** | FNI provided biotechnical rehabilitation to stabilize a confined channel. The rehabilitation included a natural rock-lined bottom with plunge pools and limestone boulder toe. The project included an environmental site assessment, survey, geotechnical investigations, H&H modeling, evaluation of alternate configurations and total project cost estimates. Final design allowed permitting under a USACE Nationwide Permit without the need for notification. Kim provided QA/QC for construction and permitting documents and H&H modeling.

**MLK, Jr. Boulevard Transit Oriented Development Drainage Study and Final Design | City of Austin | Project Manager/Engineer** | FNI performed the preliminary and final design services to improve stormwater conveyance for the drainage area contributing to MLK, Jr. Boulevard west of Boggy Creek. Kim was ultimately responsible for all tasks of the project, but was the Task Lead for the final design of stormwater infrastructure improvements. Responsibilities included H&H modeling; storm drain design, including both large box culvert and RCP improvements; channel improvements; the relocation and installation of water and wastewater mains; and permitting.

**Stormwater Pond Safety Program | City of Austin | Project Engineer** | FNI performed an evaluation of 66 potential high-hazard dams and ponds and recommendations required to rehabilitate each. FNI prioritized the rehabilitations and recommended that the City develop a CIP to implement a Pond Dam Safety Program. The final CIP included cost estimates and preliminary alternative analyses to allow the City to budget for and move forward with improvements. Kim served or is currently serving as the Engineer-of-Record for five dams, QA/QC for two dams and general representative for five dams. Her assignments include project management, CIP development, H&H analyses, alternate analysis, final design, permitting, construction representation, inter-departmental and stakeholder coordination.



## GARRETT JOHNSTON, PE, CFM, GISP

### H&H Modeling

#### Experience

13 years

#### Education

MS, Civil Engineering, Texas A&M University

BS, Civil Engineering, Texas A&M University

#### Registration

Professional Engineer, Texas  
#115779

Certified Floodplain Manager,  
Texas #2320-12N

Geographic Information Systems  
Professional #91637

Garrett Johnston is an Austin-based stormwater engineer with professional experience in watershed-level modeling and mapping, stormwater master plans, and development and design of flood mitigation alternatives. He specializes in 1-D and 2-D stormwater modeling and automated processing of results to present clear, consistent deliverables to clients. Garrett regularly teaches HEC-RAS 2-D workshops at dam safety and floodplain management conferences, and is proficient in HEC-HMS, HEC-RAS, InfoWorks ICM, FEMA BCA, ArcGIS, ModelBuilder, and Python automation. He has also developed several automated in-house tools for processing radar rainfall, summarizing precipitation frequency data and rapid benefit-cost analysis based on 2-D modeling results.

#### RELEVANT PROJECT EXPERIENCE

**San Jacinto Regional Watershed Drainage Master Plan | Harris County Flood Control District | Assistant Project Manager** | FNI is conducting a comprehensive flood mitigation master drainage plan of the San Jacinto River Basin's major streams, which will identify vulnerability to flooding hazards that result in loss of life and property, develop approaches to enhance public information and flood level assessment capabilities during a disaster, and evaluate flood mitigation strategies that can be implemented both near-term and over the long-term to improve community resilience. Garrett is managing the FNI H&H team and developed a unique rapid benefit-cost analysis approach for evaluating regional detention and channelization alternatives.

**Drainage Bond Projects | City of Buda | Project Engineer** | FNI studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects. Garrett provided 2-D stormwater modeling services and design services in support of final design of a major drainage CIP adjacent to Onion Creek. Garrett also prepared two separate FEMA benefit-cost analyses (BCAs) for Hazard Mitigation Grant Program (HMGP) applications to receive FEMA funding for construction of this major drainage CIP. The BCAs evaluated the project impact on hundreds of structures based on 2-D model results. The City received HMGP funding and the project is currently under design.

**Hopkins Street Reconstruction | City of San Marcos | Assistant Project Manager** | FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure. Garrett was responsible for the 2-D hydraulic modeling and PER and provided QC and additional hydraulic modeling in support of the final storm drain design.

**Stormwater Master Plan | City of Bryan | Project Engineer** | Development of a sustainable stormwater master plan and CIP that can be maintained by City staff and applied to future CIP projects, including identification of areas of future need and develop a screening process to allow future projects to be included into the CIP.



## NICK CECAVA, PE, CFM

### Transportation

Nick Cecava is an Associate and Project Manager in FNI's Corpus Christi office, specializing in municipal transportation, utility and drainage design, and construction management projects. He has experience in managing large, multidiscipline project teams to complete complex projects. Nick's experience includes roadway, drainage and trail design; development plan reviews; quality control reviews; franchise utility relocation/coordination; and construction inspection. Prior to joining FNI, Nick worked for the City of Dallas Public Works and Transportation Department, and he has in-depth knowledge of municipal infrastructure systems, staff priorities and city design and permitting processes.

#### Experience

19 years

#### Education

BS, Civil Engineering, New Mexico State University

#### Registration

Professional Engineer, Texas #97391

Certified Floodplain Manager #0939-06N

#### RELEVANT PROJECT EXPERIENCE

**Staples Street Reconstruction (Brawner to Kostoryz) | City of Corpus Christi | Project Manager** | FNI designed full-depth repair of the existing five-lane roadway using concrete pavement, including the addition of bicycle lanes in both directions. The project includes close coordination with adjacent W.B. Ray High School and Corpus Christi ISD to facilitate safe access for students and pedestrians during the construction phase.

**Hopkins Street Reconstruction | City of San Marcos | Project Engineer** | FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Mary Rhodes Pipeline, Phase 2 | City of Corpus Christi | QA/QC** | FNI provided planning, design, and construction management services for the TWDB-funded \$125 million Mary Rhodes Phase 2 project. The project included 41 miles of 54-inch raw water pipeline, ground storage tank, intake pump station site on the Colorado River, sedimentation basin, and booster pump station and tie-in to the existing 101-mile Mary Rhodes Phase 1 pipeline system.

**Schanen Ditch Bank Failure Investigation and Repairs | City of Corpus Christi | Project Manager** | Investigation, design and construction services for channel repair for slope failures. Improvements include improved outfalls into the channel with new headwalls, wingwalls, reinforced concrete pipe and rip-rap, as well as excavation and grading to address existing sloughed or damaged areas of the channel, and to establish the proper side slopes and slope protection for the channel.

**Ben Wilson Street Corridor - US Business 59 to Airline Road | City of Victoria | Project Manager** | FNI is providing design, bid, and construction administration phase services for the reconstruction of approximately 2,800 LF of Ben Wilson Street between Airline Road and East Red River Street. This roadway segment will be reconstructed from an existing five-lane roadway section into a three-lane roadway reallocating the remaining space for sidewalk, landscaping and a raised median.



## BRIAN BRESLER, PE

### Transportation

Brian Bresler is an Engineer in FNI's Infrastructure and Water Resources Groups. His experience includes roadway design, surface and underground storm water drainage design, underground and overhead utilities design, dam inspection, dam design and parking facility design. Brian has also conducted USACE permitting, construction cost estimating, construction phase services, subsurface utility engineering, water planning and public outreach.

#### RELEVANT PROJECT EXPERIENCE

##### Experience

15 years

##### Education

BS, Civil Engineering, Texas A&M University - Kingsville

BA, Government, University of Texas at Austin

##### Registration

Professional Engineer, Texas  
#112706

**Hopkins Street Reconstruction | City of San Marcos | Project Engineer |** FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Ben Wilson Street Corridor - US Business 59 to Airline Road | City of Victoria | Project Engineer |** FNI is providing design, bid, and construction administration phase services for the reconstruction of approximately 2,800 LF of Ben Wilson Street between Airline Road and East Red River Street. This roadway segment will be reconstructed from an existing five-lane roadway section into a three-lane roadway reallocating the remaining space for sidewalk, landscaping and a raised median.

**Staples Street Reconstruction (Brawner to Kostoryz) | City of Corpus Christi | Project Engineer |** FNI designed full-depth repair of the existing five-lane roadway using concrete pavement, including the addition of bicycle lanes in both directions. The project includes close coordination with adjacent W.B. Ray High School and Corpus Christi ISD to facilitate safe access for students and pedestrians during the construction phase.

**Uhland Road Improvements | City of San Marcos | Project Engineer |** FNI is currently providing design services to reconstruct County Road, and portions of River Road and Uhland Road. The project includes increased multi-modal access, intersection improvements, storm sewer improvements including addition of a subsurface water quality treatment unit. The project involves coordination with the U.S. Fish and Wildlife for permitting of the proposed storm sewer outfall at the Blanco River. The project also includes water and wastewater utility relocation and improvements. This project was CDBG-DR funded.

**Brawner Parkway - Kostoryz Road to Carroll Lane | City of Corpus Christi | Project Manager |** FNI is providing roadway and utility design services for an arterial roadway, to include roadway plan and profile, water, wastewater, and stormwater design, striping and signage, signalization, and special services such as public outreach, TDLR, traffic control, and bid and construction phase services.

**Bond 2020 Street Feasibility Report | City of Corpus Christi | Project Manager |** FNI to investigate street projects and provide scope and estimate for Bond roadway rehabilitation in the form of a street feasibility report.

**Packery Channel Improvements, Phase II | City of Corpus Christi | Design Engineer |** FNI provided design and construction services for new \$2.3 million parking facility along Packery Channel on Padre Island, including sidewalks and parking configured to protect the channel revetment from being undermined during storm events.





## SHANE TORNO, PE, PMP

### Structural

Shane Torno is an FNI Associate, Structural Engineer and Project Manager in FNI's Corpus Christi office. His structural engineering experience includes windstorm certifications, structural design, field studies and construction supervision. He has designed commercial, industrial and marine structures, as well as managed structural engineering teams for these projects. Shane has also conducted field studies and assessments evaluating conditions of existing structures.

### RELEVANT PROJECT EXPERIENCE

#### Experience

24 years

#### Education

BS, Ocean Engineering, Texas  
A&M University

#### Registration

Professional Engineer, Texas  
#89499

Project Management Professional  
#483497

**Hopkins Street Reconstruction | City of San Marcos | Structural Engineer |** FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Drainage Bond Projects | City of Buda | Project Engineer |** FNI studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects.

**Colorado River Intake Erosion Mitigation | City of Corpus Christi | Project Manager |** Investigation and mitigation design for erosion issues associated with Mary Rhodes Phase 2 Intake Structure. Includes development of design alternatives to withstand 10-year event during first two years of vegetation establishment, eventually to withstand 25-year event. Alternatives address streambank stabilization and in-channel structures.

**Bond 2020 Street Feasibility Report | City of Corpus Christi | Project Engineer |** FNI to investigate street projects and provide scope and estimate for Bond roadway rehabilitation in the form of a street feasibility report.

**Mary Rhodes Pipeline Phase 2 | City of Corpus Christi | Structural Engineer |** FNI provided planning, design, and construction management services for the TWDB-funded \$125 million Mary Rhodes Phase 2 project. The project included 41 miles of 54-inch raw water pipeline, ground storage tank, intake pump station site on the Colorado River, sedimentation basin, and booster pump station and tie-in to the existing 101-mile Mary Rhodes Phase 1 pipeline system.

**Ocean Drive Improvements (Buford to Louisiana) | City of Corpus Christi | Structural Engineer |** Full-depth pavement repair and road diet to reduce the existing roadway from six to four lanes with the addition of bicycle lanes. Other improvements will include full traffic signalization reconstruction at four intersections, stormwater improvements, water and sanitary sewer upgrades, new curb and gutter, new sidewalks and other ADA improvements.

**Bridge Study | City of Kerrville | Project Manager |** Developed a preliminary pedestrian bridge layout and OPCC for planning purposes. Used prefabricated bridge with concrete abutment and intermediate supports for the four 200-foot bridge segments.



## DUSTIN MORTENSEN, PE

### Water Resources

Dustin Mortensen is a firm Associate and Water Resources Project Manager/Engineer, specializing in the design, rehabilitation and inspections of dams and water resource structures. He has inspected more than 90 dams and is the Engineer of Record for more than 20 water resource projects. He has been a design engineer for large and small dam modification and design.

#### RELEVANT PROJECT EXPERIENCE

**Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM | USACE Fort Worth/Galveston Districts | Project Manager** | FNI is providing design services of 5 miles of earthen levee, 2,000 feet of floodwall, 1.3 miles of channel widening, sumps and storm drainage system to protect the City of Wharton.

**San Jacinto Regional Watershed Master Drainage Plan | Harris County Flood Control District | Project Engineer** | FNI is conducting a comprehensive flood mitigation master drainage plan of the San Jacinto River Basin's major streams, which will identify vulnerability to flooding hazards that result in loss of life and property, develop approaches to enhance public information and flood level assessment capabilities during a disaster, and evaluate flood mitigation strategies that can be implemented both near-term and over the long-term to improve community resilience.

**Zedler Mill Bank Reclamation | City of Luling | Project Manager** | FNI performed stabilization and reclamation of 475 LF of river bank with open-cell bulkhead structures, soil nails and rock riprap. The project protects the historic mill and important City amenities. It includes repair of the damaged slide gates and improved operation access to the gates. Environmental tasks included USACE Section 404 permitting which consisted of a Letter of Permission.

**Murphy Lake Emergency Dam Repairs | City of Taylor | Project Engineer** | Structural engineering for repairs to a multiple arch dam. Project included evaluation of the dam, replacement of training walls and grouting of voids beneath the buttresses and apron slab.

**Berry Springs Dam Reconstruction | Williamson County | Project Manager** | FNI designed a replacement of a failed wall, regrading the embankment and armoring the discharge channel. Performed H&H analysis, prepared plans and specifications and provided general representation during construction.

**Dry Comal Creek Flood Retarding Structure | Comal County | Project Engineer** | FNI provided an assessment, final design and construction of a new 1,500-foot-long roller compacted concrete (RCC) gravity dam. FNI performed site investigations, geotechnical analyses, stability analyses and final design, which included a deep cut-off wall and foundation improvements. The design and construction phases for the project were fast-tracked to accommodate key milestones associated with federal funding for the project.

#### Experience

16 years

#### Education

MS, Hydraulics, Utah State University

BS, Civil Engineering, Utah State University

#### Registration

Professional Engineer, Texas  
#100000



## GRADY HILLHOUSE, PE

### Water Resources

Grady Hillhouse is a Project Manager/Engineer in FNI's Water Resources Design group specializing in heavy civil and waterway projects. He has worked and managed a wide variety of hydraulic structures including dam rehabilitations, outfall structures and bank stabilizations. Grady's expertise is in H&H analysis including storm hydrology, 1-D and 2-D hydraulic modeling, dam breach analysis, 3-D computational fluid dynamics (CFD) and flood damage assessment. He is experienced in the development of construction contract documents and construction oversight for dams, drainage, waterway and other heavy civil projects.

#### Experience

9 years

#### Education

MEng, Civil Engineering, Texas A&M University

BS, Environmental Science, Texas State University

#### Registration

Professional Engineer, Texas  
#124857

#### RELEVANT PROJECT EXPERIENCE

**Spring Lake Dam Emergency Stabilization | Texas State University System | Project Manager** | FNI provided engineering services related to Spring Lake Dam, including existing condition assessment of the dam, alternatives analysis for long-term modernization of the dam, preliminary engineering and environmental services in support of a public assistance grant application to FEMA, final design of repairs to the dam, and construction phase services during the stabilization project. FNI worked closely with FEMA and other regulatory agencies throughout the funding and design process. Construction of the stabilization project is expected to begin in 2018.

**Concepción Creek Outfall Repairs | San Antonio River Authority | Project Manager, Engineer-of-Record** | FNI designed the modifications and repairs to a highly visible outfall structure that was severely damaged during a 2016 flood event. The final design included removal of the existing damaged concrete, lowered basin floor in the outfall, baffle blocks for energy dissipation, and soil nail slope stabilization. FNI also provided construction services.

**Denman Dam Modernization | City of San Antonio | Design and Construction Oversight** | FNI conducted H&H analysis and prepared designs for modernization of Denman Dam within Denman Estate Park. The modifications included the addition of a new concrete spillway that allows the dam to safely pass the design storm without overtopping. The spillway features two pedestrian bridges to maintain connectivity of the hiking trail and minimize the visual impact to the park's natural beauty. A follow-up project included an earthen peninsula and clay liner within the pond. Grady supported the design effort and served as the engineer during construction.

**Fischer Park Dam Spillway Repair | City of New Braunfels | Project Manager** | After flood damages caused severe erosion on the dam's primary spillway, FNI performed an evaluation, including slope stability analysis and hydraulic capacity, and design of a new concrete spillway, as well as development of Emergency Action and O&M Plans for Fischer Park No. 1 Dam. The project includes H&H modeling and preliminary design of overtopping protection for Landa Park Lake Dam.

**Upper East Fork Laterals FRS No. 5B Rehabilitation | TSSWCB | Project Manager, Engineer-of-Record** | As part of a multi-dam rehabilitation program, Grady managed the team designing the rehabilitation for an NRCS flood retarding structure in north Texas. The project included raising and regrading the earthen embankment, a new principal spillway and a new concrete labyrinth auxiliary spillway.



## TOM DIXON

### Environmental

Tom Dixon is an FNI Ecologist and Project Manager. His experience emphasizes wildlife habitat management, coastal and wetland ecology, Southeastern U.S. plant community ecology, predictive statistical modeling, and ecological processes and functions. Prior to joining FNI, he conducted research and provided habitat management recommendations regarding federally listed species for the energy industry (birds) and the U.S. Navy (mammals). His main contracts involve work with the federal and state agencies; municipalities; energy sectors, such as oil and gas, wind; linear projects, including transportation, transmission lines, pipelines; and coastal restoration.

#### Experience

17 years

#### Education

MS, Wildlife Ecology, Texas A&M University

BS, Wildlife Ecology, Texas A&M University

#### RELEVANT PROJECT EXPERIENCE

**Highlands Division Environmental Program | San Jacinto River Authority | Task Order Manager** | Tom led efforts to obtain environmental approvals associated with a large canal improvement project to meet increased industrial demands. Environmental approvals were necessary to obtain TWDB funding. Efforts included field surveys and extensive agency coordination with several state and federal agencies. Project actions included infrastructure improvements, maintenance dredging, and disaster response actions. Environmental clearances were needed to obtain TWDB funding.

**Third-Party EIS, PCCA Channel Improvement | USACE | Deputy Project Manager**

| Tom is part of a team selected as objective consultants to perform NEPA environmental reviews and to develop an EIS for Port of Corpus Christi Authority to obtain a permit to dredge to 80-foot depth in the federal channel to accommodate VLCCs for global crude export.

**Coastal Texas Restoration and Protection Feasibility Study and EIS | Texas GLO and USACE | Task Manager**

| Tom is assisting a study developing an array of alternatives to address both ER and CSRM opportunities covering the entire Texas Coast. He is responsible for assisting in client coordination, team coordination, preparation of and attendance at public meetings, coordination with the USACE/GLO and other state and federal agencies, and preparation of the EIS.

**Magnolia Inlet Restoration | Texas A&M University and Texas GLO | Project Manager/Environmental Scientist**

| Tom led a permitting effort to restore tidal exchange at the inlet to Old Town Lake. Proposed actions include excavation of accumulated shell to restore tidal connections and shoreline stabilization with the material (beneficial use). Efforts include field delineations, threatened and endangered species evaluations, and agency coordination. The project is also one facet of a much larger marsh restoration plan in Old Town Lake near Magnolia. Environmental clearances were needed to obtain GLO funding. This project won a TCEQ Environmental Excellence Award in 2016.

**Spring Lake Dam Emergency Stabilization | Texas State University System | Project Scientist**

| FNI provided engineering services related to Spring Lake Dam, including existing condition assessment of the dam, alternatives analysis for long-term modernization of the dam, preliminary engineering and environmental services in support of a public assistance grant application to FEMA, final design of repairs to the dam, and construction phase services during the stabilization project.





## KARA MARKS

### Environmental

Kara Marks is one of FNI's lead environmental project managers and scientists. She has extensive experience with a wide range of environmental projects dealing with legacy pollution issues, environmental permitting, storm water management and general environmental compliance through projects at FNI as well as with her previous employers which include the U.S. Air Force and the TCEQ. She also has extensive storm water management experience, having worked with multiple NPDES/TPDES stormwater general permits related to construction activities, industrial activities, and MS4s. Kara has prepared numerous SWP3s and conducted compliance inspections/audits as part of operations and during construction.

#### Experience

21 years

#### Education

MS, Environmental  
Management, Hardin-Simmons  
University

BS, Environmental Science,  
McMurry University

#### RELEVANT PROJECT EXPERIENCE

**Environmental Compliance for Chisholm Trail Parkway (SH 121) Section 2 | North Texas Tollway Authority | Team Leader** | As subcontractor, served as team leader for ongoing, on-call environmental compliance services to North Texas Tollway Authority (NTTA) for the various construction phases of this project. Reviewed existing environmental documentation and developed plans to further investigate potential contamination concerns in project ROW to verify that site conditions are consistent with previous findings related to the leaking petroleum storage tank investigations.

**Southton Road Emergency Sewer | San Antonio Water System | Environmental Scientist** | \$2.4 million emergency design of 4,800 LF of 48-inch gravity sewer main and siphon replacement, including hydraulic modeling, roadway design and traffic phasing. The emergency project was designed in three weeks with construction completed in 90-days and is one of the largest emergency projects in SAWS history.

**Regulatory Coordination for Downtown Redevelopment | City of Tyler | Environmental Scientist** | Phase I and limited Phase II Environmental Site Assessments for multiple parcels of commercial property located in downtown Tyler. Conducted a Phase I Environmental Site Assessment for the sites and the surrounding area in accordance with ASTM Standard E-1527 and limited soil sampling and analysis to characterize environmental conditions of surface soils at the sites. Assisted the City with TCEQ documentation to obtain a Municipal Setting Designation and site closure under Voluntary Cleanup Program.

**Municipal Separate Storm Sewer System Services | City of DeSoto | Assistant Project Manager** | FNI is providing a review of the City's stormwater quality management program (SWMP) to comply with the City's Texas Pollutant Discharge Elimination System (TPDES) Phase II municipal separate storm sewer system (MS4) permit and to update the City's SWMP to comply with revised specifications of the TPDES MS4 permit.

**Medio Creek Drainage Improvements | Bexar County | Assistant Project Manager** | FNI performed archaeology, historical, Phase I and jurisdictional determination surveys and prepared USACE permit application as part of a drainage improvements project along Medio Creek in the Sunset Subdivision. FNI also provided coordination with USACE and responded to comments.



## MARK EVANS

### Funding Program Compliance

Mark Evans serves as FNI's Funding Specialist, providing technical assistance to FNI staff and clients on multiple funding alternatives, including low interest loans, grants, disaster relief and hazard mitigation type funding programs for stormwater, water and wastewater opportunities. Mark has extensive experience with mapping out traditional and disaster response emergency relief funding strategies that involves both grant (principal forgiveness) and low-to-zero-interest loans to assist clients with building needed infrastructure projects as quickly as possible. These strategies are customized for each client based on their constraints and long-term development goals. In the last two years, Mark has worked on more than 15 projects funded by agency programs and have assisted clients in accessing more than \$348 million in funding.

#### Experience

20 years

#### Education

BBA, Finance, University of Texas at Austin

#### RELEVANT PROJECT EXPERIENCE

##### **Seawater Desalination | City of Corpus Christi | Application Phase Assistance |**

Application for funding to the TWDB for a project needed to improve the regional water system's reliability in response to drought and verify supply exceeds demand by 25 percent. The application resulted in a more than \$222 million below-market rate loan commitment from the State Water Implementation Fund for Texas (SWIFT).

**Funding Application for Energy-Efficient Brackish Groundwater Desalination Production Facilities | North Alamo Water Supply Corporation | Application Phase Assistance |** Application for funding to the Texas Water Development Board (TWDB) for the implementation of the Title XVI Feasibility Study; specifically, increasing brackish groundwater desalination production capacity by 1 MGD by means of an innovative energy-efficient desalination process reliant on nano-filtration membranes. The application resulted in the Water Supply Corporation receiving a commitment of almost \$17.5 million in a below-market rate loan and a grant from the Drinking Water State Revolving Fund (DWSRF).

**Funding Application for Reuse System Expansion | City of Cleburne | Application Phase Assistance and Funding Program Compliance |** Application for funding to TWDB for improvements at the Cleburne WWTF to increase capacity and provide 4 MGD of high-quality reclaimed effluent for indirect potable reuse and direct non-potable reuse applications. In addition, the funding application will finance construction of a pump station and a pipeline to transfer high quality reclaimed effluent to the permitted outfall on the City's primary water supply reservoir (IPR) as well as industrial and non-consumptive users on the City's west side. The application resulted in the City receiving a commitment of \$42 million in a below-market rate loan and a grant from the Clean Water State Revolving Fund (CWSRF). The project also includes on-going reporting and compliance tasks through construction completion as required by the CWSRF program and the TWDB.

**Funding Application for WWTP Improvements | City of Port Arthur | Application Phase Assistance |** Application for funding to the Texas Water Development Board for improvements to the Main WWTP to address aging infrastructure that is operating in a state of imminent failure. The City is already being funded by the TWDB through the Clean Water State Revolving Fund (CWSRF) for the planning, acquisition, and design. The application resulted in the City receiving a commitment of \$60.6 million in a below-market rate loan and a grant from the CWSRF.



## CHANCE SPARKS, AICP, CNU-A

### Urban Planning

Chance Sparks is an award-winning urban planner in FNI's Urban Planning+Design Group in our San Marcos office. He is experienced in local government planning and implementation, city management, public participation and involvement, process development and management, demographic analysis, economic development and finance, comprehensive and strategic planning, parks-related planning and tourism, neighborhood planning, downtown and corridor planning, project management, development regulations, visioning, historic preservation, annexation/growth policy development and analysis, graphic presentation, urban design, capital and operations budgeting and development analysis.

His 17+ years of experience in municipal and state-level planning, coupled with experience in city management and operations, give him exceptional insight into community needs and capacity as someone who has carried plans beyond adoption and into reality.

#### Experience

17 years

#### Education

MPA, Urban and Environmental Planning, Texas State University

BS, Geography - Urban and Regional Planning, Texas State University

#### Registration

American Institute of Certified Planners #022822

Congress for New Urbanism

#### RELEVANT PROJECT EXPERIENCE

##### **Disaster Recovery\* | Texas Department of Rural Affairs | Senior Program Analyst**

| Chance led programs to implement long-term planning and sustainability into disaster recovery programs. Chance developed and implemented citizen participation plan, involving more than 200 citizens at a single meeting, as well as the first use of technology in Texas Community Development Block Grant (CDBG) public participation. He provided guidance to division staff regarding the development and integration of new methods and procedures. Chance managed professional services contracts for \$3.2 billion CDBG Supplemental Disaster Recovery program for the State of Texas. Chance researched and developed waivers to Housing and Urban Development (HUD) regulations to accommodate the unique needs of disaster recovery.

##### **Stormwater Plan and Ordinance | City of Port Aransas | Project Manager | FNI**

is providing codification of sustainable drainage best practices into regulatory language to reduce non-point source (NPS) pollution and protect vital fish habitat in response to recent increases in land development activity. The work is in association with Texas General Land Office CMP Cycle 24 program funds, with a goal to reduce NPS pollution in local waters, reduce flooding from improper drainage and high tides, and to inform local citizens of the value of coastal resources and their role in ensuring sound management and resiliency.

##### **Professional Service Agreement Unified Development Code | City of Brownsville**

| **Project Manager** | FNI is preparing the Unified Development Code by combining zoning regulations, subdivision regulations and a variety of supplemental regulations into a coordinated, modern, progressive set of standards.

##### **City Planning\* | City of San Marcos | Planning Manager/Chief Planner/Senior Planner**

| Chance managed the Downtown Master Plan and the Campus Edge Strategic Plan, as well as updates to the Sector Plans. He evaluated complex development proposals for consistency with adopted plans and best practices. He revised several elements of the Land Development Code and rendered design themes for the Wonder World Drive bypass. He administered the CDBG program.

*\*Experience prior to FNI.*



## BRENT MILLAR, CCM

### Construction Estimation

Brent Millar's background includes construction management for large-scale transportation projects, program construction management and client/owner representation. He is responsible for client communications and day-to-day coordination and serves as a primary point of contact with the contractor, inspection services and testing laboratories. He advances project goals and objectives by establishing project procedures and monitoring compliance. He helps to clearly define and maintain scope of work, schedule and budget and participates in client and construction meetings as an owner representative.

#### Experience

18 years

#### Education

BBA, University of Texas at San Antonio

#### Registration

Local Government Project Procedures (LGPP)

Certified Construction Manager

#### RELEVANT PROJECT EXPERIENCE

**Hopkins Street Reconstruction | City of San Marcos | Cost Estimator** | FNI designed the reconstruction of Hopkins Street, a major arterial into downtown San Marcos that bisects a national historic district. FNI used complete streets design tools to create conceptual plans for the corridor while addressing major local drainage issues and replacing the utility infrastructure.

**Drainage Bond Projects | City of Buda | Constructability Reviewer** | FNI studied more than 30 various flooding and erosion problem areas identified by the City and developed conceptual solutions and cost estimates for each. Solutions were developed for a range of storm events due to constraints within the problem areas and/or planned improvements. FNI used existing models and past studies as the foundation in developing the solutions. FNI developed a ranking system with input from City stakeholders to prioritize the projects.

**Belford Area Drainage Improvements | City of San Antonio | Construction Manager** | FNI developed local flood mitigation solutions to reduce both the localized and street flooding while improving the outfall channel and reducing the downstream floodplain. The design improvements included 3,500 LF of new storm drain (RCP and RCB), utility adjustments, full roadway reconstruction (including curb/gutter and sidewalks), and 1,400 LF of open channel improvements. FNI developed the H&H analyses using traditional HEC-HMS, StormCAD and XPSMM to define drainage patterns and size the proposed storm drain system.

**MLK, Jr. Boulevard Transit Oriented Development Drainage | City of Austin | Cost Estimator** | FNI conducted a drainage study and is performing final design services to improve stormwater conveyance for the drainage area contributing to MLK, Jr. Boulevard west of Boggy Creek in Austin. The principal goals of the study were to identify and evaluate methods to decrease localized flooding in the project area without adversely impacting the study area and Boggy Creek. Brent provided the preliminary construction cost estimate for the design team.

**Countywide Transportation Plan | Kaufman County | Cost Estimator** | FNI prepared a countywide plan that identifies current deficiencies in the existing transportation network and long-term mobility needs of the County through year 2035. Brent provided the preliminary construction cost estimate for the design team.

**North Burleson Street Improvements | City of Kyle | Cost Estimator** | FNI performed reconstruction and widening of North Burleson Street from a two-lane rural section to a three-lane, curb-and-gutter section; elimination of a low-water crossing; drainage improvements; and sidewalk from Miller Street to a new connection with IH 35 Frontage Road.





### Experience

22 years

## JESUS SUAREZ, III

### Construction Management

Jesus Suarez is a Construction Inspector in FNI's Corpus Christi office. He has more than 22 years of experience in Construction Management and Inspection. His Construction Management and Inspection experience includes the inspection of concrete and reinforcing steel used in foundations, piers, and other structures. Prior to beginning his career as a Construction Manager and Inspector, Jesus was a former United States Marine Corps Unit Supervisor where he provided instruction, supervision and evaluation of over 35 personnel. Jesus is bilingual and is an excellent teacher/trainer who is adept at managing multiple personality types. He is able to make difficult decisions in stressful situations and is successful in learning and comprehending new systems and methods.

### RELEVANT PROJECT EXPERIENCE

**54- and 48-Inch Treated Water Supply Pipeline Construction Services | San Patricio Municipal Water District | Construction Inspector** | FNI is providing full-time construction inspectors and general construction management for the proposed water pipelines. The work includes approximately 115,000 LF of 48" waterline, 3400 LF of pipe boring, installation of a prefabricated metal bridge structure and associated testing of pipe and concrete structures. Jesus is the lead inspector and client contact for the overall project.

**Kerrville Bridge Removal | City of Kerrville | Construction Inspector** | FNI is providing oversight and documentation for the removal of an aerial pipe bridge that washed away during a rain event. Jesus documented and stored the individual bridge components as they were removed from the water.

**Gruene Wastewater Treatment Plant Construction Management and Inspection | New Braunfels Utilities | Construction Inspector** | FNI is providing full-time construction inspection and part-time construction management for the 2.5-MGD expansion of the Gruene Wastewater Treatment Plant. The project will include a new plant at a new site out of the floodplain, odor control, sewer transfer pipe from the existing plant to the new plant, abandonment of the existing plant, abandonment of a lift station, and construction of a sewer transfer pipe from the Blieders Creek station to the new plant site.

**Experience**

35 years

**Education**

BS, Geological Engineering, New Mexico Institute of Mining and Technology

**Registration**

Professional Engineer, Texas  
#69142

LPST Project Manager  
#PM0000341, TCEQ

## PHILIP JOHNSON, PE

### Geotechnical



Philip Johnson has more than 35 years of experience in geotechnical engineering, construction materials testing and environmental consulting currently serves as PSI's Geotechnical Department Manager with a team based throughout south Texas. He has led geotechnical engineering departments, provided operations management for several small to moderate-sized offices and directed construction materials testing departments with up to 18 full-time field technicians. Philip has provided engineering design and recommendations for projects that include roadways and bridges, railroads, airport runways, taxiways and cargo ramps, multi-story buildings, industrial buildings and complexes, towers, industrial parks, primary and secondary educational facilities, parking garages, retaining structures, lagoons, pipelines and treatment plants.

#### RELEVANT PROJECT EXPERIENCE

**Harbor Bridge, TxDOT | Corpus Christi, TX**

**Interstate 10 Redd Road Interchange Improvements, TxDOT | El Paso, TX**

**US Highway 77 Improvements, TxDOT | Kingsville, TX**

**New Mexico Highway 18, NMDOT | Hobbs, NM**

**US Highway 380 Bridge Replacement, NMDOT | Carrizozo, NM**

**Cargo Development Ramp, Valley International Airport | Harlingen, TX**

**Bulverde Road Widening and Reconstruction | Bexar County, TX**

**Scenic Loop Reconstruction, Bexar County | Leon Springs, TX**

**Harmon Drive Reconstruction, Randolph AFB | San Antonio, TX**

**Union Pacific Railroad Strauss Yard | Strauss, NM**

**Fort Sam Houston Pavement Improvements | San Antonio, TX**

**IAAFA Training Complex, Lackland AFB | San Antonio, TX**

**Westfield Union Pacific Auto Support | Westfield, TX**

**Ben E. Keith Warehouse and Office Facility | Selma, TX**

**Kendall County Municipal Complex - Boerne | San Antonio, TX**

**Oracle Headquarters and Parking Garage | Austin, TX**

**UTSA Parking Lot Expansion | San Antonio, TX**

**Lackland HQ Building, Lackland AFB | San Antonio, TX**

**NRCS Plum Creek Dam Reconstruction | Kyle, TX**

**San Marcos CISD Athletic Complex | San Marcos, TX**

**Texas State University Bobcat Trail Improvements | San Marcos, TX**

**Laughlin AFB Sewage Lagoon Reconstruction | Del Rio, TX**

**Black & Decker Plant and Warehouse | Reynosa, Mexico**

**Samalayuca Gas Crossing | El Paso, TX and Ciudad Juarez, Mexico**

**Experience**

5 years

**Education**MS, Civil Engineering, Texas A&M  
University in KingsvilleBS, Civil Engineering, University  
of Texas – Pan American**Registration**Engineer in Training, Texas  
#52644

# ROCKFORD MILLER, EIT

## Geotechnical



Rockford Miller has conducted geotechnical engineering explorations and studies involving various geotechnical engineering analyses including shallow and deep foundations, settlement analyses, expansive and collapsible soils, soil corrosivity, slope stability analyses and pavement thickness design. He has also conducted numerous Phase I and some Phase II Environmental Site Assessments and environmental sampling. Additionally, Rockford has experience in field and laboratory testing of soils and aggregates.

**RELEVANT PROJECT EXPERIENCE****City of Brownsville Roadway Improvements Project | Brownsville, TX****Brownsville Public Utility Board Weir Improvements | Brownsville, TX****IDEA Sports Park | Brownsville, TX****South Port Connector | Brownsville, TX****Casa Sum Tank Farm | Port of Brownsville, TX****San Perlita Elementary School | San Perlita, TX****Harlingen CISD Various Track Assessments and Repairs | Harlingen, TX****Harlingen CISD Various Campus Pavement Improvements, | Harlingen, TX****Harlingen CISD Baseball Park Improvements | Harlingen, TX****EK Atwood Park Improvements | South Padre Island, TX****LMWD Port Isabel Wastewater Treatment Plant Sludge Monofill Activation Water and Methane Monitoring Plans and Geotechnical Study | Port Isabel, TX****Border Pacific Railroad ESA Phase 2 | RGC, TX****Primera Road Tract ESA Phase 1 | Primera, TX****Baldwin Superfund Site ESA Phase 2 | Robstown, TX****Donna Val Verde Road Vacant Tract ESA Phase 1 | Donna, TX****White Ranch Road Vacant Tract ESA Phase 1 | La Feria, TX****La Posada Providence Shelter | San Benito, TX****San Benito Cultural Museum | San Benito, TX****Titan Tank Farm | Port of Harlingen, TX****Border Patrol C2/RVSS Improvements | Harlingen, Weslaco, Brownsville and McAllen, TX****Harlingen Water Works Systems Sludge Dewatering | Harlingen, TX****Henderson Rd Resaca Crossing Improvements | Los Fresnos, TX****Cirlice X Seawall on Arroyo Colorado | Arroyo City, TX****Lagarto Ally Reconstruction and Boulder Farms Parking Lot | Pharr, TX****Zamorano Development | La Feria, TX****Lyford Sanitary Sewer Line Improvements | Lyford, TX**

## Experience

28 years

## Education

PhD, Anthropology, University of Kansas

MA, Anthropology, University of Alabama, Tuscaloosa

BA, Anthropology, University of Alabama

## Registration

Registered Professional  
Archaeologist

# TIM GRIFFITH, PHD

## Archaeological



Tim Griffith has more than 28 years of professional experience in the management of cultural resources and is AmaTerra's Archeology Program Manager and a senior principal investigator involved in overall planning, management, and direction of cultural resources projects to assist our clients—federal and state agencies, local governments, and private industry—in complying with federal and state laws concerning archaeological and historical resources.

Tim manages archaeological surveys, excavations, research, and analysis projects and produces oral and written reports as well as cultural resource management plans. His experience includes project planning, coordinating with clients and regulators, implementing field projects, directing data analysis, and overseeing reporting efforts. His experience with both prehistoric and historic projects, in addition to his experience in the fields of zoo-archaeology, bio-archaeology, forensic anthropology, and geological archaeology, greatly contribute to his capabilities as a project manager and principal investigator.

As Principal Investigator for Archaeology, Tim develops cost effective technical approaches and implements these in scientifically based work plans. He plans, directs, and personally conducts archaeological research, including research designs, surveys, site testing, and data recovery excavations of both prehistoric and historic sites. He directs and conducts analysis of archaeological data and is the author or contributor to more than 100 publications, reports, and professional presentations.

## RELEVANT PROJECT EXPERIENCE

**Data Recovery at 41CM204 – Comal County | New Braunfels Utilities | Project Manager and Principal Investigator** | Deep excavations near the headwaters of the Comal River showing multiple stratified occupations. Developed the excavation plan, supervised field work.

**Data Recovery at 41CR61 and 41CR64 – Crane County | Texas Department of Transportation | Project Manager and Principal Investigator** | Data recovery excavations of a Middle Archaic to late prehistoric site in Crane County. Developed the data recovery plan, supervised field work and laboratory analysis, and co-authored the technical report.

**National Register Testing at 41DN593 and 41DN594 – Denton County | Texas Department of Transportation | Project Manager and Principal Investigator** | NRHP assessments of two 19th Century railroad related sites. Developed the testing plan, supervised field work and laboratory analysis, and co-authored the technical report. For the Texas Department of Transportation.



**Education**

Associate of Applied Science,  
Texas Southmost College

**Registration**

Registered Professional Land  
Surveyor, Texas #5739

## JOSE LUIS VASQUEZ, RPLS

### Survey



Jose Luis Vasquez is responsible for overseeing all types of surveying projects, such as boundary and improvement surveys, route surveys, topographic surveys, ALTA/ACSM title surveys and the implementation of (GPS) Global Positioning System Technology for larger surveys. His responsibilities include project management, technical supervision of surveying, client communication, coordination with field crews, contractors, architects and civil engineers.

### RELEVANT PROJECT EXPERIENCE

**Texas Southmost College/University of Texas at Brownsville |** Construction staking of approximately 17 acres of parking area and design modifications.

**BPUB Old Alice Waterline |** Construction staking for a 12-inch waterline along Old Alice Road past the intersection of FM 511 approximately 0.75 mile.

**BPUB Weir |** Topographic survey of approximately 0.3 acre of land. Project scope included the preparation of metes and bounds description.

**Texas Southmost College/University of Brownsville |** Topographic and tree survey of approximately 17 acres and plat preparation for parking design.

**BPUB FM 511 & Old Alice |** Topographic survey and stake out of 10-foot-wide utility easement along FM 511 and Old Alice. Project scope included the preparation of metes and bounds description and staking of corners.

**Water Reservoir Plant No. 1 |** Topographic data collection of water reservoir for computation of maximum water storage volume.

**Palo Alto Battlefield |** Topographic data collection and plat preparation and stakeout for sanitary and water line services.

**Commercial Drive |** Topographic data collection and plat preparation for complete reconstruction of commercial drive.

**San Marcelo Boulevard |** Topographic data collection for entire San Marcelo Boulevard, including South San Marcelo and North San Marcelo.

**Hanna High School Electrical Substation |** Stake out location of transmission line power Poles at electrical substation.

**Resaca De La Guerra |** Gather cross-sections on Resaca de la Guerra North of Cameron Park Subdivision.

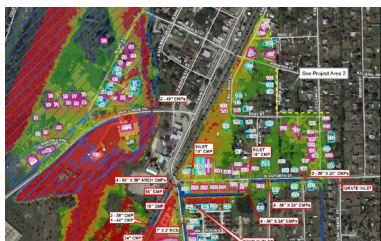
**Ruiz |** Topographic data collection of East Brownsville Subdivision No. 6 for preparation of construction drawing.

**Valle Hermoso |** Establish control points utilizing GPS technology and gather topographic data for preparation of construction documents.

**West 13th Street |** Topographic data collection for the preparation of construction drawings for utility and road reconstruction.

**East Loop |** Topographic data collection using GPS technology and the establishment of control points over the entire site based on the Texas South Zone coordinate system.

## REFERENCES



### CITY OF BUDA

**JOHN NETT, PE**

City Engineer

100 Houston Street, Suite A

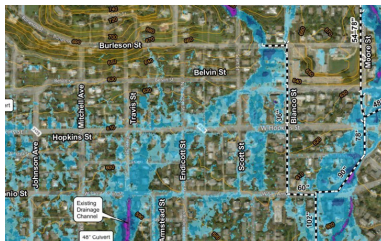
Buda, Texas 78610

512-312-0084

[jnett@ci.buda.tx.us](mailto:jnett@ci.buda.tx.us)

#### Client Projects:

- Drainage Bond Projects
- Water and Wastewater Impact Fee
- Meadows at Buda Lift Station Improvements



### CITY OF SAN MARCOS

**RICHARD REYNOSA, PE**

Senior Project Engineer

630 East Hopkins

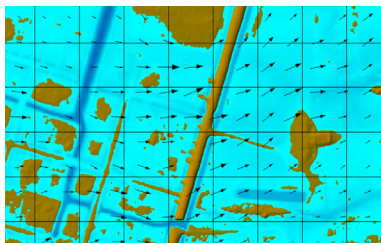
San Marcos, Texas 78666

512-393-8235

[rreynosa@sanmarcostx.gov](mailto:rreynosa@sanmarcostx.gov)

#### Client Projects:

- Hopkins Street Reconstruction
- Travis Outfall Stormwater Plant No. 3 Inspections
- Travis/Heritage (Hopkins) Outfall



### USACE-FORT HOOD DISTRICT

**TRACI FAMBROUGH**

Program Manager, Civil Branch

21st Old Park, Building 924

Fort Hood, Texas 76544

817-886-1485

[traci.a.fambrough@usace.army.mil](mailto:traci.a.fambrough@usace.army.mil)

#### Client Projects:

- Colorado River Levee Phase 2 and Baughman Slough (BBA18) FRM



### CITY OF SAN ANTONIO

**SEAN STRONG, PE**

Transportation and Capital Imp.

P.O. Box 839966

San Antonio, Texas 78283

210-207-8037

[sean.strong@sanantonio.gov](mailto:sean.strong@sanantonio.gov)

#### Client Projects:

- Belford Area Drainage Improvements
- North New Braunfels Avenue from East Houston Street to Burleson
- Redland Road North Reconstruction, Ridgewood Parkway to Loop 1604



### CITY OF CORPUS CHRISTI

**JEFF EDMONDS, PE**

Director of Engineering Services

1201 Leopard Street

Corpus Christi, Texas 78469

361-826-3500

[jeffrey@cctexas.com](mailto:jeffrey@cctexas.com)

#### Client Projects:

- Colorado River Intake Erosion Mitigation
- Mary Rhodes Pipeline, Phase 2
- Desalination Siting and Permitting
- O.N. Stevens Water Treatment Plant Raw Influent Improvements



### BROWNSVILLE PUBLIC UTILITIES BOARD

**MARIE LEAL, PE**

Director of W/WW Engineering,

Planning & Operations

1425 Robinhood Drive

Brownsville, Texas 78521

956-983-6100

[mleal@brownsville-pub.com](mailto:mleal@brownsville-pub.com)

#### Client Projects:

- Filter Rehabilitation at Water Treatment Plants 1 and 2
- Brownsville South Wastewater Treatment Plant
- South Wastewater Treatment Plant Chlorine Contact Chamber Sluice Gate Replacement

## FORMS



FREEAND-02

KGODWIN

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
9/8/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| <b>PRODUCER</b><br>Ames & Gough<br>8300 Greensboro Drive<br>Suite 980<br>McLean, VA 22102                 | <b>CONTACT NAME:</b><br>PHONE (A/C, No, Ext): (703) 827-2277 FAX (A/C, No): (703) 827-2279<br>E-MAIL ADDRESS: admin@amesgough.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------|-------------------------------------------------------------|-------|------------------------------------------------------|-------|---------------------------------------------------------|-------|------------------------------------------------|-------|------------------------------------------------------|-------|-------------|--|
| <b>INSURED</b><br>Freese and Nichols, Inc.<br>4055 International Plaza, Suite 200<br>Fort Worth, TX 76109 | <table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Hartford Underwriters Insurance Company A+ (XV)</td> <td>30104</td> </tr> <tr> <td>INSURER B : Twin City Fire Insurance Company A+ (XV)</td> <td>29459</td> </tr> <tr> <td>INSURER C : Hartford Casualty Insurance Company A+ (XV)</td> <td>29424</td> </tr> <tr> <td>INSURER D : Trumbull Insurance Company A+ (XV)</td> <td>27120</td> </tr> <tr> <td>INSURER E : Continental Casualty Company (CNA) A, XV</td> <td>20443</td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A : Hartford Underwriters Insurance Company A+ (XV) | 30104 | INSURER B : Twin City Fire Insurance Company A+ (XV) | 29459 | INSURER C : Hartford Casualty Insurance Company A+ (XV) | 29424 | INSURER D : Trumbull Insurance Company A+ (XV) | 27120 | INSURER E : Continental Casualty Company (CNA) A, XV | 20443 | INSURER F : |  |
| INSURER(S) AFFORDING COVERAGE                                                                             | NAIC #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER A : Hartford Underwriters Insurance Company A+ (XV)                                               | 30104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER B : Twin City Fire Insurance Company A+ (XV)                                                      | 29459                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER C : Hartford Casualty Insurance Company A+ (XV)                                                   | 29424                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER D : Trumbull Insurance Company A+ (XV)                                                            | 27120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER E : Continental Casualty Company (CNA) A, XV                                                      | 20443                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |
| INSURER F :                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |        |                                                             |       |                                                      |       |                                                         |       |                                                |       |                                                      |       |             |  |

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                              | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER: |           |          | 42UUNNI6224   | 10/23/2019              | 10/23/2020              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000 |
| B        | AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                                                                      |           |          | 42UENNI6305   | 10/23/2019              | 10/23/2020              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$                                                                                   |
| C        | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED <input checked="" type="checkbox"/> RETENTION \$ 10,000                                                                        |           |          | 42XHUBI1257   | 10/23/2019              | 10/23/2020              | EACH OCCURRENCE \$ 10,000,000<br>AGGREGATE \$ 10,000,000                                                                                                                                                                                    |
| D        | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                         | Y/N<br>N  | N/A      | 42WBCU2821    | 10/23/2019              | 10/23/2020              | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                                    |
| E        | Professional Liab.                                                                                                                                                                                                                                                                                             |           |          | AEH008214422  | 10/23/2019              | 10/23/2020              | Per Claim 5,000,000                                                                                                                                                                                                                         |

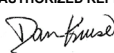
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

PROFESSIONAL LIABILITY AGGREGATE LIMIT: \$10,000,000

RE: RFP 2019-20-24, ENGINEERING/ARCHITECTURAL/SURVEYING SERVICES FOR COMMUNITY DEVELOPMENT BLOCK GRANT MITIGATION (CDBG-MIT)

## CERTIFICATE HOLDER

## CANCELLATION

|                                                             |                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| City of Weslaco<br>255 S Kansas Avenue<br>Weslaco, TX 78596 | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br>AUTHORIZED REPRESENTATIVE<br> |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

ACORD 25 (2016/03)

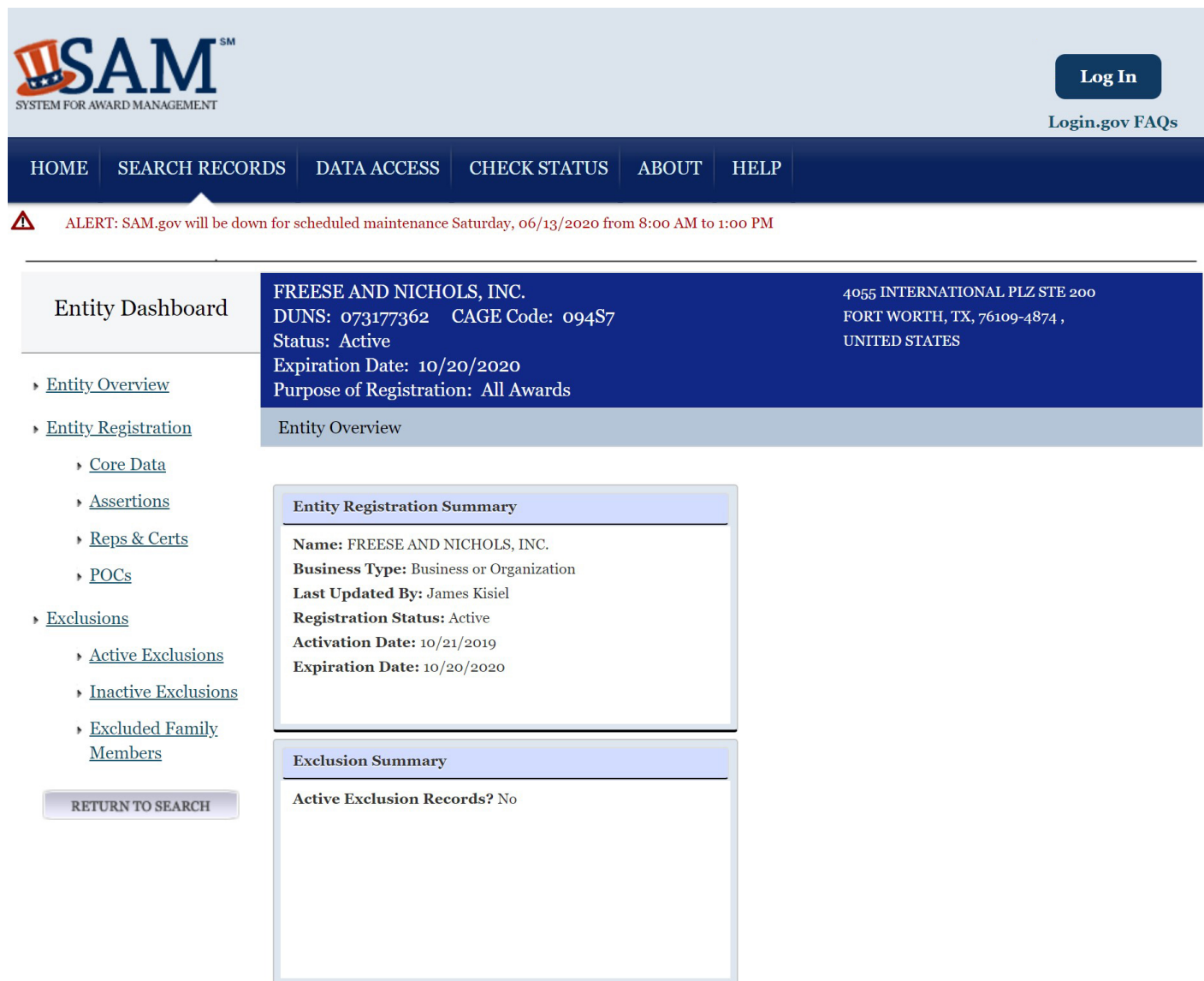
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## STATEMENT OF CONFLICT

FNI does not have any conflicts or contract revisions.

## SYSTEM FOR AWARD MANAGEMENT



The screenshot displays the SAM (System for Award Management) website. At the top, the SAM logo is on the left, and a "Log In" button and "Login.gov FAQs" link are on the right. A dark blue navigation bar contains links for HOME, SEARCH RECORDS, DATA ACCESS, CHECK STATUS, ABOUT, and HELP. Below this, a red alert banner states: "ALERT: SAM.gov will be down for scheduled maintenance Saturday, 06/13/2020 from 8:00 AM to 1:00 PM".

The main content area is titled "Entity Dashboard" and features a sidebar with a tree view of navigation options: Entity Overview, Entity Registration (with sub-links for Core Data, Assertions, Reps & Certs, and POCs), and Exclusions (with sub-links for Active Exclusions, Inactive Exclusions, and Excluded Family Members). A "RETURN TO SEARCH" button is located at the bottom of the sidebar.

The main content area displays information for "FREESE AND NICHOLS, INC." with the following details:

- DUNS: 073177362 CAGE Code: 094S7
- Status: Active
- Expiration Date: 10/20/2020
- Purpose of Registration: All Awards
- Address: 4055 INTERNATIONAL PLZ STE 200, FORT WORTH, TX, 76109-4874, UNITED STATES

Below this information, there are two summary boxes:

- Entity Registration Summary**
  - Name: FREESE AND NICHOLS, INC.
  - Business Type: Business or Organization
  - Last Updated By: James Kisiel
  - Registration Status: Active
  - Activation Date: 10/21/2019
  - Expiration Date: 10/20/2020
- Exclusion Summary**
  - Active Exclusion Records? No



**CONFLICT OF INTEREST QUESTIONNAIRE****FORM CIQ****For vendor doing business with local governmental entity****This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.**

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1 Name of vendor who has a business relationship with local governmental entity.**

Freese and Nichols, Inc.

**2** ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3 Name of local government officer about whom the information is being disclosed.**

N/A

Name of Officer

**4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

N/A

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐

Yes

☐

No

N/A

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐

Yes

☐

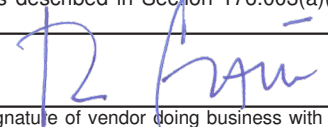
No

N/A

**5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A

**6** ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**   
Signature of vendor doing business with the governmental entity

September 10, 2020

Date

## CERTIFICATION REGARDING LOBBYING

### Certification Regarding Lobbying

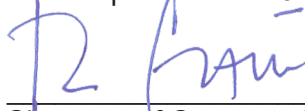
(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, Freese and Nichols, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

Ron Guzman, PE | Vice President/Principal

\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

September 10, 2020

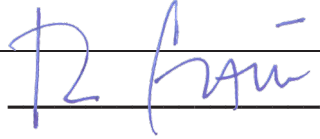
\_\_\_\_\_  
Date

0348-0046

**Disclosure of Lobbying Activities**

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                |                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><u>A</u> a. contract<br>b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Status of Federal Action:</b><br><u>A</u> a. bid/offer/application<br>b. initial award<br>c. post-award                                                                                                                                                                                     | <b>Report Type:</b><br><u>A</u> a. initial filing<br>b. material change |
| <b>Name and Address of Reporting Entity:</b><br><u>X</u> Prime      Subawardee<br>Tier _____, if Known:<br><br>Freese and Nichols, Inc.<br>800 N. Shoreline Boulevard, Suite 1600N<br>Corpus Christi, Texas 78401<br>361-561-6500<br><br><b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                         | <b>If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b><br><br><br><br><br><b>Congressional District, if known:</b>                                                                                                                                                |                                                                         |
| <b>Federal Department/Agency:</b><br>City of Weslaco, Texas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>7. Federal Program Name/Description:</b><br>CDBG-MIT Program<br><br>CFDA Number, if applicable: <u>Unknown</u>                                                                                                                                                                              |                                                                         |
| <b>Federal Action Number, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>9. Award Amount, if known:</b><br>\$ TBD                                                                                                                                                                                                                                                    |                                                                         |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i><br><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i><br><br>N/A                                                                                                                                               |                                                                         |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <u></u><br><b>Print Name:</b> <u>Ron Guzman, PE</u><br><b>Title:</b> <u>Vice President/Principal</u><br><b>Telephone No.:</b> <u>361-561-6520</u> <b>Date:</b> <u>September 10, 2020</u> |                                                                         |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Authorized for Local Reproduction</b><br><b>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                                                                                                             |                                                                         |

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
 Letty Lopez, Mayor Pro-Tem, District 5  
 Leo Muñoz, Commissioner, District 1  
 Greg Kerr, Commissioner, District 2  
 Jose "J.P." Rodriguez, Commissioner, District 3  
 Adrian Farias, Commissioner, District 4  
 Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
 DATE & TIME:  
 September 10, 2020 at  
 3:00 PM**

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
 Mitigation Addendum No.: 1  
 August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2020 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFoenlJcZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,   
 hrhodes@weslacotx.gov  
 Purchasing Agent

**Acknowledged by Firm:** Freese and Nichols, Inc.

**date:** September 10, 2020





FREESE AND NICHOLS

# LEADS

- ▶ (L) LEARN CONTINUOUSLY
- ▶ (E) ENGAGE AS FAMILY
- ▶ (A) ACT WITH INTEGRITY
- ▶ (D) DELIVER QUALITY
- ▶ (S) SERVE ALWAYS



800 North Shoreline Boulevard, Suite 1600N  
Corpus Christi, Texas 78401  
361-561-6500  
[www.freese.com](http://www.freese.com)



**Request for Qualifications-  
Engineering/Architectural/Surveying  
Services- CDBG-MIT Program  
RFQ 2019-20-24**





# CONTENTS

|                                                |    |
|------------------------------------------------|----|
| Cover Letter .....                             | 3  |
| Firm Profile .....                             | 4  |
| Technical Approach .....                       | 6  |
| Project Management .....                       | 8  |
| Quality Assurance / Quality Control Plan ..... | 9  |
| Construction Engineering Inspection.....       | 10 |
| Key Staff .....                                | 12 |
| Team Organization.....                         | 15 |
| Project Experience .....                       | 15 |
| Funding Procurement.....                       | 19 |
| Awards and Accolades.....                      | 22 |
| Resumes .....                                  | 23 |

September 9, 2020

Mr. Homer Rhodes, Purchasing Manager  
City of Weslaco  
255 S. Kansas Ave.  
Weslaco, Texas 78596

Re: RFQ- Engineering/Architectural/Surveying Services- CDBG-MIT Program RFQ 2019-20-24

Dear Mr. Homer Rhodes,

We appreciate the opportunity to present our Statement of Qualifications in response to the City of Weslaco's Request for Qualifications for RFQ- Engineering/Architectural/Surveying Services- CDBG-MIT Program RFQ 2019-20-24. We have put together a team that strives to exceed expectations, and that possesses true dedication, exemplified by our commitment to project success.

SWG Engineering, LLC (SWG), has been providing engineering services in the South Texas Region, with extensive projects within the Lower Rio Grande Valley, ever since it was established in 1945. Throughout the 75 years in the field of engineering, the employees of SWG have assisted all types of project owners complete their projects and solve their problems, ranging from Municipalities, Counties, Districts, and other political subdivisions, to private industries. We pride ourselves in our commitment to excellence and our dedication to our projects and project owners, such that over 80% of our business is by repeat project owners, pleased with our performance. We work closely with project owners to identify the objectives of the project, and provide a dedicated team of highly qualified professionals to meet those needs. **SWG strives to be more than an engineer to our client. We strive to be trusted partners and consultants.**

Our team's uniqueness is the full-service, all-inclusive approach to the project. With our team's extensive experience, we offer City of Weslaco a full range of services from funding procurement and administration, to full engineering design and analysis, to surveying and topographic analysis, to construction management and inspections, all to guarantee the successful completion of the project. Our services go beyond the ordinary, as SWG takes the responsibility of serving and safeguarding City of Weslaco seriously.

We have thoroughly reviewed the scope of work, and are confident in our ability to deliver results in a timely, cost-effective, and professional manner. SWG has worked on drainage projects extensively, and possesses the capability to successfully complete this project as well.

We appreciate the opportunity to work with the City of Weslaco by being of service on this project. Please don't hesitate to give us a call; we would be glad to discuss any questions that you might have. We may be reached at (956) 968-2194 or via email.

Sincerely,



Randall C. Winston, P.E., President



## FIRM PROFILE

### SWG ENGINEERING, LLC

SWG Engineering, LLC, provides consulting engineering services in the South Texas Region with extensive projects in the Lower Rio Grande Valley. SWG has taken a leadership role in providing quality engineering answers in the Valley through our greatest resource – a dedicated and talented staff. Leadership begins with the principals, who are all Texas-registered professional engineers.

During the 75 years in the field of practice, the employees of SWG have assisted municipalities, counties, political subdivisions, governmental agencies and private industries. Our work speaks for itself as 80 percent of our business is from repeat clients.

***Our firm's philosophy is simple, we always strive to provide our clients with unparalleled consulting services by putting our clients' interest first.*** We work closely with our clients to identify the objectives of the project and assemble a team of highly qualified professionals to meet those needs. SWG strives to be more than an engineer to our client. We are trusted partners and consultants. Our firm's principles are based on efficiency, quality and **unmatched customer service**. We envision cost-effective engineering design concepts without compromising on quality. SWG Engineering is committed to our clients' success. Our experience, combined with our advanced technical support, provides us with the unique ability to expedite the planning and design phase before the actual construction.

As a pioneer of engineering in the Rio Grande Valley, we have continually invested time and money in charitable and public-spirited activities within our community to ensure we contribute to the Valley's continued growth and development of future

### AREAS OF SPECIALIZATION

We provide a broad range of services besides design, such as master planning, conceptual studies, feasibility studies, rate studies, environmental studies, preliminary reports, plans and specifications in civil engineering design and structural engineering (bridges, concrete structures, building foundations).

### GENERAL SERVICES

- Consulting
- Water Treatment & Distribution
- Wastewater Treatment & Collection
- Irrigation Systems & Treatment
- Storm Drainage Evaluation and Design
- Flood Mitigation
- Feasibility Studies
- Grant Funding Assistance
- Environmental Engineering
- Capital Improvements Plan
- Asset Management
- Construction Management
- Site Planning, Analysis and Design
- Street and Roadway Design
- Flood Control & Flood Plains
- Site Grading & Earthwork
- Land Surveying
- Topographic & Detailed Mapping
- Structural Engineering
- GPS Technology
- GIS Technology

### CONSULTING ENGINEERING SERVICES

- City Engineering
- Preparation of Construction Plans
- Preparation of Procurement Documents
- Construction Management
- Project Funding Procurement
- Infrastructure Assessments
- GIS Mapping

**1.) Firm name, including the addresses of all firm offices identifying in which office the work will be performed:**

SWG Engineering, LLC  
Primary Office: 611 Bill Summers Intl. Blvd.  
Weslaco, TX 78596

McAllen Office: 510 S. Broadway St.  
McAllen, TX 78501

**2.) Names, position, phone and fax of contact person:**

Randall C. Winston, P.E.  
President  
(956)968-2194  
(956)968-8300

**3.) Names of principals in the firm; years firm has been in business:**

Randall C. Winston, P.E.  
Joseph B. Winston, P.E.  
75 Years in Business

**4.) Listing of all pending litigation against or involving the firm or its agents or employers with respect to any work performed:**

N/A

**5.) Amount of professional liability insurance coverage carried by your firm:**

SWG Engineering, LLC maintains a professional liability insurance in the amount of \$1,000,000.00

**6.) Name and phone number of person to contact at the banking institution where firm does business:**

Frost Bank  
Paola Escalante Castillo  
(956)702-6683

**7.) Disciplines of consultants for the proposed project:**

SWG Engineering – Civil Engineering, Environmental Engineering, Water Resources Engineering, Transportation Engineering, Construction Engineering & Inspection, Surveying, Construction Administration, and Funding Procurement.

**8.) Current work load of staff that would be responsible for the project:**

SWG Staff would be able to dedicate 75% of their time to this project and is committed to deliver timely results.

## TECHNICAL APPROACH

To ensure maximum efficiency and accuracy, SWG employs a systematic approach to executing projects. From engineers to project managers and construction quality control teams, we all adhere to the execution plan in order to deliver the assignment on-time and on-budget.

### PHASE 1: PROJECT DEVELOPMENT

This initial phase is crucial for the success of a project. Our team gathers necessary information to commence conceptual engineering, preliminary engineering, and ultimately establish a project budget estimate and schedule before moving into detailed design.

#### CONCEPTUAL ENGINEERING

- Review project scope
- Formalize strategy
- Review owner design standards
- Review existing utilities and site constraints
- Perform preliminary code search
- Research permitting requirements
- Develop process design basis

#### PRELIMINARY ENGINEERING

- Establish design criteria and approach
- Conduct code and permitting reviews
- Coordinate with OEMs and vendors
- Create process equipment flow diagrams and layouts
- Estimate with accuracy and contingency variance
- Provide value engineering and alternates
- Develop preliminary schedule
- Determine project staffing

### PHASE 2: DETAILED DESIGN

The detailed design phase is where we use the client's input from the project development phase to transform the schematic drawings, outline specifications and project definition into working drawings and specifications.

- Delivery of final outline specification and drawings
- Multiple drawing reviews: 30%, 60%, and 90%
- Drawing acceptance by owner
- Collaboration with vendors and OEMs on longer-lead items

### PHASE 3: PROJECT IMPLEMENTATION

**Cost control:** We perform thorough planning and bid management during procurement, develop a process for change management and prepare detailed accounting for accurate forecasting and reporting.

**Quality assurance:** Our proactive approach to quality control begins during pre-construction and continues through closeout. It includes rigorous review of design and submittal documents, on-site inspections and project observation reports for every critical juncture, monthly and weekly progress reports, independent agency testing, as well as mock-ups & samples and mechanical systems start-up and training. **We keep tight control throughout construction, to safeguard owner from any deficiencies.**

**Schedule controls:** We keep projects moving through constant collaboration and planning, which includes regular schedule updates, two-week look-aheads and weekly subcontractor coordination meetings.

**Communication:** All client communications are handled through our project manager. Our project manager oversees all communication, acting as a single point of contact for design, submittals and shop drawing control, requests for information (RFIs), drawing management procedures and design changes.

**Safety:** The safety of our employees, clients and contractors is top priority, so we create project-specific safety plans, perform safety audits, create emergency protocols, and adhere to all OSHA requirement.

### PHASE 4: COMMISSIONING & CLOSING

- Mechanical systems start-up and training
- Final field inspections
- Punch list
- Record drawings
- Owner's manuals

**1. PROJECT SCOPE VERIFICATION (5%):**

Meet with client to verify project parameters, complete preliminary investigations, budget, schedule, size, location service district...etc.

**2. INTERNAL KICK-OFF MEETING (5%):**

The design team meets to discuss the project considerations, approach, schedule, and deliverables. This meeting is directed by the project manager and attended by the survey department, designer, engineer, drafter, and the client representative.

**3. OBTAIN EXISTING INFORMATION (10%):**

Available local record information is researched and existing utility companies are requested to provide their specific utility information.

**4. TOPOGRAPHIC SURVEY (15%):**

Initiate field work order to cover the project construction area. Office work includes verification of Right-Of-Way, property lines, existing easements and public/private utility location.

**5. UTILITY REVIEW (20%):**

Preliminary drawings are supplied to all utility agencies for review and comment. All possible conflicts are addressed at this stage. Alternatives are discussed as applicable.

**6. PRELIMINARY DESIGN (30%):**

Provide preliminary alignment, drawings, schedule, and cost estimates.

**7. PERMIT DOCUMENTS (60%):**

Final location is determined and all applicable permit applications are prepared. Necessary easements documents finalized and project specifications are assembled.

**8. FINAL DESIGN (90%):**

All applicable permits and easements are secured. Permitting agency comments and special conditions are addressed. Internal constructability review is conducted. Plans are forwarded to the client for final review and approval.

**9. BIDDING DOCUMENTS (100%):**

Final plans and specifications are assembled creating the "Bid Package". Client specific sections (General Conditions, Bonds, Agreements, Technical Specifications...etc.) are included.

**10. BID ADVERTISEMENT:**

Trade publications and local newspapers are used to place the advertisements as authorized by the client. Bidding documents are often scanned and made available for viewing. Hard copies will typically be located at SWG Engineering offices for examination and pickup. General contractors and supplier questions / requests for clarifications are addressed and addenda issued as appropriate.

**11. PRE-BID MEETING:**

Frequently, this meeting is facilitated by SWG Engineering to ensure bidders have a complete understanding of the project scope.

**12. BID-OPENING:**

SWG Engineering will facilitate the bid opening meeting that is attended by the client, bidders, and stake holders. All bids are checked for completeness including the required bonds.

**13. BID TABULATION & RECOMMENDATION:**

Bids are checked for responsiveness, balance, and fatal errors. Bidder's qualifications, insurance, and references are checked. Subsequently, Recommendation of Award will formally be issued to the client.



## PROJECT MANAGEMENT

### PROJECT INSTRUCTIONS AND WORK PLANS

The Project Manager will initiate work, prepare project instructions and work plans, and manage and control progress of the work. He will be the primary contact between City of Weslaco and SWG team members. Project instructions will communicate team members' responsibilities and define tasks, schedules, budgets, and coordination methods.

### PROJECT MONITORING AND CONTROL

SWG will prepare monthly narrative progress reports describing work accomplished during the reporting period, work anticipated in the next reporting period, issues and concerns, problem resolutions, and schedule and budget updates. A cost summary will document expenditures during the reporting period, cumulative expenditures to date, estimated cost to complete the work, and total estimated cost at completion. The costs will be compared to the budget amounts for each task and show any variance. SWG recognizes that meeting the proposed schedule is an essential part of delivering the project successfully and meeting the budget.

### ON TIME AND WITHIN BUDGET

SWG's project management competence rests on our mastery of the tools necessary for managing drainage projects. Our project managers have a fully integrated project control system that combines scope, schedule, budget, and forecast data into one database. This real-time reporting project control system assists project teams in the day-to-day management of their projects.

### SCHEDULING

The keys to an effective schedule include direct integration with Work Breakdown Structure (WBS), resource-loading to assist with funding needs and budget analysis, identification of milestones or deliverables, logical depiction of work processes, and regular updates to assess project performance. Our scheduling success can be attributed to the Critical Path Method (CPM) developed from software programs, depending on project needs and system compatibility.

### BUDGET CONTROL

SWG will use a number of tools for project budget control. These include our management information system for tracking internal project costs; resource utilization, and costs; and cost estimating software for both professional services budget estimates and construction cost estimates. Elements of cost to be estimated include, but are not limited to, are labor, materials, equipment, travel, and expenses.

### PROJECT MEETINGS

Well-planned and properly timed meetings ensure excellent service. The kick-off meeting will help ensure that the City of Weslaco needs, vision, and team member roles and responsibilities are clearly understood. Meetings with City of Weslaco staff and other agencies, as appropriate, will provide valuable coordination. To reduce costs, conference calls will be used when appropriate.

### PROBLEM SOLVING

While many issues can be anticipated and planned around, unexpected obstacles often arise in performance of an endeavor such as this. When obstacles arise, we immediately manage them by investigating the problem, developing alternative solutions, and communicating our ideas for maintaining schedule and budget as soon as possible. Engineers are often described as practical problem solvers, a quality personified by SWG. Characterized by creative thinking, we will offer innovative yet practical concepts for your consideration throughout the project in an effort to better serve the City of Weslaco. We will maintain close contact with your staff, carefully address their ideas, and include them in developing project solutions wherever appropriate.

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## QUALITY ASSURANCE/ QUALITY CONTROL PLAN

The following summarizes the general planning methodology that our team has developed. At SWG Engineering, we believe that it is our responsibility to ensure the accuracy and quality of our proposed projects. Our team prides themselves in client support by ensuring each designated project team member is invested to see their part of the design become a reality. We ensure the all documents are meeting standards and are coordinated between consultants. Quality control is an everyday practice. SWG has developed a Quality Assurance and Quality Control (QA/QC) plan, with the ability to modify it so that it specifically meets each individual projects' requirements. Each project presents unique opportunities and challenges, making customization key.

Our plan consists of:

- **DESIGN CONSULTATION (i.e. PRELIMINARY DRAWINGS AND EXHIBITS)**
  - We ensure all expectations, design criteria, and construction standards are met.
- **PARTICIPATION**
  - We encourage ample participation from stakeholders, public entities, and community groups to ensure all expectations are constantly being exceeded.
- **STANDARD OPERATING PROCEDURES**
  - Set standard of how our firm prepares, produces and reviews plans, specifications, estimates, calculations and other necessary submittal items.
  - Specific procedures based upon type of project, size, scale, and scope of work.
  - Role coordination procedures are followed to properly assign tasks without creating conflicts.
  - Proper procedures followed for obtaining necessary permits.
  - Final review methodology to ensure adequacy of total project design.
    - Each document is independently reviewed and verified for clarity, feasibility, completeness and a precision.
- **SUBSTANTIATION**
  - Proper documentation and submission of required submittals to ensure all QA/QC procedures have been met.
- **FIELD CONSTRUCTION QA/QC**
  - Field Inspection Daily Observation Reports.
  - HD 4K aerial video recordings and drone flights that will showcase project scope, progress, and completion.
    - Also a valuable tool for project owner to showcase improvements to public and stakeholders.

- Time-lapse recordings, where applicable or requested, to showcase impact of improvements.
    - Also a valuable tool for project owner to showcase improvements to public and stakeholders.
  - Web-based service for client's authorized personnel to access, view, and comment on project documents.
- **OTHER**
    - Showcase/Announcement of successful project completion on ASCE-RGV monthly newsletter for public outreach, if desired.

We are aware that each project presents unique opportunities and challenges; customization is the key to success. Our goal is to provide design consultation, drawings, exhibits, and participation in meetings with stakeholders, community groups, and public entities to develop a successful design.

Our firm has built a reputation for high quality work achieved in a spirit of collaboration, both within the firm and with our clients. Quality management is best achieved when all members of a team are thoroughly invested in the project and see their part of the design as a piece of the whole picture. Our team assures the construction documents are meeting standards and are coordinated between consultants. Quality Control is an everyday practice.

Our goal is to make sure that the drawings can be built as planned. We host project coordination meetings and implement internal deadlines to review everyone's goals. This helps us ensure that our clients' needs and requirements are being met. At key milestone of 30%, 60% and 90% progress, our team produces a set of red-lines for an internal review of documents. Constant review of the work is crucial to eliminate human error.

The team's focus on Quality Control assures that our services are continually meeting the goal of continual improvement throughout the process, leading to design excellence.

## CONSTRUCTION ENGINEERING INSPECTION

At SWG Engineering, we have a proven history of delivering successful engineering, environmental, and construction management solutions for projects since 1945. Our team prides ourselves in demonstrating value to our clients through our work by conveying innovative, cost effective, and timely design solutions to their unique request. Our designated Construction Engineering Inspector provides professional supervision in the field, ensuring that our plans are coming to life as per all specifications and design criteria.

SWG is glad to provide the following services under our CEI:

- Full construction oversight to ensure construction as per plans and specifications
- Coordination with all Contractors, Consultants, and Clients
- Overview of tests through independent laboratories on an as needed basis per project specifications
- Ensuring that all ongoing construction meets established timelines
- Preform Field Inspection Report for each site visit
- Preforming monthly drone flights inspections for stakeholders meetings
- Monitoring through time-lapse equipment and recordings to ensure proper QA/QC
- Overseeing that all Safety and Quality Procedures are taking place at all times.
- Ensure that workmanship meets or exceeds expectations
- Ensure high quality materials are used

SWG understands that the best set of plans are only as good as their equivalent construction on the field. This is why SWG ensures coordination and enforces strict oversight over the construction teams, to guarantee the successful construction and realization of the project plans.





## KEY STAFF



### **Project Manager**

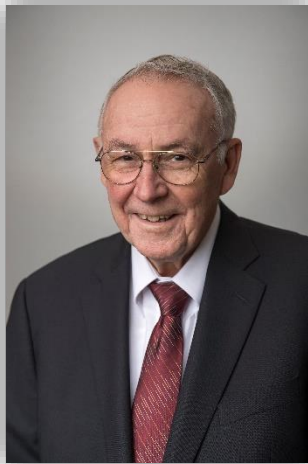
#### **Randall C. Winston, P.E., MSCE, President**

Texas Registered Professional Engineer No. 70417

Master of Engineering in Civil Engineering, Texas A&M University

Bachelor of Science in Civil Engineering, Texas A&M University

Mr. Winston has 34 years of experience in the Civil Engineering industry. His experience includes being principal engineer for several largescale projects in design, regulations, budget and schedule control, and construction management. He has been lead engineer for many largescale projects, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, grading and paving projects, subdivision design and platting, and road widening, among others. As Project Manager, Mr. Winston will be responsible for providing superior client service to ensure complete client satisfaction. He'll ensure technical delivery of the design, and adherence to QA/QC, safety and health requirements, managing project staffing, and financial performance tracking. Mr. Winston has expertise in working with regulatory agencies such as TCEQ, TxDOT, Army Corp of Engineers, IBWC, and other regulatory agencies. In addition to regulatory agencies, Randall has extensive knowledge with funding agencies such as TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, among others.



#### **Joseph B. Winston, Jr., P.E., RPLS, Vice President**

Texas Registered Professional Engineer No. 31109

Texas Registered Professional Land Surveyor No. 3780

Bachelor of Science in Civil Engineering, Texas Tech University

Mr. Winston has over 54 years of civil engineering and surveying experience. His experience encompasses largescale project designs, regulation, analysis, project and construction management, as well as engineering studies, environmental oversight, utility coordination and conflict resolution oversight, hydrology, hydraulic design, plan review, public involvement. He has extensive experience on projects ranging from civil site work, to transportation and paving design, to drainage design, to largescale utility designs, among others.

In addition, Mr. Winston has 54 years of experience throughout the Rio Grande Valley consulting for various entities in the private sector as well as governmental clients. Furthermore, Mr. Winston has served as City Engineer Consultant for various entities such as City of Alamo, City of San Juan, City of Mercedes, and City of La Feria, among others, where he assists and serves the city on all engineering matters.



**Senior Project Engineer**

**Jose G. Reyes, P.E.**

Texas Registered Professional Engineer No. 93827

Bachelor of Science in Mechanical Engineering, University of Texas at San Antonio

Mr. Reyes has 21 years of engineering experience. His experience is composed of engineering design, project estimation and scheduling, planning and controlling, engineer in charge, and coordination. Jose has a strong understanding of both the public and private sectors with project design and oversight experience in Water and Wastewater Utility Design, Drainage Improvements, Civil Improvements, Subdivision Layout Design, Ditch and Crossing Design for Roadways, Transportation design, and Paving and Grading design. Mr. Reyes also has a strong working knowledge of coordinating with agencies such as TCEQ, TxDOT, IBWC, TWDB, TPWD, NADBANK, USDA, and FEMA. As Project Engineer, Mr. Reyes will be responsible for project oversight, project design support, and coordination with project drafting and surveying, participate in the review of existing data, and gathering of field data.



**Project Engineer**

**Isaac J. Huacuja, E.I.T.**

Engineer-In-Training Certificate No. 60690

Bachelor of Science in Civil Engineering, University of Texas Rio Grande Valley

Mr. Huacuja has 6 years of civil engineering experience. His experience includes consulting in Civil Engineering on design and development of Water Resources, Water Distribution Systems, Wastewater Collection Systems, Stormwater Drainage, Flood Mitigation, Pump Systems, Hydraulic Modeling, and Paving and Grading design. Mr. Huacuja also has experience working and coordinating with agencies such as FEMA, TDEM, USBOR, USDA, TWDB, and TPWD. As a Project Engineer, Mr. Huacuja's role will be in project design and project management support, as well as project control specialist, utilizing his background of project planning, management, and design experience for civil and environmental design and construction.



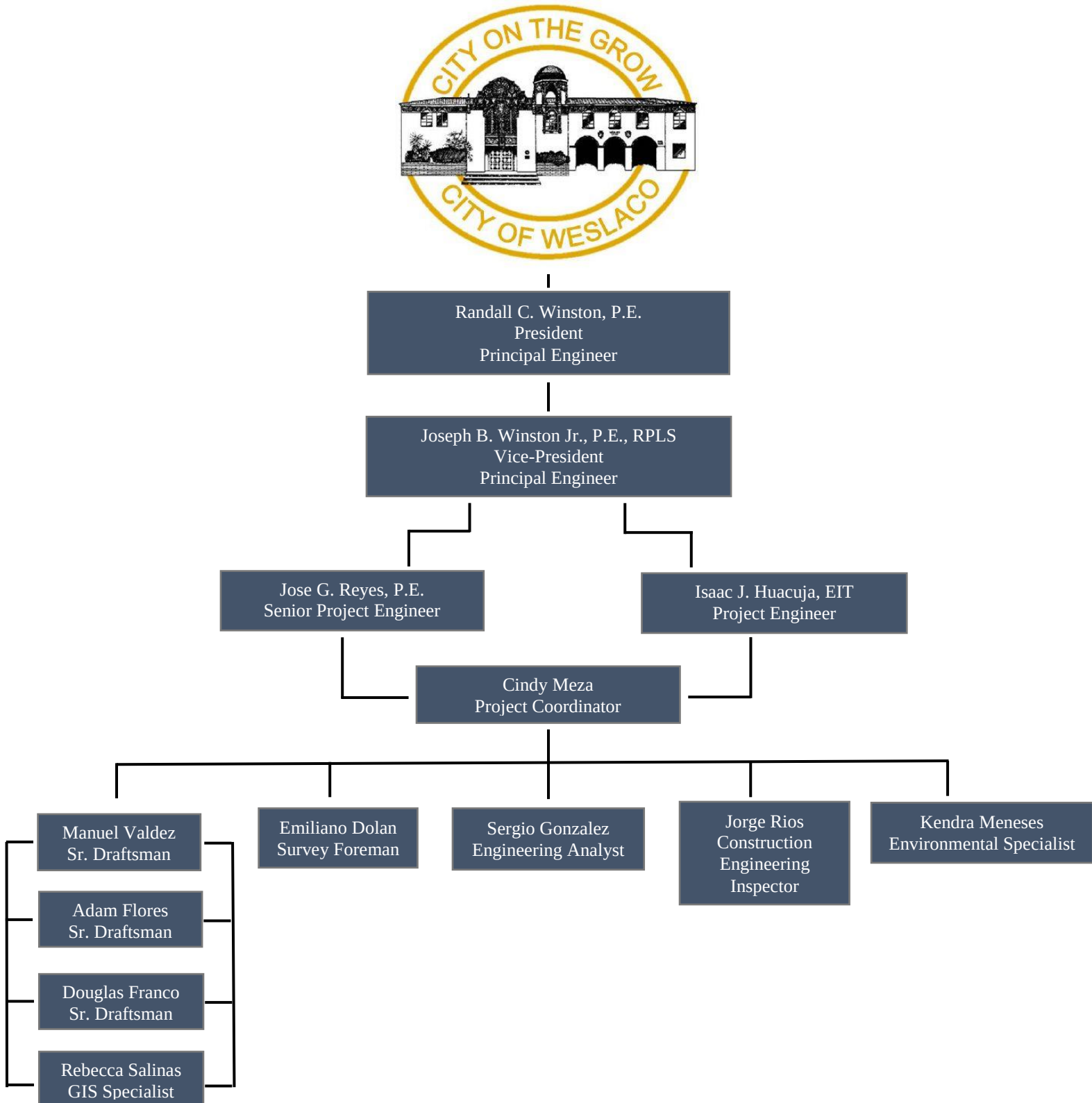
**Construction Engineering Inspector**

**Jorge Rios, Graduate Engineer**

Bachelor of Science in Mechanical Engineering, University of Texas  
Pan American

Mr. Rios has 22 years of experience in Construction Management & Inspection. His background knowledge in Mechanical Engineering allows him to have a better understanding of the standard operating procedures required by the design engineer. Jorge's experience consists of inspection and oversight of several largescale projects, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, and grading and paving projects. Mr. Rios is responsible for full construction oversight of each project to ensure all projects and plans are being built to its specifications, performing Quality Assurance and Quality Control assessments throughout. Additionally, he coordinates with Engineers, contractors, subcontractors, and conducts regular field inspections and reporting, ensuring all safety and quality procedures are met, and assists with proper communication to ensure project is within budget and on time. He has worked as Resident Project Representative for several large scale projects, on which funding by federal agencies required strict construction compliance.

## TEAM ORGANIZATION





## PROJECT EXPERIENCE

**Client:** City of La Feria  
**Contact:** Mr. Jaime Sandoval, City Manager  
**Address:** 115 E. Commercial Ave., La Feria, TX 78559  
**Phone:** (956)797-2261  
**Contract Value:** \$3,481,911.71

**Project Summary:** *Paving and Drainage Improvements for South Rabb Road, La Feria*

The City of La Feria selected SWG Engineering to file an application with Federal Emergency Management Administration (FEMA) for Drainage Improvements to address deficiencies encountered during Hurricane Dolly. SWG designed and prepared the construction documents for the drainage and paving improvements. The project consisted of:

- 2,466 lf of drainage improvements and 4,800 L.F. of street improvements. Road was widened from 20' ft. to a 30' back to back curb and gutter section.
- Installation of 7,595 L.F. of storm drainage pipe ranging in size from 18" to 60" and storm drainage inlets.
- Adjustment of water and sanitary sewer utilities.
- 2,300 L.F. of open cut drainage ditch

Prepared plat exhibits along with metes and bounds description for right-of-way

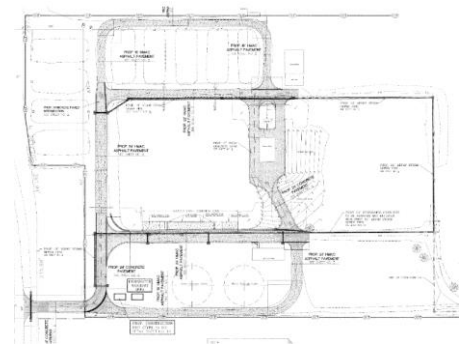


**Client:** Sharyland Water Supply Corporation  
**Contact:** Ms. Sherilyn Dahlberg, General Manager  
**Address:** P.O. Box 1868, Mission, TX 78573  
**Phone:** (956)585-6081  
**Date:** May 2018- February 2019  
**Contract Value:** \$650,000.00

**Project Summary:**

Paving and Drainage Improvements at WTP No. 2

SWG was selected by SWSC to design and conduct construction management on paving and drainage improvements at WTP#2, which is composed of approximately 4,200 SY reinforced concrete roads and 2,000 LF of storm sewer lines. This mitigated flooding in the critical WTP, as well as improved operations.



**Client:** City of Mercedes  
**Contact:** Mr. Sergio Zavala, City Manager  
**Address:** 400 S. Ohio, Mercedes, TX 78570  
**Phone:** (956) 565-3114  
**Date:** 2020- Ongoing  
**Contract Value:** \$500,000.00



**Property Summary:** Mercedes Regional Detention Facility (RDF)

H&H analysis, design, and CEI of regional stormwater detention facility. Facilitated land acquisition for City. Storage capacity of approx. 22 acre feet. Critical infrastructure for local flood mitigation.

**Client:** City of Mercedes  
**Contact:** Mr. Sergio Zavala, City Manager  
**Address:** 400 S. Ohio, Mercedes, TX 78570  
**Phone:** (956) 565-3114  
**Date:** 2020- Ongoing  
**Contract Value:** \$250,000



**Property Summary:** Mercedes Collier Drainage Improvements

H&H analysis, design, and CEI of drainage improvements of area. Maximized existing resources by turning green areas of Local Park into detention areas during critical storm events, while maintaining use and function as recreational park facilities. Storage capacity of approx. 5 acre feet.

**Client:** City of La Feria  
**Contact:** Mr. Jaime Sandoval, City Manager  
**Address:** 115 E. Commercial Ave., La Feria, TX 78559  
**Phone:** (956)797-2261  
**Date:** August 2015- January 2017  
**Contract Value:** \$2,566,869.20



**Project Summary:** *Drainage and Paving Improvements for Beddeos Road and Kelley Drive, La Feria*  
The City of La Feria selected SWG Engineering to design and prepare plans and contract documents for the Drainage and Paving Improvements for Beddeos Road and Kelley Drive. Project requirements and services rendered:

- Installation of 8,565 LF of storm drainage pipe ranging in size from 18" to 60" R.C.P. with rubber gasket joints and storm drainage inlets.
- Preparation of railroad crossing permit to open-cut the railway to install a 60" reinforced concrete pipe.
- Road was widened from 16 ft. caliche driveway with roadside drainage ditch to 30 ft. back to back road with curb and gutter for a total of 4,480 LF of paving.
- Prepared plat exhibits along with metes and bound description for right-of-way acquisition.

**Client:** City of Weslaco

**Contact:** Mr. Mike R. Perez, City Manager

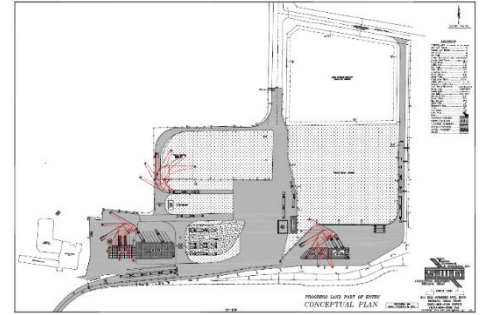
**Address:** 255 S. Kansas Ave., Weslaco, TX 78596

**Phone:** (956) 968-3181

**Date:** 2017- Ongoing

**Contract Value:** \$4,500,000.00

**Project Summary:** Design of drainage improvements, including property acquisition and easements for storm sewer lines, TxDOT UIR crossing permits, among others. Project composed of storm sewer system, including 24" sewer line, box culverts for road crossing, ditch widening, as well as a 30 acre feet detention pond for flood mitigation.



**Client:** City of Lyford

**Contact:** Ms. Lydia Moreno, City Secretary

**Address:** 13550 Main St., Lyford, TX 78569

**Phone:** (956) 347-3512

**Date:** 2019- Ongoing

**Contract Value:** \$750,000.00

**Property Summary:** Lyford HMGP

H&H analysis and design of a stormwater pump station, as well as two adjacent stormwater detention ponds. Pump flowrate of 5 MGD.

Detention capacity of ponds is 10 acre-feet. Procured funding of 750K through FEMA's HMGP program project. Currently pursuing TWDB's FIF funding, to secure grant for match component. If successful, project will have been funded by >95% grant.



**Client:** City of La Feria

**Contact:** Mr. Jaime Sandoval, City Manager

**Address:** 115 E. Commercial Ave., La Feria, TX 78559

**Phone:** (956) 797-2261

**Contract Value:** \$2,566,869.20

**Project Summary:** *Drainage and Paving Improvements for Beddeos Road and Kelley Drive, La Feria*



The City of La Feria selected SWG Engineering to design and prepare plans and contract documents for the Drainage and Paving Improvements for Beddeos Road and Kelley Drive. Project requirements and services rendered:

- Installation of 8,565 LF of storm drainage pipe ranging in size from 18" to 60" R.C.P. with rubber gasket joints and storm drainage inlets.
- Preparation of railroad crossing permit to open-cut the railway to install a 60" reinforced concrete pipe.
- Road was widened from 16 ft. caliche driveway with roadside drainage ditch to 30 ft. back to back road with curb and gutter for a total of 4,480 LF of paving.
- Prepared plat exhibits along with metes and bound description for right-of-way acquisition.
- Adjustment of water, irrigation and sanitary sewer utilities.

## **FUNDING PROCUREMENT**

### **PROJECT MANAGEMENT**

Being a full-service firm, and always being mindful of the project owners' bottom line, SWG Engineering provides Funding Procurement services for any project we are involved in. Our management team has prepared numerous grant application over 30 years in municipal government. Many of these applications funded and accounted for millions of dollars of infrastructure improvements including water and sewer systems, drainage systems, streets, parks, downtown revitalization, housing, economic development, emergency management, first responder facilities, and other capital improvements.

We've worked with large cities and small towns, and we've found that many times there is funding available that will save the owner from expending funds from their own budget, or that perhaps the owner is in dire need of a project they cannot afford at this time. In both of these cases, the owner would benefit from procuring project funding.

Our team of Administrators and Engineers work side by side to assemble a competitive, accurate application that exceeds the target Agency's requirements. We have worked with various types of funding, ranging from sub-market rate low interest loans, 100% grants, or a combination of both grant and loan, procured through various agencies and methods.

### **ADMINISTRATION EXPERIENCE**

SWG has provided Funding Procurement Services to secure project funding from many local, state, and federal agencies, such as: TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, TPWD, BOR, among others. SWG Engineering has over 30 years of municipal funding experience including financial management, identifying grant resources, grant writing, and grant management.

### **ENVIRONMENTAL CLEARANCE PROCEDURES**

In addition to the funding procurement itself, SWG also has experience executing environmental clearance procedures from inception through completion, to include initiating the environmental process by coordinating contact with applicable state agencies, such as Texas Historical Commission, EPA, Tribal Organizations, and U.S. Fish and Wildlife Service, to completion of the Environmental Review Record. Our firm is knowledgeable with the provisions of a full Environmental Assessment (EA), Categorical Exclusions (CE), Preliminary Engineering Reports (PER), Environmental Reports (ER), various Water Reports, Benefit Cost Analyses, and is capable of executing all to completion. For more than 30 years we have contracted with the Texas General Land Office as an Environmental Service Provider to complete the environmental assessments for communities that were affected by Hurricanes Dolly and Ike, increasing our knowledge of the regulations required for environmental approval.

A few of our most recent successfully secured funds are for the following project:



**Request for Qualifications- Engineering/Architectural/Surveying  
Services- CDBG-MIT Program**

**RFQ 2019-20-24**



**Bureau of Reclamations (BOR)**

- Delta Lake Irrigation District Canal Lining \$1,000,000.00  
<https://www.usbr.gov/watersmart/weeg/docs/2018/FY2018-WEEG-Project-Descriptions.pdf>

**Federal Emergency Management Agency (FEMA)**

- City of Lyford HMGP Drainage Improvements \$750,000.00 (TDEM)
- City of La Feria HMGP Drainage Improvements \$500,000.00
- City of La Feria HMGP Drainage Improvements \$ 2,600,000.00



**FEMA**

**General Land Office (GLO)**

- City of La Feria Water and Wastewater Improvements \$ 16,000,000.00

**Housing and Urban Development (HUD)**

- City of La Feria(CDBG) \$13,000,000.00



**North American Development Bank (NADBANK/BECC)**

- Hidalgo & Cameron Counties Irrigation District Water Conservation Project \$1,250,000.00  
<https://www.nadb.org/our-projects/infrastructure-projects/water-conservation-improvement-project-for-hidalgo-and-cameron-counties-irrigation-district-no-9-mercedetexas>
- City of La Feria Water and Wastewater Improvements \$13,820,000.00  
<https://www.nadb.org/our-projects/infrastructure-projects/water-and-wastewater-improvements-project-in-la-feriatexas>



**Texas Parks & Wildlife Department (TPWD)**

- City of Port Isabel Washington Park \$150,000.00
- City of La Feria Nature Center
- City of Los Indios Park \$150,000.00



**Request for Qualifications- Engineering/Architectural/Surveying  
Services- CDBG-MIT Program**

**RFQ 2019-20-24**



**Texas Water Development Board (TWDB)**

- City of La Feria Water & Wastewater Improvements  
\$15,000,000.00
- City of Ingram Sanitary Sewer Line Improvements  
\$1,000,000.00
- Delta Lake Irrigation District Canal Lining \$60,000.00
- City of Mercedes Capisallo Subdivision Sanitary Sewer  
and Lift Station \$2,500,000.00

**United States Department of Agriculture (USDA)**

- Sharyland Water Supply Corporation Water  
Treatment Plant No. 3 \$25,000,000.00
- City of Ingram Wastewater Improvements \$  
10,600,000.00





## **AWARDS AND ACCOLADES**

### **American Society of Civil Engineers- Rio Grande Valley 2019 Civil Engineer of the Year**

Randall C. Winston PE., President of SWG Engineering LLC., was recognized and awarded the 2019 Civil Engineer of the Year award on behalf of his 34 years of leadership in the public works industry. Mr. Winston has devoted his life to helping the Rio Grande Valley and beyond improve their quality of life and sustainability within their communities by providing innovative solutions with every design.

Among Mr. Winston's most recent accomplishments is the recent award by the City of Weslaco as Design Engineers for a \$4.7 Million dollar drainage project. This issue was identified during the recently completed Drainage Master Plan and made part of the 2019 bond projects, both prompted by the 2018- 100 year storm event and the 2019- 500 year storm event.

### **American Society of Civil Engineers- Rio Grande Valley 2019 Innovative Project of the Year:**

Canal to Pipeline Conversion of Canal A-20

Primary Leads: Mr. Randall C. Winston PE. & Mr. Isaac Huacuja, EIT



The Delta Lake Irrigation District canal to pipeline conversion project is an ongoing project, which has been in development for almost two years, and has an estimated construction timeline of two additional years. A grant from the Bureau of Reclamation (BOR) of \$1 Million dollars was procured by SWG to aid in the cost of construction of this important project.

The project will convert approximately 28,000 linear feet (~5.3 miles) of deteriorated canal into a modern pipeline system. This pipeline will contain flowmeters at strategic points to monitor water flow, and has sluice gates and line gate calves at specific locations to isolate pipeline sections as necessary. Additionally, the main diesel pump station will be deleted and has been designed to be replaced as a state-of-the-art pump station, with VFD-controlled twin electric pumps, which will enable the deletion of 5 total diesel pump stations in the system. The flow meters will also connect to this master pump station, and the entire systems will be capable of being monitored and controlled remotely.

The deletion of the diesel pump station will significantly lower operation and maintenance costs to the District, while eliminating any contamination from them. Additionally, and the primary reason why the BOR funded the project, the canal conversion to pipeline project is anticipated to save approximately 2,050 acre-feet of water, being 668 million gallons, per year.



### **The Associated General Contractors of America- Rio Grande Valley Chapter 2019 Engineering Firm of the Year**

SWG Engineering LLC is a local civil engineering firm native to Weslaco, Texas, established in 1945. It was recently recognized by the AGC as Engineering Firm of the Year, an honor for the Firm and its staff. Since its inception, SWG has strived to serve local communities in many different capacities, ranging from funding procurement assistance, to design and development of projects, to construction management. Now with locations in both Weslaco, Texas and McAllen, Texas, SWG continues to provide and apply innovative and cost-effective strategies to every project.

## RESUMES

**Randall C. Winston, P.E., MECE**

**President**

Weslaco, TX 78596

(956) 968-2194

randy@siglerwinstongreenwood.com

### EDUCATION

Texas A&M University

**Master of Engineering, Civil Engineering, Environmental Eng. Dept.**

1988

Texas A&M University

**Bachelor of Science in Civil Engineering**

1985

### REGISTRATION

Professional Engineer State of Texas No.: 70417

### WORK EXPERIENCE

Environmental Projects, Water Treatment, Wastewater Treatment, Solid Waste Management, Industrial Wastewater and General Civil Engineering

SWG Engineering, Weslaco, Texas - January, 1989 - Present

Environmental Engineering Lab Instructor and Lecture Substitute

Texas A&M University, College Station, Texas - June, 1987 - December, 1988

General Civil Engineering and Consulting

Sigler, Winston, Greenwood & Assoc., Inc., Weslaco, Texas December, 1985 - June, 1987

### PROFESSIONAL AFFILIATIONS

- Tau Beta Pi Engineer Honor Society
- American Society of Civil Engineers (ASCE)
- National Society of Professional Engineers (NSPE)
- Texas Society of Professional Engineers (TSPE)

### OTHER AFFILIATIONS

- Member of Rotary Club
- Past-President of Weslaco Rotary Club (1996-1997)
- Weslaco Chamber of Commerce
- Redcoat Ambassador

### SUMMARY OF WORK EXPERIENCE

- Delta Lake Irrigation District Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Project Management
- Delta Lake Irrigation District Canal A: Procurement of \$1M US Bureau of Reclamations grant
- Progreso Bridge Co. Port of Entry: Paving and Detention Pond Design



**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- Sharyland Water Supply Corporation Design and Construction of Water Treatment Plant NO. 3
- Sharyland Water Supply 1.0 MG Elevated Water Tower
- Sharyland Water Supply WTP #1: USDA \$6 Million Funding Coordination
- City of Donna 1.0 MG Elevated Water Tower
- City of Ingram Wastewater Improvements - Phase I
- City of Ingram Wastewater Improvements - Phase II
- City of Ingram Lift Station No. 1 and No. 2
- Solid waste disposal sites and transfer stations.
- City of Weslaco EDAP Facility Plan
- Weslaco T- Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Landfill Closure for the City of McAllen.
- Landfill Surveying and Engineering for BFI Landfill, Donna, Texas.
- Water distribution study for the Sharyland Water Supply Corporation.
- Odor control study for the City of Weslaco Wastewater Treatment Plant and Collection System.
- Wastewater pretreatment plant for Southern Frozen Foods packing plant in Alamo (a 0.5 million gallon per day flow, 1,210 mg/l BOD<sub>5</sub> average).
- Study and pilot program for the City of La Feria using manmade wetlands as secondary treatment for lagoon effluent.
- City of Weslaco Economically Distressed Areas Program (EDAP) Facility Plan.
- City of McAllen Wastewater Treatment Plant No. 3, Four (4) Million Gallon Per Day Addition.
- Environmental Assessment for Hidalgo County Irrigation District No. 6 for a loan application to the United States Bureau of Reclamation. Complete archeological and environmental coordination with Local, State and Federal Agencies with approval for this project was done in this report.
- Multiple site work for HEB Stores located across the Valley: Ware Road HEB, McAllen; Weslaco HEB; Mercedes HEB; and subdivision work on Alamo HEB.
- Subdivision and site work for Weslaco Luby's Cafeteria.
- Weslaco Independent School District/ South Palm Gardens -- Septic tank design and drain field.
- City of Weslaco - City Engineer from 1990 to 2006, 2018 - Current
- City of McAllen Water Treatment Plant 2 MGD addition to the North Treatment Plant to bring total permitted capacity to 8 MGD.
- City of Weslaco Odor Control for North Wastewater Treatment Plant
- City of Weslaco 1 MGD Addition Extended Aeration Wastewater Treatment Plant
- City of Weslaco Study and Master Plan for Water and Wastewater Facilities
- City of Weslaco La Colonia Las Palmas Sewer Improvements
- City of McAllen Rehabilitation of Sludge Beds at WWTP No. 2
- City of McAllen PUB Sludge Handling Facility Pilot Study and Recommendations
- City of McAllen Highland Lift Station
- City of Weslaco Re-Design of Pumps and Motors and Controls for LS No. 27

**Joseph B. Winston, Jr., P.E. R.P.L.S.,**

**Vice President**

Weslaco, TX 78596

(956) 968-2194

joe@siglerwinstongreenwood.com

**EDUCATION**

**Texas Tech University**

Bachelor of Science in Civil Engineering

1966

**REGISTRATION**

Professional Engineer State of Texas No.: 31109

Registered Public Surveyor of Texas No.: 3780

**WORK EXPERIENCE**

Principal-Consulting Engineering Firm of SWG Engineering, LLC. Weslaco, Texas

1969 – Present

Junior Engineer-Winston & Greenwood, Consulting Engineers, Mercedes, Texas 1966-1969

**PROFESSIONAL AFFILIATIONS**

- Member of Texas Society of Professional Engineers
- Member of American Society of Professional Engineers

**SUMMARY OF WORK EXPERIENCE**

- Served as City Engineer on a retainer basis for the cities of Alamo, Texas, and City of San Juan, Texas
- Currently serving as City Engineer on a retainer basis for the City of Mercedes, Texas, and the City of La Feria, Texas
- Prepared EDA Application for Water Distribution and Wastewater Collection System Improvements for the City of Weslaco
- Prepared EDA Application for Water Treatment and Water Distribution Improvements for the City of Alamo
- Engineer in charge of 750,000 Gallon Elevated Composite Water Tank for City of Mercedes
- Engineer in charge of 500,000 Gallon Composite Elevated Tank
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, Water Distribution Additions, Wastewater Treatment and Collection Improvements for the City of Alamo
- Assisted with collection and analysis of water samples for Area Wide Plan for Sewerage Treatment Facilities for the Rio Grande Valley Pollution Control Authority/Lower Rio Grande Valley Development Council
- Assisted with the Non-Point Source Report for the Lower Rio Grande Valley Development Council 208 Water Quality Program
- Directed gathering and analysis of data for the Flood Insurance Survey of several cities in Hidalgo County
- Prepared Master Plan and Studies for DHUD Water Improvements, Wastewater Improvements, Paving and Drainage Improvements for the City of San Juan
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, water Distribution Improvements, Development of Raw Water Reservoir, Wastewater Collection Improvements, Wastewater Treatment Plant Expansion, Storm Water Improvements, and Paving Improvements for the City of San Juan
- Prepared Solid Waste Permits for the Cities of Mercedes, Alamo, San Juan, and McAllen
- Assisted the City of Harlingen Water Works System with full-time residence inspection services for the New 15 MGD M.F. Runnion Water Treatment Plant and Reservoir and with Water Distribution Improvements
- Chairman for three years of the Lower Rio Grande Valley Development Council's Pre-Application Review Panel
- Engineer in Charge of the 2.0 MGD Loma Alta Water Treatment Plant and Above Ground storage Tank for the Brownsville Navigation District

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- Engineer in Charge of Report, Plans and Specifications for the Rehabilitation of Irrigation and Drainage Facilities of Hidalgo County Water Improvement District No. 5, Progreso -- a project with more than \$ 6,000,000 in construction costs
- Engineer in Charge of the Improvements, Additions, or New Construction of Several Mobile Home Parks -- Llano Grande, Alamo Palms, Winter Ranch, etc.
- Improvements to Water Treatment Plant No. 1, including a New Clearwell, City of McAllen.
- Engineer in Charge of 54" Raw Water Line, two - 7.5 MGD Expansions, Three - 2 Million Gallons Above Ground Storage Tanks with Transfer Pumping, Four Additional High Service Pumps, including Building, a \$ 4,500,000 -- 8.0 MGD Addition, SCADA Instrumentation, and Exterior Improvements for the Southwest Water Treatment Plant (formerly Water Treatment Plant No. 2), City of McAllen.
- Rehabilitation of Water Treatment Plant for the City of Roma.
- Assisted with Chlorination-Dechlorination, and Instrumentation for Wastewater Treatment Plants No. 2 and 3, City of McAllen.
- Assisted with Municipal Park Improvements for the cities of Hidalgo, Mercedes, and La Feria, including Swimming Pool Improvements for the City of Hidalgo and City of Mercedes.
- Engineer in Charge of 24-inch Distribution Main Improvements for the City of McAllen.
- Engineer in Charge of the Cleaning and Repairing of Elevated and Ground Storage Tanks for the cities of Laredo, San Juan Alamo, Mercedes, and La Feria.
- Assisted architectural firm with the development of a wastewater disposal system for the Zenith Electronics Maquiladora Plant in Mexico
- Engineer in Charge of report, and plans and specifications for two separate projects for the Relocation of Utilities within IH 35 for the Laredo Waterworks System
- Engineer in Charge of Repairs to Raw Water Intake Screens and Pumps for the Laredo Waterworks System
- Engineer in Charge of the Renovation of the 18.0 MGD Water Treatment Plant No. 1 including New Equipment for Mixing, Settling, Electrical, Chemical, Instrumentation, Piping, Valves, etc., for the Laredo Waterworks System. Also included was coordination with architect of major architectural improvements
- Engineer in Charge of plans and specifications for the Renovation for the Chemical Feed Equipment for Water Treatment Plant No. 2, Laredo Waterworks System
- Engineer in Charge of Water Rate Study for the City of San Juan and the City of Mercedes. Assisted with water rate studies for the Laredo Waterworks System and the City of McAllen
- Engineer in Charge of the Renovation of the 1.3 MGD Wastewater Treatment Plant including Additional Sand Drying Beds, and the Addition of a 1.0 MGD Extended Aeration Wastewater Treatment Facility for the City of Mercedes
- Engineer in Charge of the Renovation of the Water Treatment Plant for the City of Mercedes, and the Addition of a Residual Management Basin, and a 1.2 MG Clearwell
- Engineer in Charge of Developing a Supplemental Water Well, Storage and Pumping Facilities for Southern Frozen Foods in the City of Alamo
- Engineer in Charge of Renovation of Water Treatment Plant, including Adding Clarification, 500,000 Gallon Clearwell, and Chemical Feed System for the City of La Feria
- Engineer in Charge of Additional Wastewater Treatment Capacity in the form of oxidation lagoons for the City of La Feria
- Engineer in Charge of Parking Facilities, Bus Service Roads, Tennis Courts, and Other Site Improvements for the Mercedes Independent School District
- Engineer in Charge of Rehabilitation of the Water Treatment Plant of Phoenix Frozen Foods in Monte Alto
- Engineer in Charge of Field Work and Site Development of Two Industrial Parks for the City of Mercedes
- Prepared Applications for the Innovative and Alternative Technology Funding for Land Application of Wastewater and Sludge for the city of McAllen
- Engineer in Charge of Rehabilitation of Major Lift Stations for the City of Mercedes
- Preparation of Solid Waste Site Closure Plans for the City of Mercedes and the City of McAllen
- Engineer in Charge of Field Work and Site Development of Two Industrial Park Sites for the City of La Feria

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program**  
**RFQ 2019-20-24**



- Engineer in Charge of Plans and Specifications for Water Distribution Improvements, Wastewater Collection Improvements, Paving and Drainage Improvements for the City of Mercedes from 1978 to currently
- Engineer in Charge of Plans and Specifications for Water Distribution, Wastewater Collection and Paving and Drainage Improvements for the City of La Feria from 1976 to currently
- Prepared Study and Analysis of Leaks in a 30"/36" Raw Water Line serving CPL's J.L. Bates Power Station.
- Engineer in Charge of Solid Waste Transfer Stations for the City of La Feria and the City of Mercedes
- Engineer in Charge of O&M Manual for the City of Mercedes Wastewater Treatment Improvements
- Prepared Feasibility Study for Additional Water Treatment Plant Capacity for the City of McAllen
- Provided Engineering Analysis and Costs for City of La Feria Master Plan
- Prepared a Joint Drainage Study for the City of La Feria and La Feria Irrigation Dist. No. 3
- Engineer in Charge for Economically Distressed Areas (EDAP) Application and Facility Plan for the City of Mercedes
- Engineer in Charge of Disinfection Studies for the Cities of La Feria, Mercedes, and McAllen
- Engineer in Charge of Site Improvements for HEB Grocery in the Cities of Weslaco and Pharr
- Engineer in Charge of Bridge over Anacuitas Seco Drain and Box Culvert and New Floodway Levee Structure for Hidalgo County Drainage District's Drainage Improvements in the City of Mercedes
- Assisted Mejia and Rose, Inc. with Water Treatment Improvements to the City of Los Fresnos Water Treatment Plant Engineer in Charge of Plans and Specifications for a New Municipal Water Well for the City of Mercedes



**Jose G. Reyes, P.E.**

**CONSULTING ENGINEER**

Weslaco, TX 78596

(956) 968-2194

jreyes@siglerwinstongreenwood.com

**EDUCATION**

University of Texas at San Antonio

**Bachelor of Science in Mechanical Engineering**

1995

**REGISTRATION**

Professional Engineer State of Texas No.: 93827

**WORK EXPERIENCE**

SWG Engineering, LLC

Weslaco, Texas

**Senior Project Engineer**

09/2017 – Present

Eberle Materials, Inc

**Project Manager**

2016-2017

Clore Construction Co.

**Senior Project Manager**

2015-2015

EISG, Inc.

**Contractor Quality Control Systems Manager**

2014-2015

M Garcia Engineering, LLC

**Senior Project Manager**

2013-2014

Guzman & Munoz Engineering & Surveying, Inc.

**Senior Project Manager**

2010-2012

Ballenger Construction

**Contractor Quality Control Systems Manager**

2010

Dos Logistics, Inc.

**Project Manager**

2008- 2009

TEDSI Infrastructure Group

**Project Manager**

2002-2008

S & B Infrastructure, LTD.

**Assistant Engineer**

1999-2002

J. Saenz & Assoc.

**Design Engineer**

1999

**PROFESSIONAL AFFILIATIONS**

- Member of Texas Society of Professional Engineers
- Member of National Society of Professional Engineers
- Member of American Society of Professional Engineers
- Member of American Society of Civil Engineers

**SUMMARY OF WORK EXPERIENCE**

- City of Donna: Proposed Offsite Waterline Improvements, Wastewater and Water Improvements Phase 2 for The Shops at 493 Subdivision: Engineer in charge of Design and Construction.
- Proposed Paving Improvements and Drainage Improvements for The Shops at 493 Subdivision Phase 2: Engineer in charge of Design and Construction.
- Proposed 12" Offsite, Interconnecting Waterlines and Existing Elevated Tank Improvements: Engineer in charge of Design and Construction.

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- SWSC's WTP #2: Paving and Drainage Improvements: Engineer in charge of Design and Construction.
- SWSC's 10,100 LF of 12" WL: Transmission: Engineer in charge of Design and Construction.
- City of Port Isabel Medians: Civil Improvements: Engineer in charge of Design and Construction.
- City of Port Isabel Washington Park: Civil Improvements: Engineer in charge of Design and Construction.
- City of Harlingen I.S.D: Paving and Drainage: Engineer in charge of Design and Construction.
- City of Port Isabel Garcia Street: Engineer in charge of Design and Construction.
- NAWSC's 5100 LF of 6" WL: Engineer in charge of Design and Construction.
- City of Los Indios Community Park: Civil Improvements: Engineer in charge of Design.
- City of Mercedes Community Center: Civil and Paving Design: Engineer in charge of Design and Construction.
- City of Donna Waterline Interconnect Improvements: Civil Design: Engineer in charge of Design.
- City of Weslaco Pleasantview and 11th Street: Civil and Drainage Design: Engineer in charge of Design of Crossings and Ditch Improvements.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco IBWC Levee: Civil Design: Engineer in charge of Design and Construction.
- Long Island Village: Civil Design: Engineer in charge of Design of Water, Wastewater and Paving Improvements.
- Hidalgo County: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of McAllen: Designed of Subdivision, Engineer on charge of Plat and Construction Plans.
- UTRGV –IEAS Building and UTRGV – Science Building
- USIBWC, LRGFCP, Progreso Levee: (Project length 6 miles)
- USIBWC, LRGFCP, North Floodway and Arroyo Colorado Levees: (Project length 26.8 miles)
- Mission Levee, Common Levee/Anzalduas Dike Improvements, USIBWC/DHS
- Colonias Access Program (CAP)
- Anzalduas International Bridge
- Responsible for the management and administration of the Project.
- Morrison Rd., Responsible for management and administration. For the design of the schematic layout and then continued with the PS&E. Designed the horizontal alignment using existing survey data and TxDOT Roadway Design Manual criteria
- Mile 6 West, Responsible for roadway pay quantities, and design of pavement markings as per TxDOT standards and the Texas Manual on Uniform Traffic Control Devices (TMUTCD).
- Mile 2 WEST, Responsible for the pavement quantity calculations and roadway design for Schematic Layout. Developed transition lengths sections as per TxDOT Standards. Prepared Plans and Profiles, Sign Summaries, SW3P's, Pavements Markings and TCP's. Sized culverts and developed culverts layout as per TxDOT Standards
- IH 35 RAMP SCHEMATIC, Responsible for evaluating different ramp alternatives alignments for IH 35. Developed typical sections for the proposed on and off ramps as per TxDOT standards.
- JBS PARKWAY, Odessa, TX, Developed all the required documentation for TxDOT Public Meetings. Developed Pre-Construction Estimates and Project Layouts for the proposed interchanges configurations alternatives.
- US 83/SH 359 – Laredo, TX, Developed plans and profiles, design roadway typical sections, and calculate pavement quantities. Developed project cost summaries using HIGH ESTIMATOR PROGRAM.

**ISAAC HUACUJA, E.I.T.**

Weslaco, TX 78596

(956) 968-2194

**CONSULTING ENGINEER**

isaac@siglerwinstongreenwood.com

**EDUCATION**

The University of Texas Rio Grande Valley

**Master of Science in Civil Engineering**

Spring 2019-Present

The University of Texas Rio Grande Valley

**Bachelor of Science in Civil Engineering**

Texas A&M University

**Agricultural and Biological Engineering**

TBPE P.E. Exam PASSED 04/2018

**WORK EXPERIENCE**

SWG Engineering, LLC

Weslaco, Texas

**Project Engineer**

09/2017 – Present

*Company specializes in assisting public & private entities on various engineering issues.*

- Consulting Civil Engineering: Design and development of various concurrent projects concerning Water Resources, Water Treatment, Wastewater Treatment, Groundwater, Water Distribution, Wastewater Collection, Stormwater Drainage, Flood Mitigation, Agricultural Irrigation Systems, Environmental Engineering, Water Systems, Hydraulic Modeling, Pump Systems, among others.
- Procurement of Federal, State and Local Funding Agencies such as FEMA, TDEM, USBOR, USDA, TWDB, TPWD, among others.
- Assist local government and entities, ranging from Municipalities to Districts, in the successful completion of projects, from funding procurement, preliminary study and analysis, engineering design and plans, to construction management.

DHM

West Jordan, Utah

**Construction Project Manager (Remote)**

07/2016 – 09/2017

*Company specializes in reconstruction and rehabilitation of residential properties.*

- Approved projects, budgets, and bids, vetted contractors, handled draw requests, ensured contractors worked within schedule and scope, created project schedules, commissioned site inspections, maintained accountability of budget funds, and ensured the overall successful completion of several concurrent projects.
- Commonly handled 1-12 projects concurrently, with budgets between \$25K-75K. Completion rate per construction was typically between 2 to 4 months. Revised and approved dozens of budgets with a combined total of over \$2M. Maintained communications between the company, client, and contractors throughout duration of projects.

Covering America LLC

Brownsville, Texas

**Concrete Construction Manager**

01/2015 – 05/2017

*Company specializes in concrete floors and foundations, specifically in laser screeding and industrial floor finishes.*

- Participate in several aspects of daily operations, such as site visits, cost estimations, proposals, bids, and management. Jobs during my employment consisted of the construction and laser leveling of +100 of concrete floors and foundations for several national retail chain clients.
- Jobsites ranged from 7,000 ft<sup>2</sup> commercial retail properties to 20,000 ft<sup>2</sup> warehouses.

### **SKILLS & ACCOMPLISHMENTS**

- Proficient in SolidWorks, InventorPro, LabView, M. Office, Surveying, Spanish, SCUBA
- Project Engineer for ASCE-RGV's "Innovative Project of the Year 2019"
- American Society of Civil Engineers-RGV: Board Director and Treasurer

### **RELEVANT PROJECTS**

- SWSC's 1 MG Elevated Storage Tank: Project Management
- SWSC's 10,100 LF of 12" WL: Transmission Waterline Design and Project Management
- Weslaco T-Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Progreso Bridge Co. Port of Entry: Paving and Grading Design
- SWSC's WTP #2: Paving and Drainage Improvements: Project Management
- City of Port Isabel Medians: Civil Improvements Design
- City of Port Isabel Washington Park: Civil Improvements Design
- City of Harlingen C.I.S.D: Preliminary Paving and Drainage Design support
- City of Port Isabel Tarnava Street: Paving Design and Project Management
- City of Port Isabel Garcia Street: Traffic Control Design and Project Management
- NAWSC's 5,100 LF of 6" WL: Waterline Design and Project Management
- City of Los Indios Community Park: Civil Improvements Design
- DLID Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Management
- DLID Canal A: Procurement of \$1M US Bureau of Reclamations grant
- SWSC's WTP #1: USDA \$6M funding coordination
- SWSC's GSTs: Rehab and recoat project management
- City of Mercedes Community Center: Civil and Paving Design; Electrical, Landscaping, and Irrigation Project Management
- City of Laredo Love's Truck Stop: Feasibility analysis of water and wastewater services at remote location, including groundwater availability assessment, RO treatment, and wastewater onsite treatment and disposal
- City of Mercedes Water Well: Rehabilitation of abandoned water well; design and project management of 2.0 MGD system (35% of total water supply)
- City of Lyford Flood Mitigation: Procurement of \$750K HMGP funding and preliminary design of stormwater pump station and detention facility
- City of Mercedes Capias Subd. SS: preliminary design and funding procurement for ~\$2M new sanitary sewer service and lift station
- City of Mercedes Collier Pump Station: preliminary design of stormwater pump station and detention areas
- City of Mercedes Hike & Bike Trail: design and funding procurement for ~6 mile trail





THE HARTFORD  
BUSINESS SERVICE CENTER  
3600 WISEMAN BLVD  
SAN ANTONIO TX 78251

September 9, 2020

City of Weslaco  
Attn: Homer Rhodes  
Purchasing Manager  
255 S Kansas Ave  
Weslaco TX 78596

#### Account Information:

|                                |                      |
|--------------------------------|----------------------|
| <b>Policy Holder Details :</b> | SWG ENGINEERING, LLC |
|--------------------------------|----------------------|



#### Contact Us

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Business Service Center

**Business Hours:** Monday - Friday  
(7AM - 7PM Central Standard Time)

**Phone:** (866) 467-8730

**Fax:** (888) 443-6112

**Email:** [agency.services@thehartford.com](mailto:agency.services@thehartford.com)

**Website:** <https://business.thehartford.com>

Enclosed please find a Certificate Of Insurance for the above referenced Policyholder. Please contact us if you have any questions or concerns.

Sincerely,

Your Hartford Service Team



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/09/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                 |                                                              |                                         |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------|
| <b>PRODUCER</b><br>DAVID ISON INSURANCE INC<br>65813865<br>1383 EAST BITTERS ROAD STE 1<br>SAN ANTONIO TX 78216 | <b>CONTACT NAME:</b>                                         |                                         |
|                                                                                                                 | <b>PHONE</b> (210) 490-1494<br>(A/C, No, Ext):               | <b>FAX</b> (210) 490-1569<br>(A/C, No): |
|                                                                                                                 | <b>E-MAIL ADDRESS:</b>                                       |                                         |
|                                                                                                                 | <b>INSURER(S) AFFORDING COVERAGE</b>                         |                                         |
|                                                                                                                 | <b>NAIC#</b>                                                 |                                         |
| <b>INSURED</b><br>SWG ENGINEERING, LLC<br>611 BILL SUMMERS INTERNATIONAL BLVD<br>WESLACO TX 78596-9168          | <b>INSURER A :</b> Hartford Insurance Company of the Midwest |                                         |
|                                                                                                                 | <b>INSURER B :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER C :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER D :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER E :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER F :</b>                                           |                                         |

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                              | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/Y YY) | LIMITS                                                                                                                                                               |                                           |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|          | <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          |               |                         |                         | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG     |                                           |
|          | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> ALL OWNED AUTOS<br><input type="checkbox"/> HIRED AUTOS<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> NON-OWNED AUTOS                                   |           |          |               |                         |                         | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)                                  |                                           |
|          | <input type="checkbox"/> UMBRELLA LIAB<br><input type="checkbox"/> EXCESS LIAB<br><input type="checkbox"/> OCCUR<br><input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> RETENTION \$                                                                              |           |          |               |                         |                         | EACH OCCURRENCE<br>AGGREGATE                                                                                                                                         |                                           |
| A        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                  | Y/N       | N/A      | 65 WBC AC7143 | 09/02/2020              | 09/02/2021              | <input checked="" type="checkbox"/> PER STATUTE<br><input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE -EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | \$1,000,000<br>\$1,000,000<br>\$1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Those usual to the Insured's Operations.

## CERTIFICATE HOLDER

City of Weslaco  
 Attn: Homer Rhodes  
 Purchasing Manager  
 255 S Kansas Ave  
 Weslaco TX 78596

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Suean L. Castaneda*

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**SAM Search Results**  
**List of records matching your search for :**  
**Search Term : SWG Engineering, L.L.C.\***  
**Record Status: Active**

|                                 |                           |                             |
|---------------------------------|---------------------------|-----------------------------|
| <b>ENTITY</b>                   | SWG Engineering, L.L.C.   | Status: Active              |
| DUNS: 022648628                 | +4:                       | CAGE Code: 7W3E2 DoDAAC:    |
| Expiration Date: 05/05/2021     | Has Active Exclusion?: No | Debt Subject to Offset?: No |
| Address: 611 International Blvd |                           |                             |
| City: Weslaco                   | State/Province: TEXAS     |                             |
| ZIP Code: 78596-9108            | Country: UNITED STATES    |                             |

# CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

## OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

SWG Engineering, LLC

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

N/A

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes ☒ No

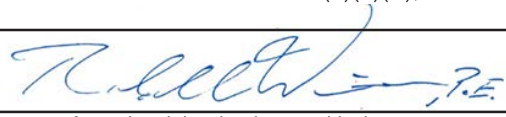
B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☒ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7   
Signature of vendor doing business with the governmental entity

September 9, 2020

Date



## **CONFLICT OF INTEREST QUESTIONNAIRE**

### **For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

- (2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;  
or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

- (a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

- (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

- (1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

- (2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, SWG Engineering, LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

Randall C. Winston, P.E., President  
\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

September 9, 2020  
\_\_\_\_\_  
Date

## Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><u>N/A</u> a. contract<br>b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Status of Federal Action:</b><br><u>N/A</u> a. bid/offer/application<br>b. initial award<br>c. post-award                                                                                                                                                             | <b>Report Type:</b><br><u>N/A</u> a. initial filing<br>b. material change                                                                                                         |
| <b>Name and Address of Reporting Entity:</b><br><u>      </u> Prime <u>      </u> Subawardee<br>Tier <u>      </u> , if Known:<br><br><div style="text-align: center;">N/A</div><br><b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                          | <b>If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b><br><br><div style="text-align: center;">N/A</div><br><b>Congressional District, if known:</b> |
| <b>Federal Department/Agency:</b><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>7. Federal Program Name/Description:</b><br><br><div style="text-align: center;">N/A</div> CFDA Number, if applicable: _____                                                                                                                                          |                                                                                                                                                                                   |
| <b>Federal Action Number, if known:</b><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>9. Award Amount, if known:</b><br><br><div style="text-align: center;">\$ N/A</div>                                                                                                                                                                                   |                                                                                                                                                                                   |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i><br><br><div style="text-align: center;">N/A</div>                                                                                  |                                                                                                                                                                                   |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <br><b>Print Name:</b> <u>Randall C. Winston</u><br><b>Title:</b> <u>President P.E.</u><br><b>Telephone No.:</b> <u>(956)968-2194</u> <b>Date:</b> <u>9/9/2020</u> |                                                                                                                                                                                   |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Authorized for Local Reproduction<br/>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                                                                                             |                                                                                                                                                                                   |



**Request for Qualifications-  
Engineering/Architectural/Surveying  
Services- CDBG-MIT Program  
RFQ 2019-20-24**





# CONTENTS

|                                                |    |
|------------------------------------------------|----|
| Cover Letter .....                             | 3  |
| Firm Profile .....                             | 4  |
| Technical Approach .....                       | 6  |
| Project Management .....                       | 8  |
| Quality Assurance / Quality Control Plan ..... | 9  |
| Construction Engineering Inspection.....       | 10 |
| Key Staff .....                                | 12 |
| Team Organization.....                         | 15 |
| Project Experience .....                       | 15 |
| Funding Procurement.....                       | 19 |
| Awards and Accolades.....                      | 22 |
| Resumes .....                                  | 23 |

September 9, 2020

Mr. Homer Rhodes, Purchasing Manager  
City of Weslaco  
255 S. Kansas Ave.  
Weslaco, Texas 78596

Re: RFQ- Engineering/Architectural/Surveying Services- CDBG-MIT Program RFQ 2019-20-24

Dear Mr. Homer Rhodes,

We appreciate the opportunity to present our Statement of Qualifications in response to the City of Weslaco's Request for Qualifications for RFQ- Engineering/Architectural/Surveying Services- CDBG-MIT Program RFQ 2019-20-24. We have put together a team that strives to exceed expectations, and that possesses true dedication, exemplified by our commitment to project success.

SWG Engineering, LLC (SWG), has been providing engineering services in the South Texas Region, with extensive projects within the Lower Rio Grande Valley, ever since it was established in 1945. Throughout the 75 years in the field of engineering, the employees of SWG have assisted all types of project owners complete their projects and solve their problems, ranging from Municipalities, Counties, Districts, and other political subdivisions, to private industries. We pride ourselves in our commitment to excellence and our dedication to our projects and project owners, such that over 80% of our business is by repeat project owners, pleased with our performance. We work closely with project owners to identify the objectives of the project, and provide a dedicated team of highly qualified professionals to meet those needs. **SWG strives to be more than an engineer to our client. We strive to be trusted partners and consultants.**

Our team's uniqueness is the full-service, all-inclusive approach to the project. With our team's extensive experience, we offer City of Weslaco a full range of services from funding procurement and administration, to full engineering design and analysis, to surveying and topographic analysis, to construction management and inspections, all to guarantee the successful completion of the project. Our services go beyond the ordinary, as SWG takes the responsibility of serving and safeguarding City of Weslaco seriously.

We have thoroughly reviewed the scope of work, and are confident in our ability to deliver results in a timely, cost-effective, and professional manner. SWG has worked on drainage projects extensively, and possesses the capability to successfully complete this project as well.

We appreciate the opportunity to work with the City of Weslaco by being of service on this project. Please don't hesitate to give us a call; we would be glad to discuss any questions that you might have. We may be reached at (956) 968-2194 or via email.

Sincerely,



Randall C. Winston, P.E., President

## FIRM PROFILE

### SWG ENGINEERING, LLC

SWG Engineering, LLC, provides consulting engineering services in the South Texas Region with extensive projects in the Lower Rio Grande Valley. SWG has taken a leadership role in providing quality engineering answers in the Valley through our greatest resource – a dedicated and talented staff. Leadership begins with the principals, who are all Texas-registered professional engineers.

During the 75 years in the field of practice, the employees of SWG have assisted municipalities, counties, political subdivisions, governmental agencies and private industries. Our work speaks for itself as 80 percent of our business is from repeat clients.

***Our firm's philosophy is simple, we always strive to provide our clients with unparalleled consulting services by putting our clients' interest first.*** We work closely with our clients to identify the objectives of the project and assemble a team of highly qualified professionals to meet those needs. SWG strives to be more than an engineer to our client. We are trusted partners and consultants. Our firm's principles are based on efficiency, quality and **unmatched customer service**. We envision cost-effective engineering design concepts without compromising on quality. SWG Engineering is committed to our clients' success. Our experience, combined with our advanced technical support, provides us with the unique ability to expedite the planning and design phase before the actual construction.

As a pioneer of engineering in the Rio Grande Valley, we have continually invested time and money in charitable and public-spirited activities within our community to ensure we contribute to the Valley's continued growth and development of future

### AREAS OF SPECIALIZATION

We provide a broad range of services besides design, such as master planning, conceptual studies, feasibility studies, rate studies, environmental studies, preliminary reports, plans and specifications in civil engineering design and structural engineering (bridges, concrete structures, building foundations).

### GENERAL SERVICES

- Consulting
- Water Treatment & Distribution
- Wastewater Treatment & Collection
- Irrigation Systems & Treatment
- Storm Drainage Evaluation and Design
- Flood Mitigation
- Feasibility Studies
- Grant Funding Assistance
- Environmental Engineering
- Capital Improvements Plan
- Asset Management
- Construction Management
- Site Planning, Analysis and Design
- Street and Roadway Design
- Flood Control & Flood Plains
- Site Grading & Earthwork
- Land Surveying
- Topographic & Detailed Mapping
- Structural Engineering
- GPS Technology
- GIS Technology

### CONSULTING ENGINEERING SERVICES

- City Engineering
- Preparation of Construction Plans
- Preparation of Procurement Documents
- Construction Management
- Project Funding Procurement
- Infrastructure Assessments
- GIS Mapping

**1.) Firm name, including the addresses of all firm offices identifying in which office the work will be performed:**

SWG Engineering, LLC  
Primary Office: 611 Bill Summers Intl. Blvd.  
Weslaco, TX 78596

McAllen Office: 510 S. Broadway St.  
McAllen, TX 78501

**2.) Names, position, phone and fax of contact person:**

Randall C. Winston, P.E.  
President  
(956)968-2194  
(956)968-8300

**3.) Names of principals in the firm; years firm has been in business:**

Randall C. Winston, P.E.  
Joseph B. Winston, P.E.  
75 Years in Business

**4.) Listing of all pending litigation against or involving the firm or its agents or employers with respect to any work performed:**

N/A

**5.) Amount of professional liability insurance coverage carried by your firm:**

SWG Engineering, LLC maintains a professional liability insurance in the amount of \$1,000,000.00

**6.) Name and phone number of person to contact at the banking institution where firm does business:**

Frost Bank  
Paola Escalante Castillo  
(956)702-6683

**7.) Disciplines of consultants for the proposed project:**

SWG Engineering – Civil Engineering, Environmental Engineering, Water Resources Engineering, Transportation Engineering, Construction Engineering & Inspection, Surveying, Construction Administration, and Funding Procurement.

**8.) Current work load of staff that would be responsible for the project:**

SWG Staff would be able to dedicate 75% of their time to this project and is committed to deliver timely results.



## TECHNICAL APPROACH

To ensure maximum efficiency and accuracy, SWG employs a systematic approach to executing projects. From engineers to project managers and construction quality control teams, we all adhere to the execution plan in order to deliver the assignment on-time and on-budget.

### PHASE 1: PROJECT DEVELOPMENT

This initial phase is crucial for the success of a project. Our team gathers necessary information to commence conceptual engineering, preliminary engineering, and ultimately establish a project budget estimate and schedule before moving into detailed design.

#### CONCEPTUAL ENGINEERING

- Review project scope
- Formalize strategy
- Review owner design standards
- Review existing utilities and site constraints
- Perform preliminary code search
- Research permitting requirements
- Develop process design basis

#### PRELIMINARY ENGINEERING

- Establish design criteria and approach
- Conduct code and permitting reviews
- Coordinate with OEMs and vendors
- Create process equipment flow diagrams and layouts
- Estimate with accuracy and contingency variance
- Provide value engineering and alternates
- Develop preliminary schedule
- Determine project staffing

### PHASE 2: DETAILED DESIGN

The detailed design phase is where we use the client's input from the project development phase to transform the schematic drawings, outline specifications and project definition into working drawings and specifications.

- Delivery of final outline specification and drawings
- Multiple drawing reviews: 30%, 60%, and 90%
- Drawing acceptance by owner
- Collaboration with vendors and OEMs on longer-lead items

### PHASE 3: PROJECT IMPLEMENTATION

**Cost control:** We perform thorough planning and bid management during procurement, develop a process for change management and prepare detailed accounting for accurate forecasting and reporting.

**Quality assurance:** Our proactive approach to quality control begins during pre-construction and continues through closeout. It includes rigorous review of design and submittal documents, on-site inspections and project observation reports for every critical juncture, monthly and weekly progress reports, independent agency testing, as well as mock-ups & samples and mechanical systems start-up and training. **We keep tight control throughout construction, to safeguard owner from any deficiencies.**

**Schedule controls:** We keep projects moving through constant collaboration and planning, which includes regular schedule updates, two-week look-aheads and weekly subcontractor coordination meetings.

**Communication:** All client communications are handled through our project manager. Our project manager oversees all communication, acting as a single point of contact for design, submittals and shop drawing control, requests for information (RFIs), drawing management procedures and design changes.

**Safety:** The safety of our employees, clients and contractors is top priority, so we create project-specific safety plans, perform safety audits, create emergency protocols, and adhere to all OSHA requirement.

### PHASE 4: COMMISSIONING & CLOSING

- Mechanical systems start-up and training
- Final field inspections
- Punch list
- Record drawings
- Owner's manuals

**1. PROJECT SCOPE VERIFICATION (5%):**

Meet with client to verify project parameters, complete preliminary investigations, budget, schedule, size, location service district...etc.

**2. INTERNAL KICK-OFF MEETING (5%):**

The design team meets to discuss the project considerations, approach, schedule, and deliverables. This meeting is directed by the project manager and attended by the survey department, designer, engineer, drafter, and the client representative.

**3. OBTAIN EXISTING INFORMATION (10%):**

Available local record information is researched and existing utility companies are requested to provide their specific utility information.

**4. TOPOGRAPHIC SURVEY (15%):**

Initiate field work order to cover the project construction area. Office work includes verification of Right-Of-Way, property lines, existing easements and public/private utility location.

**5. UTILITY REVIEW (20%):**

Preliminary drawings are supplied to all utility agencies for review and comment. All possible conflicts are addressed at this stage. Alternatives are discussed as applicable.

**6. PRELIMINARY DESIGN (30%):**

Provide preliminary alignment, drawings, schedule, and cost estimates.

**7. PERMIT DOCUMENTS (60%):**

Final location is determined and all applicable permit applications are prepared. Necessary easements documents finalized and project specifications are assembled.

**8. FINAL DESIGN (90%):**

All applicable permits and easements are secured. Permitting agency comments and special conditions are addressed. Internal constructability review is conducted. Plans are forwarded to the client for final review and approval.

**9. BIDDING DOCUMENTS (100%):**

Final plans and specifications are assembled creating the "Bid Package". Client specific sections (General Conditions, Bonds, Agreements, Technical Specifications...etc.) are included.

**10. BID ADVERTISEMENT:**

Trade publications and local newspapers are used to place the advertisements as authorized by the client. Bidding documents are often scanned and made available for viewing. Hard copies will typically be located at SWG Engineering offices for examination and pickup. General contractors and supplier questions / requests for clarifications are addressed and addenda issued as appropriate.

**11. PRE-BID MEETING:**

Frequently, this meeting is facilitated by SWG Engineering to ensure bidders have a complete understanding of the project scope.

**12. BID-OPENING:**

SWG Engineering will facilitate the bid opening meeting that is attended by the client, bidders, and stake holders. All bids are checked for completeness including the required bonds.

**13. BID TABULATION & RECOMMENDATION:**

Bids are checked for responsiveness, balance, and fatal errors. Bidder's qualifications, insurance, and references are checked. Subsequently, Recommendation of Award will formally be issued to the client.

## PROJECT MANAGEMENT

### PROJECT INSTRUCTIONS AND WORK PLANS

The Project Manager will initiate work, prepare project instructions and work plans, and manage and control progress of the work. He will be the primary contact between City of Weslaco and SWG team members. Project instructions will communicate team members' responsibilities and define tasks, schedules, budgets, and coordination methods.

### PROJECT MONITORING AND CONTROL

SWG will prepare monthly narrative progress reports describing work accomplished during the reporting period, work anticipated in the next reporting period, issues and concerns, problem resolutions, and schedule and budget updates. A cost summary will document expenditures during the reporting period, cumulative expenditures to date, estimated cost to complete the work, and total estimated cost at completion. The costs will be compared to the budget amounts for each task and show any variance. SWG recognizes that meeting the proposed schedule is an essential part of delivering the project successfully and meeting the budget.

### ON TIME AND WITHIN BUDGET

SWG's project management competence rests on our mastery of the tools necessary for managing drainage projects. Our project managers have a fully integrated project control system that combines scope, schedule, budget, and forecast data into one database. This real-time reporting project control system assists project teams in the day-to-day management of their projects.

### SCHEDULING

The keys to an effective schedule include direct integration with Work Breakdown Structure (WBS), resource-loading to assist with funding needs and budget analysis, identification of milestones or deliverables, logical depiction of work processes, and regular updates to assess project performance. Our scheduling success can be attributed to the Critical Path Method (CPM) developed from software programs, depending on project needs and system compatibility.

### BUDGET CONTROL

SWG will use a number of tools for project budget control. These include our management information system for tracking internal project costs; resource utilization, and costs; and cost estimating software for both professional services budget estimates and construction cost estimates. Elements of cost to be estimated include, but are not limited to, are labor, materials, equipment, travel, and expenses.

### PROJECT MEETINGS

Well-planned and properly timed meetings ensure excellent service. The kick-off meeting will help ensure that the City of Weslaco needs, vision, and team member roles and responsibilities are clearly understood. Meetings with City of Weslaco staff and other agencies, as appropriate, will provide valuable coordination. To reduce costs, conference calls will be used when appropriate.

### PROBLEM SOLVING

While many issues can be anticipated and planned around, unexpected obstacles often arise in performance of an endeavor such as this. When obstacles arise, we immediately manage them by investigating the problem, developing alternative solutions, and communicating our ideas for maintaining schedule and budget as soon as possible. Engineers are often described as practical problem solvers, a quality personified by SWG. Characterized by creative thinking, we will offer innovative yet practical concepts for your consideration throughout the project in an effort to better serve the City of Weslaco. We will maintain close contact with your staff, carefully address their ideas, and include them in developing project solutions wherever appropriate.

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## QUALITY ASSURANCE/ QUALITY CONTROL PLAN

The following summarizes the general planning methodology that our team has developed. At SWG Engineering, we believe that it is our responsibility to ensure the accuracy and quality of our proposed projects. Our team prides themselves in client support by ensuring each designated project team member is invested to see their part of the design become a reality. We ensure the all documents are meeting standards and are coordinated between consultants. Quality control is an everyday practice. SWG has developed a Quality Assurance and Quality Control (QA/QC) plan, with the ability to modify it so that it specifically meets each individual projects' requirements. Each project presents unique opportunities and challenges, making customization key.

Our plan consists of:

- **DESIGN CONSULTATION (i.e. PRELIMINARY DRAWINGS AND EXHIBITS)**
  - We ensure all expectations, design criteria, and construction standards are met.
- **PARTICIPATION**
  - We encourage ample participation from stakeholders, public entities, and community groups to ensure all expectations are constantly being exceeded.
- **STANDARD OPERATING PROCEDURES**
  - Set standard of how our firm prepares, produces and reviews plans, specifications, estimates, calculations and other necessary submittal items.
  - Specific procedures based upon type of project, size, scale, and scope of work.
  - Role coordination procedures are followed to properly assign tasks without creating conflicts.
  - Proper procedures followed for obtaining necessary permits.
  - Final review methodology to ensure adequacy of total project design.
    - Each document is independently reviewed and verified for clarity, feasibility, completeness and a precision.
- **SUBSTANTIATION**
  - Proper documentation and submission of required submittals to ensure all QA/QC procedures have been met.
- **FIELD CONSTRUCTION QA/QC**
  - Field Inspection Daily Observation Reports.
  - HD 4K aerial video recordings and drone flights that will showcase project scope, progress, and completion.
    - Also a valuable tool for project owner to showcase improvements to public and stakeholders.



- Time-lapse recordings, where applicable or requested, to showcase impact of improvements.
    - Also a valuable tool for project owner to showcase improvements to public and stakeholders.
  - Web-based service for client's authorized personnel to access, view, and comment on project documents.
- **OTHER**
    - Showcase/Announcement of successful project completion on ASCE-RGV monthly newsletter for public outreach, if desired.

We are aware that each project presents unique opportunities and challenges; customization is the key to success. Our goal is to provide design consultation, drawings, exhibits, and participation in meetings with stakeholders, community groups, and public entities to develop a successful design.

Our firm has built a reputation for high quality work achieved in a spirit of collaboration, both within the firm and with our clients. Quality management is best achieved when all members of a team are thoroughly invested in the project and see their part of the design as a piece of the whole picture. Our team assures the construction documents are meeting standards and are coordinated between consultants. Quality Control is an everyday practice.

Our goal is to make sure that the drawings can be built as planned. We host project coordination meetings and implement internal deadlines to review everyone's goals. This helps us ensure that our clients' needs and requirements are being met. At key milestone of 30%, 60% and 90% progress, our team produces a set of red-lines for an internal review of documents. Constant review of the work is crucial to eliminate human error.

The team's focus on Quality Control assures that our services are continually meeting the goal of continual improvement throughout the process, leading to design excellence.

## CONSTRUCTION ENGINEERING INSPECTION

At SWG Engineering, we have a proven history of delivering successful engineering, environmental, and construction management solutions for projects since 1945. Our team prides ourselves in demonstrating value to our clients through our work by conveying innovative, cost effective, and timely design solutions to their unique request. Our designated Construction Engineering Inspector provides professional supervision in the field, ensuring that our plans are coming to life as per all specifications and design criteria.

SWG is glad to provide the following services under our CEI:

- Full construction oversight to ensure construction as per plans and specifications
- Coordination with all Contractors, Consultants, and Clients
- Overview of tests through independent laboratories on an as needed basis per project specifications
- Ensuring that all ongoing construction meets established timelines
- Preform Field Inspection Report for each site visit
- Preforming monthly drone flights inspections for stakeholders meetings
- Monitoring through time-lapse equipment and recordings to ensure proper QA/QC
- Overseeing that all Safety and Quality Procedures are taking place at all times.
- Ensure that workmanship meets or exceeds expectations
- Ensure high quality materials are used

SWG understands that the best set of plans are only as good as their equivalent construction on the field. This is why SWG ensures coordination and enforces strict oversight over the construction teams, to guarantee the successful construction and realization of the project plans.



## KEY STAFF



### **Project Manager**

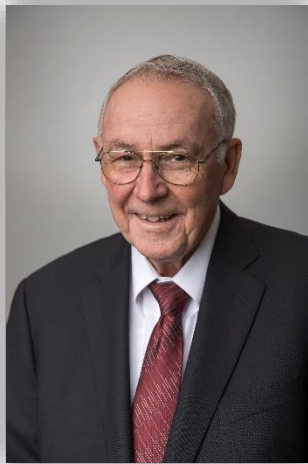
#### **Randall C. Winston, P.E., MSCE, President**

Texas Registered Professional Engineer No. 70417

Master of Engineering in Civil Engineering, Texas A&M University

Bachelor of Science in Civil Engineering, Texas A&M University

Mr. Winston has 34 years of experience in the Civil Engineering industry. His experience includes being principal engineer for several largescale projects in design, regulations, budget and schedule control, and construction management. He has been lead engineer for many largescale projects, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, grading and paving projects, subdivision design and platting, and road widening, among others. As Project Manager, Mr. Winston will be responsible for providing superior client service to ensure complete client satisfaction. He'll ensure technical delivery of the design, and adherence to QA/QC, safety and health requirements, managing project staffing, and financial performance tracking. Mr. Winston has expertise in working with regulatory agencies such as TCEQ, TxDOT, Army Corp of Engineers, IBWC, and other regulatory agencies. In addition to regulatory agencies, Randall has extensive knowledge with funding agencies such as TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, among others.



#### **Joseph B. Winston, Jr., P.E., RPLS, Vice President**

Texas Registered Professional Engineer No. 31109

Texas Registered Professional Land Surveyor No. 3780

Bachelor of Science in Civil Engineering, Texas Tech University

Mr. Winston has over 54 years of civil engineering and surveying experience. His experience encompasses largescale project designs, regulation, analysis, project and construction management, as well as engineering studies, environmental oversight, utility coordination and conflict resolution oversight, hydrology, hydraulic design, plan review, public involvement. He has extensive experience on projects ranging from civil site work, to transportation and paving design, to drainage design, to largescale utility designs, among others.

In addition, Mr. Winston has 54 years of experience throughout the Rio Grande Valley consulting for various entities in the private sector as well as governmental clients. Furthermore, Mr. Winston has served as City Engineer Consultant for various entities such as City of Alamo, City of San Juan, City of Mercedes, and City of La Feria, among others, where he assists and serves the city on all engineering matters.



**Senior Project Engineer**

**Jose G. Reyes, P.E.**

Texas Registered Professional Engineer No. 93827

Bachelor of Science in Mechanical Engineering, University of Texas at San Antonio

Mr. Reyes has 21 years of engineering experience. His experience is composed of engineering design, project estimation and scheduling, planning and controlling, engineer in charge, and coordination. Jose has a strong understanding of both the public and private sectors with project design and oversight experience in Water and Wastewater Utility Design, Drainage Improvements, Civil Improvements, Subdivision Layout Design, Ditch and Crossing Design for Roadways, Transportation design, and Paving and Grading design. Mr. Reyes also has a strong working knowledge of coordinating with agencies such as TCEQ, TxDOT, IBWC, TWDB, TPWD, NADBANK, USDA, and FEMA. As Project Engineer, Mr. Reyes will be responsible for project oversight, project design support, and coordination with project drafting and surveying, participate in the review of existing data, and gathering of field data.



**Project Engineer**

**Isaac J. Huacuja, E.I.T.**

Engineer-In-Training Certificate No. 60690

Bachelor of Science in Civil Engineering, University of Texas Rio Grande Valley

Mr. Huacuja has 6 years of civil engineering experience. His experience includes consulting in Civil Engineering on design and development of Water Resources, Water Distribution Systems, Wastewater Collection Systems, Stormwater Drainage, Flood Mitigation, Pump Systems, Hydraulic Modeling, and Paving and Grading design. Mr. Huacuja also has experience working and coordinating with agencies such as FEMA, TDEM, USBOR, USDA, TWDB, and TPWD. As a Project Engineer, Mr. Huacuja's role will be in project design and project management support, as well as project control specialist, utilizing his background of project planning, management, and design experience for civil and environmental design and construction.





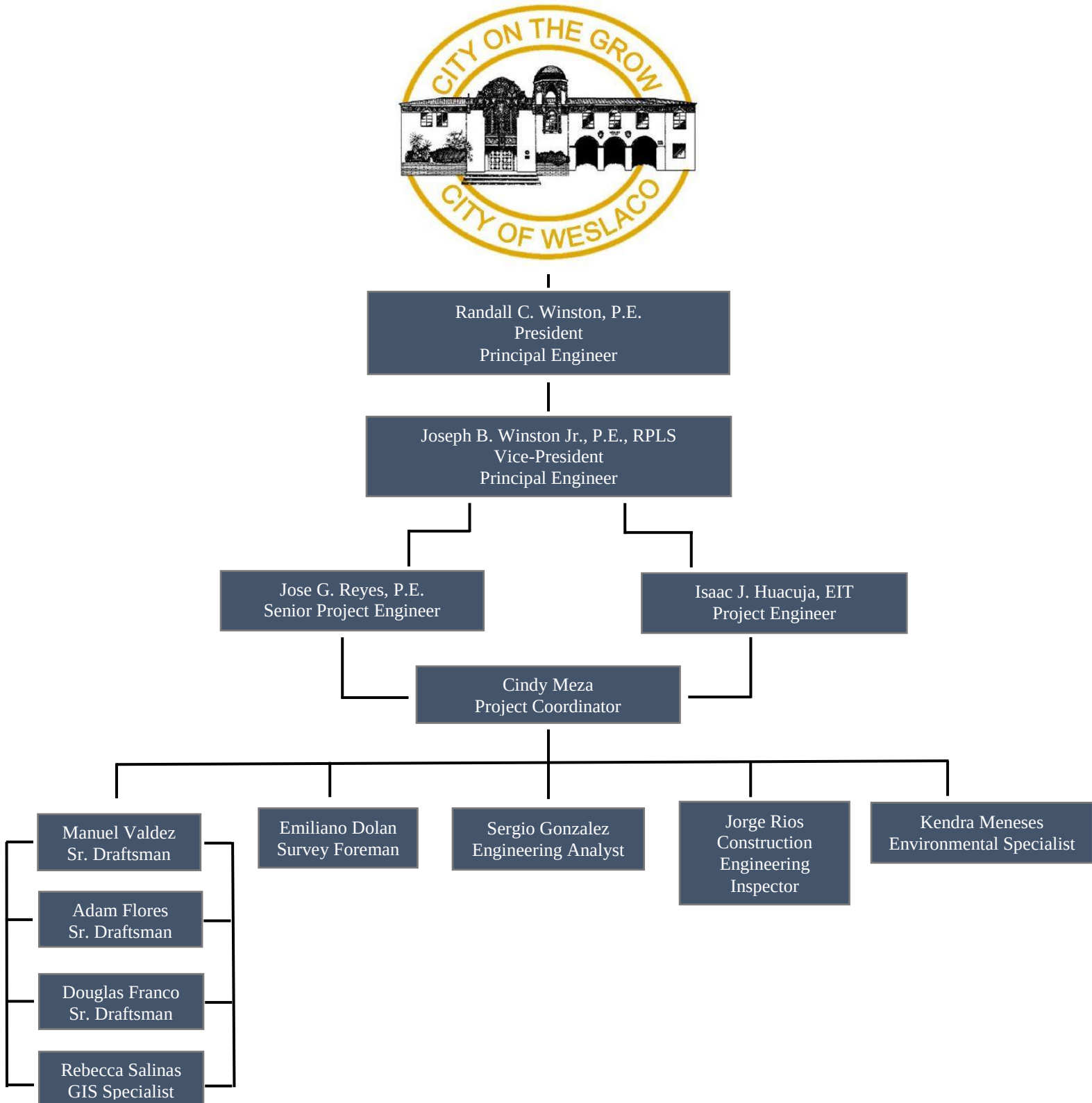
**Construction Engineering Inspector**

**Jorge Rios, Graduate Engineer**

Bachelor of Science in Mechanical Engineering, University of Texas  
Pan American

Mr. Rios has 22 years of experience in Construction Management & Inspection. His background knowledge in Mechanical Engineering allows him to have a better understanding of the standard operating procedures required by the design engineer. Jorge's experience consists of inspection and oversight of several largescale projects, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, and grading and paving projects. Mr. Rios is responsible for full construction oversight of each project to ensure all projects and plans are being built to its specifications, performing Quality Assurance and Quality Control assessments throughout. Additionally, he coordinates with Engineers, contractors, subcontractors, and conducts regular field inspections and reporting, ensuring all safety and quality procedures are met, and assists with proper communication to ensure project is within budget and on time. He has worked as Resident Project Representative for several large scale projects, on which funding by federal agencies required strict construction compliance.

## TEAM ORGANIZATION



## PROJECT EXPERIENCE

**Client:** City of La Feria  
**Contact:** Mr. Jaime Sandoval, City Manager  
**Address:** 115 E. Commercial Ave., La Feria, TX 78559  
**Phone:** (956)797-2261  
**Contract Value:** \$3,481,911.71

**Project Summary:** *Paving and Drainage Improvements for South Rabb Road, La Feria*

The City of La Feria selected SWG Engineering to file an application with Federal Emergency Management Administration (FEMA) for Drainage Improvements to address deficiencies encountered during Hurricane Dolly. SWG designed and prepared the construction documents for the drainage and paving improvements. The project consisted of:

- 2,466 lf of drainage improvements and 4,800 L.F. of street improvements. Road was widened from 20' ft. to a 30' back to back curb and gutter section.
- Installation of 7,595 L.F. of storm drainage pipe ranging in size from 18" to 60" and storm drainage inlets.
- Adjustment of water and sanitary sewer utilities.
- 2,300 L.F. of open cut drainage ditch

Prepared plat exhibits along with metes and bounds description for right-of-way

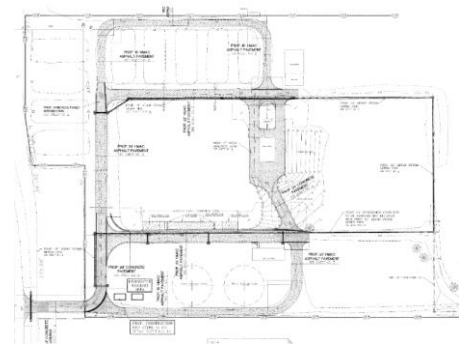


**Client:** Sharyland Water Supply Corporation  
**Contact:** Ms. Sherilyn Dahlberg, General Manager  
**Address:** P.O. Box 1868, Mission, TX 78573  
**Phone:** (956)585-6081  
**Date:** May 2018- February 2019  
**Contract Value:** \$650,000.00

### **Project Summary:**

Paving and Drainage Improvements at WTP No. 2

SWG was selected by SWSC to design and conduct construction management on paving and drainage improvements at WTP#2, which is composed of approximately 4,200 SY reinforced concrete roads and 2,000 LF of storm sewer lines. This mitigated flooding in the critical WTP, as well as improved operations.



**Client:** City of Mercedes  
**Contact:** Mr. Sergio Zavala, City Manager  
**Address:** 400 S. Ohio, Mercedes, TX 78570  
**Phone:** (956) 565-3114  
**Date:** 2020- Ongoing  
**Contract Value:** \$500,000.00



**Property Summary:** Mercedes Regional Detention Facility (RDF)

H&H analysis, design, and CEI of regional stormwater detention facility. Facilitated land acquisition for City. Storage capacity of approx. 22 acre feet. Critical infrastructure for local flood mitigation.

**Client:** City of Mercedes  
**Contact:** Mr. Sergio Zavala, City Manager  
**Address:** 400 S. Ohio, Mercedes, TX 78570  
**Phone:** (956) 565-3114  
**Date:** 2020- Ongoing  
**Contract Value:** \$250,000



**Property Summary:** Mercedes Collier Drainage Improvements

H&H analysis, design, and CEI of drainage improvements of area. Maximized existing resources by turning green areas of Local Park into detention areas during critical storm events, while maintaining use and function as recreational park facilities. Storage capacity of approx. 5 acre feet.

**Client:** City of La Feria  
**Contact:** Mr. Jaime Sandoval, City Manager  
**Address:** 115 E. Commercial Ave., La Feria, TX 78559  
**Phone:** (956)797-2261  
**Date:** August 2015- January 2017  
**Contract Value:** \$2,566,869.20



**Project Summary:** *Drainage and Paving Improvements for Beddeos Road and Kelley Drive, La Feria*  
The City of La Feria selected SWG Engineering to design and prepare plans and contract documents for the Drainage and Paving Improvements for Beddeos Road and Kelley Drive. Project requirements and services rendered:

- Installation of 8,565 LF of storm drainage pipe ranging in size from 18" to 60" R.C.P. with rubber gasket joints and storm drainage inlets.
- Preparation of railroad crossing permit to open-cut the railway to install a 60" reinforced concrete pipe.
- Road was widened from 16 ft. caliche driveway with roadside drainage ditch to 30 ft. back to back road with curb and gutter for a total of 4,480 LF of paving.
- Prepared plat exhibits along with metes and bound description for right-of-way acquisition.



**Client:** City of Weslaco

**Contact:** Mr. Mike R. Perez, City Manager

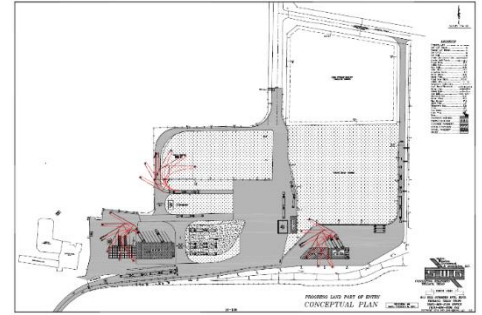
**Address:** 255 S. Kansas Ave., Weslaco, TX 78596

**Phone:** (956) 968-3181

**Date:** 2017- Ongoing

**Contract Value:** \$4,500,000.00

**Project Summary:** Design of drainage improvements, including property acquisition and easements for storm sewer lines, TxDOT UIR crossing permits, among others. Project composed of storm sewer system, including 24" sewer line, box culverts for road crossing, ditch widening, as well as a 30 acre feet detention pond for flood mitigation.



**Client:** City of Lyford

**Contact:** Ms. Lydia Moreno, City Secretary

**Address:** 13550 Main St., Lyford, TX 78569

**Phone:** (956) 347-3512

**Date:** 2019- Ongoing

**Contract Value:** \$750,000.00

**Property Summary:** Lyford HMGP

H&H analysis and design of a stormwater pump station, as well as two adjacent stormwater detention ponds. Pump flowrate of 5 MGD.

Detention capacity of ponds is 10 acre-feet. Procured funding of 750K through FEMA's HMGP program project. Currently pursuing TWDB's FIF funding, to secure grant for match component. If successful, project will have been funded by >95% grant.



**Client:** City of La Feria

**Contact:** Mr. Jaime Sandoval, City Manager

**Address:** 115 E. Commercial Ave., La Feria, TX 78559

**Phone:** (956)797-2261

**Contract Value:** \$2,566,869.20

**Project Summary:** *Drainage and Paving Improvements for Beddeos Road and Kelley Drive, La Feria*



The City of La Feria selected SWG Engineering to design and prepare plans and contract documents for the Drainage and Paving Improvements for Beddeos Road and Kelley Drive. Project requirements and services rendered:

- Installation of 8,565 LF of storm drainage pipe ranging in size from 18" to 60" R.C.P. with rubber gasket joints and storm drainage inlets.
- Preparation of railroad crossing permit to open-cut the railway to install a 60" reinforced concrete pipe.
- Road was widened from 16 ft. caliche driveway with roadside drainage ditch to 30 ft. back to back road with curb and gutter for a total of 4,480 LF of paving.
- Prepared plat exhibits along with metes and bound description for right-of-way acquisition.
- Adjustment of water, irrigation and sanitary sewer utilities.

## **FUNDING PROCUREMENT**

### **PROJECT MANAGEMENT**

Being a full-service firm, and always being mindful of the project owners' bottom line, SWG Engineering provides Funding Procurement services for any project we are involved in. Our management team has prepared numerous grant application over 30 years in municipal government. Many of these applications funded and accounted for millions of dollars of infrastructure improvements including water and sewer systems, drainage systems, streets, parks, downtown revitalization, housing, economic development, emergency management, first responder facilities, and other capital improvements.

We've worked with large cities and small towns, and we've found that many times there is funding available that will save the owner from expending funds from their own budget, or that perhaps the owner is in dire need of a project they cannot afford at this time. In both of these cases, the owner would benefit from procuring project funding.

Our team of Administrators and Engineers work side by side to assemble a competitive, accurate application that exceeds the target Agency's requirements. We have worked with various types of funding, ranging from sub-market rate low interest loans, 100% grants, or a combination of both grant and loan, procured through various agencies and methods.

### **ADMINISTRATION EXPERIENCE**

SWG has provided Funding Procurement Services to secure project funding from many local, state, and federal agencies, such as: TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, TPWD, BOR, among others. SWG Engineering has over 30 years of municipal funding experience including financial management, identifying grant resources, grant writing, and grant management.

### **ENVIRONMENTAL CLEARANCE PROCEDURES**

In addition to the funding procurement itself, SWG also has experience executing environmental clearance procedures from inception through completion, to include initiating the environmental process by coordinating contact with applicable state agencies, such as Texas Historical Commission, EPA, Tribal Organizations, and U.S. Fish and Wildlife Service, to completion of the Environmental Review Record. Our firm is knowledgeable with the provisions of a full Environmental Assessment (EA), Categorical Exclusions (CE), Preliminary Engineering Reports (PER), Environmental Reports (ER), various Water Reports, Benefit Cost Analyses, and is capable of executing all to completion. For more than 30 years we have contracted with the Texas General Land Office as an Environmental Service Provider to complete the environmental assessments for communities that were affected by Hurricanes Dolly and Ike, increasing our knowledge of the regulations required for environmental approval.

A few of our most recent successfully secured funds are for the following project:

**Request for Qualifications- Engineering/Architectural/Surveying  
Services- CDBG-MIT Program**

**RFQ 2019-20-24**



**Bureau of Reclamations (BOR)**



- Delta Lake Irrigation District Canal Lining \$1,000,000.00  
<https://www.usbr.gov/watersmart/weeg/docs/2018/FY2018-WEEG-Project-Descriptions.pdf>

**Federal Emergency Management Agency (FEMA)**

- City of Lyford HMGP Drainage Improvements \$750,000.00 (TDEM)
- City of La Feria HMGP Drainage Improvements \$500,000.00
- City of La Feria HMGP Drainage Improvements \$ 2,600,000.00



**FEMA**

**General Land Office (GLO)**

- City of La Feria Water and Wastewater Improvements \$ 16,000,000.00



**Housing and Urban Development (HUD)**

- City of La Feria(CDBG) \$13,000,000.00



**North American Development Bank (NADBANK/BECC)**

- Hidalgo & Cameron Counties Irrigation District Water Conservation Project \$1,250,000.00  
<https://www.nadb.org/our-projects/infrastructure-projects/water-conservation-improvement-project-for-hidalgo-and-cameron-counties-irrigation-district-no-9-mercedestexas>
- City of La Feria Water and Wastewater Improvements \$13,820,000.00  
<https://www.nadb.org/our-projects/infrastructure-projects/water-and-wastewater-improvements-project-in-la-feriatexas>



**Texas Parks & Wildlife Department (TPWD)**

- City of Port Isabel Washington Park \$150,000.00
- City of La Feria Nature Center
- City of Los Indios Park \$150,000.00



**Request for Qualifications- Engineering/Architectural/Surveying  
Services- CDBG-MIT Program**

**RFQ 2019-20-24**



**Texas Water Development Board (TWDB)**

- City of La Feria Water & Wastewater Improvements \$15,000,000.00
- City of Ingram Sanitary Sewer Line Improvements \$1,000,000.00
- Delta Lake Irrigation District Canal Lining \$60,000.00
- City of Mercedes Capisallo Subdivision Sanitary Sewer and Lift Station \$2,500,000.00

**United States Department of Agriculture (USDA)**

- Sharyland Water Supply Corporation Water Treatment Plant No. 3 \$25,000,000.00
- City of Ingram Wastewater Improvements \$ 10,600,000.00







## **AWARDS AND ACCOLADES**

### **American Society of Civil Engineers- Rio Grande Valley 2019 Civil Engineer of the Year**

Randall C. Winston PE., President of SWG Engineering LLC., was recognized and awarded the 2019 Civil Engineer of the Year award on behalf of his 34 years of leadership in the public works industry. Mr. Winston has devoted his life to helping the Rio Grande Valley and beyond improve their quality of life and sustainability within their communities by providing innovative solutions with every design.

Among Mr. Winston's most recent accomplishments is the recent award by the City of Weslaco as Design Engineers for a \$4.7 Million dollar drainage project. This issue was identified during the recently completed Drainage Master Plan and made part of the 2019 bond projects, both prompted by the 2018- 100 year storm event and the 2019- 500 year storm event.

### **American Society of Civil Engineers- Rio Grande Valley 2019 Innovative Project of the Year:**

Canal to Pipeline Conversion of Canal A-20

Primary Leads: Mr. Randall C. Winston PE. & Mr. Isaac Huacuja, EIT



The Delta Lake Irrigation District canal to pipeline conversion project is an ongoing project, which has been in development for almost two years, and has an estimated construction timeline of two additional years. A grant from the Bureau of Reclamation (BOR) of \$1 Million dollars was procured by SWG to aid in the cost of construction of this important project.

The project will convert approximately 28,000 linear feet (~5.3 miles) of deteriorated canal into a modern pipeline system. This pipeline will contain flowmeters at strategic points to monitor water flow, and has sluice gates and line gate calves at specific locations to isolate pipeline sections as necessary. Additionally, the main diesel pump station will be deleted and has been designed to be replaced as a state-of-the-art pump station, with VFD-controlled twin electric pumps, which will enable the deletion of 5 total diesel pump stations in the system. The flow meters will also connect to this master pump station, and the entire systems will be capable of being monitored and controlled remotely.

The deletion of the diesel pump station will significantly lower operation and maintenance costs to the District, while eliminating any contamination from them. Additionally, and the primary reason why the BOR funded the project, the canal conversion to pipeline project is anticipated to save approximately 2,050 acre-feet of water, being 668 million gallons, per year.



### **The Associated General Contractors of America- Rio Grande Valley Chapter 2019 Engineering Firm of the Year**

SWG Engineering LLC is a local civil engineering firm native to Weslaco, Texas, established in 1945. It was recently recognized by the AGC as Engineering Firm of the Year, an honor for the Firm and its staff. Since its inception, SWG has strived to serve local communities in many different capacities, ranging from funding procurement assistance, to design and development of projects, to construction management. Now with locations in both Weslaco, Texas and McAllen, Texas, SWG continues to provide and apply innovative and cost-effective strategies to every project.

## RESUMES

**Randall C. Winston, P.E., MECE**

**President**

Weslaco, TX 78596

(956) 968-2194

randy@siglerwinstongreenwood.com

### EDUCATION

Texas A&M University

**Master of Engineering, Civil Engineering, Environmental Eng. Dept.**

1988

Texas A&M University

**Bachelor of Science in Civil Engineering**

1985

### REGISTRATION

Professional Engineer State of Texas No.: 70417

### WORK EXPERIENCE

Environmental Projects, Water Treatment, Wastewater Treatment, Solid Waste Management, Industrial Wastewater and General Civil Engineering

SWG Engineering, Weslaco, Texas - January, 1989 - Present

Environmental Engineering Lab Instructor and Lecture Substitute

Texas A&M University, College Station, Texas - June, 1987 - December, 1988

General Civil Engineering and Consulting

Sigler, Winston, Greenwood & Assoc., Inc., Weslaco, Texas December, 1985 - June, 1987

### PROFESSIONAL AFFILIATIONS

- Tau Beta Pi Engineer Honor Society
- American Society of Civil Engineers (ASCE)
- National Society of Professional Engineers (NSPE)
- Texas Society of Professional Engineers (TSPE)

### OTHER AFFILIATIONS

- Member of Rotary Club
- Past-President of Weslaco Rotary Club (1996-1997)
- Weslaco Chamber of Commerce
- Redcoat Ambassador

### SUMMARY OF WORK EXPERIENCE

- Delta Lake Irrigation District Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Project Management
- Delta Lake Irrigation District Canal A: Procurement of \$1M US Bureau of Reclamations grant
- Progreso Bridge Co. Port of Entry: Paving and Detention Pond Design

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- Sharyland Water Supply Corporation Design and Construction of Water Treatment Plant NO. 3
- Sharyland Water Supply 1.0 MG Elevated Water Tower
- Sharyland Water Supply WTP #1: USDA \$6 Million Funding Coordination
- City of Donna 1.0 MG Elevated Water Tower
- City of Ingram Wastewater Improvements - Phase I
- City of Ingram Wastewater Improvements - Phase II
- City of Ingram Lift Station No. 1 and No. 2
- Solid waste disposal sites and transfer stations.
- City of Weslaco EDAP Facility Plan
- Weslaco T- Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Landfill Closure for the City of McAllen.
- Landfill Surveying and Engineering for BFI Landfill, Donna, Texas.
- Water distribution study for the Sharyland Water Supply Corporation.
- Odor control study for the City of Weslaco Wastewater Treatment Plant and Collection System.
- Wastewater pretreatment plant for Southern Frozen Foods packing plant in Alamo (a 0.5 million gallon per day flow, 1,210 mg/l BOD<sub>5</sub> average).
- Study and pilot program for the City of La Feria using manmade wetlands as secondary treatment for lagoon effluent.
- City of Weslaco Economically Distressed Areas Program (EDAP) Facility Plan.
- City of McAllen Wastewater Treatment Plant No. 3, Four (4) Million Gallon Per Day Addition.
- Environmental Assessment for Hidalgo County Irrigation District No. 6 for a loan application to the United States Bureau of Reclamation. Complete archeological and environmental coordination with Local, State and Federal Agencies with approval for this project was done in this report.
- Multiple site work for HEB Stores located across the Valley: Ware Road HEB, McAllen; Weslaco HEB; Mercedes HEB; and subdivision work on Alamo HEB.
- Subdivision and site work for Weslaco Luby's Cafeteria.
- Weslaco Independent School District/ South Palm Gardens -- Septic tank design and drain field.
- City of Weslaco - City Engineer from 1990 to 2006, 2018 - Current
- City of McAllen Water Treatment Plant 2 MGD addition to the North Treatment Plant to bring total permitted capacity to 8 MGD.
- City of Weslaco Odor Control for North Wastewater Treatment Plant
- City of Weslaco 1 MGD Addition Extended Aeration Wastewater Treatment Plant
- City of Weslaco Study and Master Plan for Water and Wastewater Facilities
- City of Weslaco La Colonia Las Palmas Sewer Improvements
- City of McAllen Rehabilitation of Sludge Beds at WWTP No. 2
- City of McAllen PUB Sludge Handling Facility Pilot Study and Recommendations
- City of McAllen Highland Lift Station
- City of Weslaco Re-Design of Pumps and Motors and Controls for LS No. 27



**Joseph B. Winston, Jr., P.E. R.P.L.S.,**

**Vice President**

Weslaco, TX 78596

(956) 968-2194

joe@siglerwinstongreenwood.com

**EDUCATION**

**Texas Tech University**

Bachelor of Science in Civil Engineering

1966

**REGISTRATION**

Professional Engineer State of Texas No.: 31109

Registered Public Surveyor of Texas No.: 3780

**WORK EXPERIENCE**

Principal-Consulting Engineering Firm of SWG Engineering, LLC. Weslaco, Texas

1969 – Present

Junior Engineer-Winston & Greenwood, Consulting Engineers, Mercedes, Texas 1966-1969

**PROFESSIONAL AFFILIATIONS**

- Member of Texas Society of Professional Engineers
- Member of American Society of Professional Engineers

**SUMMARY OF WORK EXPERIENCE**

- Served as City Engineer on a retainer basis for the cities of Alamo, Texas, and City of San Juan, Texas
- Currently serving as City Engineer on a retainer basis for the City of Mercedes, Texas, and the City of La Feria, Texas
- Prepared EDA Application for Water Distribution and Wastewater Collection System Improvements for the City of Weslaco
- Prepared EDA Application for Water Treatment and Water Distribution Improvements for the City of Alamo
- Engineer in charge of 750,000 Gallon Elevated Composite Water Tank for City of Mercedes
- Engineer in charge of 500,000 Gallon Composite Elevated Tank
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, Water Distribution Additions, Wastewater Treatment and Collection Improvements for the City of Alamo
- Assisted with collection and analysis of water samples for Area Wide Plan for Sewerage Treatment Facilities for the Rio Grande Valley Pollution Control Authority/Lower Rio Grande Valley Development Council
- Assisted with the Non-Point Source Report for the Lower Rio Grande Valley Development Council 208 Water Quality Program
- Directed gathering and analysis of data for the Flood Insurance Survey of several cities in Hidalgo County
- Prepared Master Plan and Studies for DHUD Water Improvements, Wastewater Improvements, Paving and Drainage Improvements for the City of San Juan
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, water Distribution Improvements, Development of Raw Water Reservoir, Wastewater Collection Improvements, Wastewater Treatment Plant Expansion, Storm Water Improvements, and Paving Improvements for the City of San Juan
- Prepared Solid Waste Permits for the Cities of Mercedes, Alamo, San Juan, and McAllen
- Assisted the City of Harlingen Water Works System with full-time residence inspection services for the New 15 MGD M.F. Runnion Water Treatment Plant and Reservoir and with Water Distribution Improvements
- Chairman for three years of the Lower Rio Grande Valley Development Council's Pre-Application Review Panel
- Engineer in Charge of the 2.0 MGD Loma Alta Water Treatment Plant and Above Ground storage Tank for the Brownsville Navigation District



**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- Engineer in Charge of Report, Plans and Specifications for the Rehabilitation of Irrigation and Drainage Facilities of Hidalgo County Water Improvement District No. 5, Progreso -- a project with more than \$ 6,000,000 in construction costs
- Engineer in Charge of the Improvements, Additions, or New Construction of Several Mobile Home Parks -- Llano Grande, Alamo Palms, Winter Ranch, etc.
- Improvements to Water Treatment Plant No. 1, including a New Clearwell, City of McAllen.
- Engineer in Charge of 54" Raw Water Line, two - 7.5 MGD Expansions, Three - 2 Million Gallons Above Ground Storage Tanks with Transfer Pumping, Four Additional High Service Pumps, including Building, a \$ 4,500,000 -- 8.0 MGD Addition, SCADA Instrumentation, and Exterior Improvements for the Southwest Water Treatment Plant (formerly Water Treatment Plant No. 2), City of McAllen.
- Rehabilitation of Water Treatment Plant for the City of Roma.
- Assisted with Chlorination-Dechlorination, and Instrumentation for Wastewater Treatment Plants No. 2 and 3, City of McAllen.
- Assisted with Municipal Park Improvements for the cities of Hidalgo, Mercedes, and La Feria, including Swimming Pool Improvements for the City of Hidalgo and City of Mercedes.
- Engineer in Charge of 24-inch Distribution Main Improvements for the City of McAllen.
- Engineer in Charge of the Cleaning and Repairing of Elevated and Ground Storage Tanks for the cities of Laredo, San Juan Alamo, Mercedes, and La Feria.
- Assisted architectural firm with the development of a wastewater disposal system for the Zenith Electronics Maquiladora Plant in Mexico
- Engineer in Charge of report, and plans and specifications for two separate projects for the Relocation of Utilities within IH 35 for the Laredo Waterworks System
- Engineer in Charge of Repairs to Raw Water Intake Screens and Pumps for the Laredo Waterworks System
- Engineer in Charge of the Renovation of the 18.0 MGD Water Treatment Plant No. 1 including New Equipment for Mixing, Settling, Electrical, Chemical, Instrumentation, Piping, Valves, etc., for the Laredo Waterworks System. Also included was coordination with architect of major architectural improvements
- Engineer in Charge of plans and specifications for the Renovation for the Chemical Feed Equipment for Water Treatment Plant No. 2, Laredo Waterworks System
- Engineer in Charge of Water Rate Study for the City of San Juan and the City of Mercedes. Assisted with water rate studies for the Laredo Waterworks System and the City of McAllen
- Engineer in Charge of the Renovation of the 1.3 MGD Wastewater Treatment Plant including Additional Sand Drying Beds, and the Addition of a 1.0 MGD Extended Aeration Wastewater Treatment Facility for the City of Mercedes
- Engineer in Charge of the Renovation of the Water Treatment Plant for the City of Mercedes, and the Addition of a Residual Management Basin, and a 1.2 MG Clearwell
- Engineer in Charge of Developing a Supplemental Water Well, Storage and Pumping Facilities for Southern Frozen Foods in the City of Alamo
- Engineer in Charge of Renovation of Water Treatment Plant, including Adding Clarification, 500,000 Gallon Clearwell, and Chemical Feed System for the City of La Feria
- Engineer in Charge of Additional Wastewater Treatment Capacity in the form of oxidation lagoons for the City of La Feria
- Engineer in Charge of Parking Facilities, Bus Service Roads, Tennis Courts, and Other Site Improvements for the Mercedes Independent School District
- Engineer in Charge of Rehabilitation of the Water Treatment Plant of Phoenix Frozen Foods in Monte Alto
- Engineer in Charge of Field Work and Site Development of Two Industrial Parks for the City of Mercedes
- Prepared Applications for the Innovative and Alternative Technology Funding for Land Application of Wastewater and Sludge for the city of McAllen
- Engineer in Charge of Rehabilitation of Major Lift Stations for the City of Mercedes
- Preparation of Solid Waste Site Closure Plans for the City of Mercedes and the City of McAllen
- Engineer in Charge of Field Work and Site Development of Two Industrial Park Sites for the City of La Feria

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- Engineer in Charge of Plans and Specifications for Water Distribution Improvements, Wastewater Collection Improvements, Paving and Drainage Improvements for the City of Mercedes from 1978 to currently
- Engineer in Charge of Plans and Specifications for Water Distribution, Wastewater Collection and Paving and Drainage Improvements for the City of La Feria from 1976 to currently
- Prepared Study and Analysis of Leaks in a 30"/36" Raw Water Line serving CPL's J.L. Bates Power Station.
- Engineer in Charge of Solid Waste Transfer Stations for the City of La Feria and the City of Mercedes
- Engineer in Charge of O&M Manual for the City of Mercedes Wastewater Treatment Improvements
- Prepared Feasibility Study for Additional Water Treatment Plant Capacity for the City of McAllen
- Provided Engineering Analysis and Costs for City of La Feria Master Plan
- Prepared a Joint Drainage Study for the City of La Feria and La Feria Irrigation Dist. No. 3
- Engineer in Charge for Economically Distressed Areas (EDAP) Application and Facility Plan for the City of Mercedes
- Engineer in Charge of Disinfection Studies for the Cities of La Feria, Mercedes, and McAllen
- Engineer in Charge of Site Improvements for HEB Grocery in the Cities of Weslaco and Pharr
- Engineer in Charge of Bridge over Anacuitas Seco Drain and Box Culvert and New Floodway Levee Structure for Hidalgo County Drainage District's Drainage Improvements in the City of Mercedes
- Assisted Mejia and Rose, Inc. with Water Treatment Improvements to the City of Los Fresnos Water Treatment Plant Engineer in Charge of Plans and Specifications for a New Municipal Water Well for the City of Mercedes

**Jose G. Reyes, P.E.**

**CONSULTING ENGINEER**

Weslaco, TX 78596

(956) 968-2194

jreyes@siglerwinstongreenwood.com

**EDUCATION**

University of Texas at San Antonio

**Bachelor of Science in Mechanical Engineering**

1995

**REGISTRATION**

Professional Engineer State of Texas No.: 93827

**WORK EXPERIENCE**

SWG Engineering, LLC

Weslaco, Texas

**Senior Project Engineer**

09/2017 – Present

Eberle Materials, Inc

**Project Manager**

2016-2017

Clore Construction Co.

**Senior Project Manager**

2015-2015

EISG, Inc.

**Contractor Quality Control Systems Manager**

2014-2015

M Garcia Engineering, LLC

**Senior Project Manager**

2013-2014

Guzman & Munoz Engineering & Surveying, Inc.

**Senior Project Manager**

2010-2012

Ballenger Construction

**Contractor Quality Control Systems Manager**

2010

Dos Logistics, Inc.

**Project Manager**

2008- 2009

TEDSI Infrastructure Group

**Project Manager**

2002-2008

S & B Infrastructure, LTD.

**Assistant Engineer**

1999-2002

J. Saenz & Assoc.

**Design Engineer**

1999

**PROFESSIONAL AFFILIATIONS**

- Member of Texas Society of Professional Engineers
- Member of National Society of Professional Engineers
- Member of American Society of Professional Engineers
- Member of American Society of Civil Engineers

**SUMMARY OF WORK EXPERIENCE**

- City of Donna: Proposed Offsite Waterline Improvements, Wastewater and Water Improvements Phase 2 for The Shops at 493 Subdivision: Engineer in charge of Design and Construction.
- Proposed Paving Improvements and Drainage Improvements for The Shops at 493 Subdivision Phase 2: Engineer in charge of Design and Construction.
- Proposed 12" Offsite, Interconnecting Waterlines and Existing Elevated Tank Improvements: Engineer in charge of Design and Construction.

**Request for Qualifications- Engineering/Architectural/Surveying Services- CDBG-MIT Program  
RFQ 2019-20-24**



- SWSC's WTP #2: Paving and Drainage Improvements: Engineer in charge of Design and Construction.
- SWSC's 10,100 LF of 12" WL: Transmission: Engineer in charge of Design and Construction.
- City of Port Isabel Medians: Civil Improvements: Engineer in charge of Design and Construction.
- City of Port Isabel Washington Park: Civil Improvements: Engineer in charge of Design and Construction.
- City of Harlingen I.S.D: Paving and Drainage: Engineer in charge of Design and Construction.
- City of Port Isabel Garcia Street: Engineer in charge of Design and Construction.
- NAWSC's 5100 LF of 6" WL: Engineer in charge of Design and Construction.
- City of Los Indios Community Park: Civil Improvements: Engineer in charge of Design.
- City of Mercedes Community Center: Civil and Paving Design: Engineer in charge of Design and Construction.
- City of Donna Waterline Interconnect Improvements: Civil Design: Engineer in charge of Design.
- City of Weslaco Pleasantview and 11th Street: Civil and Drainage Design: Engineer in charge of Design of Crossings and Ditch Improvements.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco IBWC Levee: Civil Design: Engineer in charge of Design and Construction.
- Long Island Village: Civil Design: Engineer in charge of Design of Water, Wastewater and Paving Improvements.
- Hidalgo County: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of McAllen: Designed of Subdivision, Engineer on charge of Plat and Construction Plans.
- UTRGV –IEAS Building and UTRGV – Science Building
- USIBWC, LRGFCP, Progreso Levee: (Project length 6 miles)
- USIBWC, LRGFCP, North Floodway and Arroyo Colorado Levees: (Project length 26.8 miles)
- Mission Levee, Common Levee/Anzalduas Dike Improvements, USIBWC/DHS
- Colonias Access Program (CAP)
- Anzalduas International Bridge
- Responsible for the management and administration of the Project.
- Morrison Rd., Responsible for management and administration. For the design of the schematic layout and then continued with the PS&E. Designed the horizontal alignment using existing survey data and TxDOT Roadway Design Manual criteria
- Mile 6 West, Responsible for roadway pay quantities, and design of pavement markings as per TxDOT standards and the Texas Manual on Uniform Traffic Control Devices (TMUTCD).
- Mile 2 WEST, Responsible for the pavement quantity calculations and roadway design for Schematic Layout. Developed transition lengths sections as per TxDOT Standards. Prepared Plans and Profiles, Sign Summaries, SW3P's, Pavements Markings and TCP's. Sized culverts and developed culverts layout as per TxDOT Standards
- IH 35 RAMP SCHEMATIC, Responsible for evaluating different ramp alternatives alignments for IH 35. Developed typical sections for the proposed on and off ramps as per TxDOT standards.
- JBS PARKWAY, Odessa, TX, Developed all the required documentation for TxDOT Public Meetings. Developed Pre-Construction Estimates and Project Layouts for the proposed interchanges configurations alternatives.
- US 83/SH 359 – Laredo, TX, Developed plans and profiles, design roadway typical sections, and calculate pavement quantities. Developed project cost summaries using HIGH ESTIMATOR PROGRAM.



**ISAAC HUACUJA, E.I.T.**

Weslaco, TX 78596

(956) 968-2194

**CONSULTING ENGINEER**

isaac@siglerwinstongreenwood.com

**EDUCATION**

The University of Texas Rio Grande Valley

**Master of Science in Civil Engineering**

Spring 2019-Present

The University of Texas Rio Grande Valley

**Bachelor of Science in Civil Engineering**

Texas A&M University

**Agricultural and Biological Engineering**

TBPE P.E. Exam PASSED 04/2018

**WORK EXPERIENCE**

SWG Engineering, LLC

Weslaco, Texas

**Project Engineer**

09/2017 – Present

*Company specializes in assisting public & private entities on various engineering issues.*

- Consulting Civil Engineering: Design and development of various concurrent projects concerning Water Resources, Water Treatment, Wastewater Treatment, Groundwater, Water Distribution, Wastewater Collection, Stormwater Drainage, Flood Mitigation, Agricultural Irrigation Systems, Environmental Engineering, Water Systems, Hydraulic Modeling, Pump Systems, among others.
- Procurement of Federal, State and Local Funding Agencies such as FEMA, TDEM, USBOR, USDA, TWDB, TPWD, among others.
- Assist local government and entities, ranging from Municipalities to Districts, in the successful completion of projects, from funding procurement, preliminary study and analysis, engineering design and plans, to construction management.

DHM

West Jordan, Utah

**Construction Project Manager (Remote)**

07/2016 – 09/2017

*Company specializes in reconstruction and rehabilitation of residential properties.*

- Approved projects, budgets, and bids, vetted contractors, handled draw requests, ensured contractors worked within schedule and scope, created project schedules, commissioned site inspections, maintained accountability of budget funds, and ensured the overall successful completion of several concurrent projects.
- Commonly handled 1-12 projects concurrently, with budgets between \$25K-75K. Completion rate per construction was typically between 2 to 4 months. Revised and approved dozens of budgets with a combined total of over \$2M. Maintained communications between the company, client, and contractors throughout duration of projects.

Covering America LLC

Brownsville, Texas

**Concrete Construction Manager**

01/2015 – 05/2017

*Company specializes in concrete floors and foundations, specifically in laser screeding and industrial floor finishes.*

- Participate in several aspects of daily operations, such as site visits, cost estimations, proposals, bids, and management. Jobs during my employment consisted of the construction and laser leveling of +100 of concrete floors and foundations for several national retail chain clients.
- Jobsites ranged from 7,000 ft<sup>2</sup> commercial retail properties to 20,000 ft<sup>2</sup> warehouses.

### **SKILLS & ACCOMPLISHMENTS**

- Proficient in SolidWorks, InventorPro, LabView, M. Office, Surveying, Spanish, SCUBA
- Project Engineer for ASCE-RGV's "Innovative Project of the Year 2019"
- American Society of Civil Engineers-RGV: Board Director and Treasurer

### **RELEVANT PROJECTS**

- SWSC's 1 MG Elevated Storage Tank: Project Management
- SWSC's 10,100 LF of 12" WL: Transmission Waterline Design and Project Management
- Weslaco T-Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Progreso Bridge Co. Port of Entry: Paving and Grading Design
- SWSC's WTP #2: Paving and Drainage Improvements: Project Management
- City of Port Isabel Medians: Civil Improvements Design
- City of Port Isabel Washington Park: Civil Improvements Design
- City of Harlingen C.I.S.D: Preliminary Paving and Drainage Design support
- City of Port Isabel Tarnava Street: Paving Design and Project Management
- City of Port Isabel Garcia Street: Traffic Control Design and Project Management
- NAWSC's 5,100 LF of 6" WL: Waterline Design and Project Management
- City of Los Indios Community Park: Civil Improvements Design
- DLID Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Management
- DLID Canal A: Procurement of \$1M US Bureau of Reclamations grant
- SWSC's WTP #1: USDA \$6M funding coordination
- SWSC's GSTs: Rehab and recoat project management
- City of Mercedes Community Center: Civil and Paving Design; Electrical, Landscaping, and Irrigation Project Management
- City of Laredo Love's Truck Stop: Feasibility analysis of water and wastewater services at remote location, including groundwater availability assessment, RO treatment, and wastewater onsite treatment and disposal
- City of Mercedes Water Well: Rehabilitation of abandoned water well; design and project management of 2.0 MGD system (35% of total water supply)
- City of Lyford Flood Mitigation: Procurement of \$750K HMGP funding and preliminary design of stormwater pump station and detention facility
- City of Mercedes Capiasallo Subd. SS: preliminary design and funding procurement for ~\$2M new sanitary sewer service and lift station
- City of Mercedes Collier Pump Station: preliminary design of stormwater pump station and detention areas
- City of Mercedes Hike & Bike Trail: design and funding procurement for ~6 mile trail



THE HARTFORD  
BUSINESS SERVICE CENTER  
3600 WISEMAN BLVD  
SAN ANTONIO TX 78251

September 9, 2020

City of Weslaco  
Attn: Homer Rhodes  
Purchasing Manager  
255 S Kansas Ave  
Weslaco TX 78596

#### Account Information:

|                                |                      |
|--------------------------------|----------------------|
| <b>Policy Holder Details :</b> | SWG ENGINEERING, LLC |
|--------------------------------|----------------------|



#### Contact Us

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Business Service Center

**Business Hours:** Monday - Friday  
(7AM - 7PM Central Standard Time)

**Phone:** (866) 467-8730

**Fax:** (888) 443-6112

**Email:** [agency.services@thehartford.com](mailto:agency.services@thehartford.com)

**Website:** <https://business.thehartford.com>

Enclosed please find a Certificate Of Insurance for the above referenced Policyholder. Please contact us if you have any questions or concerns.

Sincerely,

Your Hartford Service Team



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/09/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                 |                                                              |                                         |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------|
| <b>PRODUCER</b><br>DAVID ISON INSURANCE INC<br>65813865<br>1383 EAST BITTERS ROAD STE 1<br>SAN ANTONIO TX 78216 | <b>CONTACT NAME:</b>                                         |                                         |
|                                                                                                                 | <b>PHONE</b> (210) 490-1494<br>(A/C, No, Ext):               | <b>FAX</b> (210) 490-1569<br>(A/C, No): |
|                                                                                                                 | <b>E-MAIL ADDRESS:</b>                                       |                                         |
|                                                                                                                 | <b>INSURER(S) AFFORDING COVERAGE</b>                         |                                         |
|                                                                                                                 | <b>NAIC#</b>                                                 |                                         |
| <b>INSURED</b><br>SWG ENGINEERING, LLC<br>611 BILL SUMMERS INTERNATIONAL BLVD<br>WESLACO TX 78596-9168          | <b>INSURER A :</b> Hartford Insurance Company of the Midwest |                                         |
|                                                                                                                 | <b>INSURER B :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER C :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER D :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER E :</b>                                           |                                         |
|                                                                                                                 | <b>INSURER F :</b>                                           |                                         |

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                              | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/Y YY) | LIMITS                                                                                                                                                               |                                           |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|          | <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          |               |                         |                         | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG     |                                           |
|          | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> ALL OWNED AUTOS<br><input type="checkbox"/> HIRED AUTOS<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> NON-OWNED AUTOS                                   |           |          |               |                         |                         | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)                                  |                                           |
|          | <input type="checkbox"/> UMBRELLA LIAB<br><input type="checkbox"/> EXCESS LIAB<br><input type="checkbox"/> OCCUR<br><input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> RETENTION \$                                                                              |           |          |               |                         |                         | EACH OCCURRENCE<br>AGGREGATE                                                                                                                                         |                                           |
| A        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                  | Y/N       | N/A      | 65 WBC AC7143 | 09/02/2020              | 09/02/2021              | <input checked="" type="checkbox"/> PER STATUTE<br><input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE -EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | \$1,000,000<br>\$1,000,000<br>\$1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Those usual to the Insured's Operations.

## CERTIFICATE HOLDER

City of Weslaco  
 Attn: Homer Rhodes  
 Purchasing Manager  
 255 S Kansas Ave  
 Weslaco TX 78596

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Suean L. Castaneda*

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**SAM Search Results**  
**List of records matching your search for :**  
**Search Term : SWG Engineering, L.L.C.\***  
**Record Status: Active**

|                                 |                           |                             |
|---------------------------------|---------------------------|-----------------------------|
| <b>ENTITY</b>                   | SWG Engineering, L.L.C.   | Status: Active              |
| DUNS: 022648628                 | +4:                       | CAGE Code: 7W3E2 DoDAAC:    |
| Expiration Date: 05/05/2021     | Has Active Exclusion?: No | Debt Subject to Offset?: No |
| Address: 611 International Blvd |                           |                             |
| City: Weslaco                   | State/Province: TEXAS     |                             |
| ZIP Code: 78596-9108            | Country: UNITED STATES    |                             |

# CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

## OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

SWG Engineering, LLC

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

N/A

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐

Yes

☒

No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐

Yes

☒

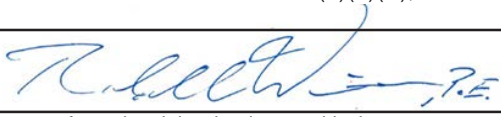
No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

  
Signature of vendor doing business with the governmental entity

September 9, 2020

Date

## **CONFLICT OF INTEREST QUESTIONNAIRE**

### **For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

- (2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;  
or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

- (a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

- (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

- (1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

- (2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, SWG Engineering, LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

Randall C. Winston, P.E., President  
\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

September 9, 2020  
\_\_\_\_\_  
Date



## Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type of Federal Action:</b><br><u>N/A</u> a. contract<br>b. grant<br>c. cooperative agreement<br>d. loan<br>e. loan guarantee<br>f. loan insurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Status of Federal Action:</b><br><u>N/A</u> a. bid/offer/application<br>b. initial award<br>c. post-award                                                                                                                                                             | <b>Report Type:</b><br><u>N/A</u> a. initial filing<br>b. material change                                                                                                         |
| <b>Name and Address of Reporting Entity:</b><br><u>      </u> Prime <u>      </u> Subawardee<br>Tier <u>      </u> , if Known:<br><br><div style="text-align: center;">N/A</div><br><b>Congressional District, if known:</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                          | <b>If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b><br><br><div style="text-align: center;">N/A</div><br><b>Congressional District, if known:</b> |
| <b>Federal Department/Agency:</b><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>7. Federal Program Name/Description:</b><br><br><div style="text-align: center;">N/A</div> CFDA Number, if applicable: _____                                                                                                                                          |                                                                                                                                                                                   |
| <b>Federal Action Number, if known:</b><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>9. Award Amount, if known:</b><br><br><div style="text-align: center;">\$ N/A</div>                                                                                                                                                                                   |                                                                                                                                                                                   |
| <b>10. a. Name and Address of Lobbying Registrant</b><br><i>(if individual, last name, first name, MI):</i><br><br><div style="text-align: center;">N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i><br><i>(last name, first name, MI):</i><br><br><div style="text-align: center;">N/A</div>                                                                                  |                                                                                                                                                                                   |
| <b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b> | <b>Signature:</b> <br><b>Print Name:</b> <u>Randall C. Winston</u><br><b>Title:</b> <u>President P.E.</u><br><b>Telephone No.:</b> <u>(956)968-2194</u> <b>Date:</b> <u>9/9/2020</u> |                                                                                                                                                                                   |
| <b>Federal Use Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Authorized for Local Reproduction<br/>Standard Form - LLL (Rev. 7-97)</b>                                                                                                                                                                                             |                                                                                                                                                                                   |

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

**QUALIFICATIONS DUE  
DATE & TIME:**  
September 10, 2020 at  
3:00 PM

**RFQ# 2019-20-24**

**Engineering / Architectural / Surveying Services for Community Development Block Grant  
Mitigation Addendum No.: 1  
August 26, 2020**

Notice is hereby given to all prospective respondents of the following:

1. Due to Covid19 Pandemic and recommendations from Weslaco Emergency Operations Center – Safety Plan, The City is requesting all vendors to submit responses via electronic submissions. Below is a **DROP BOX** link in which carriers can upload their responses. The City prefers to receive uploaded documentation in PDF format and large files compressed into a (ZIP) zip file. Uploaded files must be named accordingly to the RFQ number.

Here is the DROPBOX link for:

**RFQ 2019-20-24 ENGINEERING & ARCHITECTURAL/SURVETING SERVICES**

<https://www.dropbox.com/request/gdj28oSfMYidexAOyvaw>

2. Due to Covid19 Pandemic and gathering restrictions, the scheduled pre-qualification conference has been moved to audio/video conference via zoom. The conference via zoom is scheduled as follows:

Join Zoom Meeting

Time: September 4, 2020 at 11:00 AM

<https://zoom.us/j/99983648447?pwd=bHFoemlJcjZYXNnckJyT2V6eW0xUT09>

Meeting ID: 999 8364 8447

Passcode: 139178

Dial by your location

833 548 0282 US Toll-free

877 853 5247 US Toll-free

888 788 0099 US Toll-free

833 548 0276 US Toll-free

Meeting ID: 999 8364 8447

Passcode: 139178

Homer Rhodes,  
hrhodes@weslacotx.gov

Purchasing Agent

**Acknowledged by Firm:** Kendra Meneses

**date:** 9/10/20

# City of Weslaco

*"The City on the Grow"*



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

## MEMO

**To:** Mayor and City Commissioners  
**From:** Andrew Munoz, Asst. City Manager/Aviation Director  
**CC:** Mike R. Perez, City Manager  
**Subject:** RFQ 2019-20-24 Engineering & Architectural/Surveying Services

**Request:** The City of Weslaco is seeking well-qualified engineering/architectural/surveying service provider(s) to assist the City in preparing application(s) for and in the overall implementation of proposed Community Development Block Grant Disaster Recovery-Mitigation (CDBG-MIT) Program project(s), if funded by the Texas General Land Office (GLO).

**Background:** On August 30, 2019, the Texas General Land Office announced via a Federal Register notice the allocation of \$6.875 billion appropriated under P.L. 115-123 in response to 2015, 2016, and 2017 disasters. The State of Texas was allocated \$4,297,189,000 from this appropriation and identified the General Land Office (GLO) as its administrative agency for the funds. The list of CDBG-MIT funded programs and respective budgets are in the CDBG-MIT Allocation Table below.

| Activity Allocated Amount                     |                        |
|-----------------------------------------------|------------------------|
| 2015 Floods State Mitigation Competition      | \$46,096,950           |
| 2016 Floods State Mitigation Competition      | \$147,680,760          |
| Hurricane Harvey State Mitigation Competition | \$2,144,776,720        |
| Regional Mitigation Program                   | \$500,000,000          |
| Hazard Mitigation Grant Program Supplemental  | \$170,000,000          |
| Coastal Resiliency Program                    | \$100,000,000          |
| Housing Oversubscription Supplemental         | \$400,000,000          |
| Resilient Home Program                        | \$100,000,000          |
| State Project Delivery                        | \$128,915,670          |
| Hazard Mitigation Plans                       | \$30,000,000           |
| Resilient Communities Program                 | \$100,000,000          |
| Regional and State Planning                   | \$214,859,450          |
| State Administration                          | \$214,859,450          |
| <b>Total</b>                                  | <b>\$4,297,189,000</b> |

Once the Texas General Land Office opened the grant funding for applications, staff requested authorization to solicit proposal for engineering and architectural/surveying services for numerous city-wide drainage projects.

Based on this, staff prepared a Request for Qualifications to develop a Scope of Work that encompassed all application and project related engineering/architectural/surveying services to the City of Weslaco under its CDBG-MIT project, including but not limited to the following:

- Pre-Funding Services\*: Assist with the development of grant applications, as necessary.
- Post-Funding Services: Initial Engineering and Design Support Engineering, Final Design Support Bid and Award Support Contract Management and Construction Oversight Specialized Services.

\* Pre-funding services are not eligible for CDBG-MIT reimbursement and must be paid with local or other non-CDBG-MIT funds.

Staff received 12 proposals. A committee of the Mayor, one City Commissioner, City Engineer and myself reviewed and scored the proposals.

**Recommendation:** Staff recommends approval and award to the best qualified, most advantageous firm/vendor.



*"The City on the Grow"*





## Standardized Agenda Request Form

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|
| <b>Date of Meeting:</b><br>September 29, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 | <b>Agenda Item No.</b> (to be assigned by CSO):<br>2020-3624 |
| <b>From:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                              |
| <b>Subject:</b><br>Discussion and approval on the submission of a Notice of Intent to Apply to the Texas Water Development Board under the Flood Infrastructure Fund 2020 Application Invitation for the Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park - Phase I and authorize the Mayor to execute any related documents. (Staffed by City Manager's Office.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                              |
| <b>Background:</b><br>Staff has received the notice to apply for funds for the Texas Water Development Board's Flood Infrastructure Fund (FIF) program funds. The city ranked 114 and is eligible for a grant and zero interest loan for the Kansas and Los Torritos Drainage project.<br><br>According to the rankings, the city amount requested from the TWDB was \$3,002,627, with a FEMA Grant: \$1,300,000, as local match for a total project cost: \$4,302,627<br><br>Of the amount requested from the TWDB, 64% will be grant (\$1,951,708) and 35% zero percent interest free loan (\$1,050,919).<br><br>Based on previous City Commission action, Half and Associates worked on the application and since the program is pending funding, Half will be the Engineering firm for this phase of the project. Staff is currently coordinating with the city's financial advisor and bond counsel on the loan portion requirements of the application. |                 |                                                              |
| <b>Funding Source</b> (budget code, if applicable):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                              |
| Amount:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Term of Impact: | Identified in Current Budget:                                |
| <b>Additional Action Prompted:</b><br>Mayor's Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                              |
| <b>If item previously considered, provide date and action by Commission:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                              |
| <b>If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                                                              |
| <b>Advisory Review, if any</b> (name of board/committee, date of action, recommendation):<br>The Kansas and Los Torritos project has been approved by the Drainage Committee. The City Manager will discuss project financials with the Drainage Committee on Thursday, September 24, 2020. The City Manager will discuss project updates and bond usage to date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                                                              |
| Andrew Muñoz<br>Mike Perez                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | Created/Initiated<br>Final Approval                          |
| <b>City Manager Comments:</b><br>Approve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                              |

**Staff Recommendation:**

Staff recommends approval.

**Attachments, if any:**

Intent to Apply Form, 13523 Weslaco, FIF Rankings, FIF Abridged Application - City of Weslaco\_signed w Bookmarks

**Responsibilities upon Approval:**

Submit the completed application to the Texas Water Development Board as well as work with our Financial Advisor and Bond Counsel to coordinate the financing portions of the grant/loan application.

## Instructions

Indicate below your intention to apply for funding from the Flood Infrastructure Fund. In addition, please complete the Statement of Funding section outlining all funding sources intended for your project, including specifically identifying the amount of FIF funding for which you intend to apply. Deadline to submit is **September 30, 2020**. Submit this document as an attachment to [FloodIUP@twdb.texas.gov](mailto:FloodIUP@twdb.texas.gov)

Failure to return this form by the deadline will be considered as no intention to apply and your project will not be considered for funding.

## General Information

Entity Name

Project Name (as listed in the Flood Prioritization List)

Abridged Application Number

Intent to Apply ☐ Yes ☐ No

## Statement of Funding

Please indicate the funding sources anticipated to sufficiently fund the project. Insert the dollar amounts applicable to the sources identified below. Entities may either use its own available funds or borrow FIF funds at 0% for any portion of the required local share not provided through the FIF grant funds. Other funding sources indicated below must be committed/awarded or under consideration by the funding agency. If federal funding is a source, the award must be confirmed prior to commitment by the TWDB. Please indicate the specific source and federal disaster number in the box below. While you may propose to use in-kind services on this form, any proposal must receive TWDB's approval.

| Sources of Funding                                                                                     | Amount (\$) |
|--------------------------------------------------------------------------------------------------------|-------------|
| a. Federal Funding<br>Disaster Number                                                                  | \$ 0.00     |
| b. Local Contribution<br>(All cash/loan/bond proceeds/non-federal grant sources <b>excluding FIF</b> ) | \$ 0.00     |
| c. In-Kind Contribution (estimated value)                                                              | \$ 0.00     |
| d. TWDB FIF Grant                                                                                      | \$ 0.00     |
| e. TWDB FIF Loan                                                                                       | \$ 0.00     |
| <b>TOTAL PROJECT COST (equals a+b+c+d+e)</b>                                                           | \$ 0.00     |

Signature

Title

Printed

Email Address

September 18, 2020

Mr. Andrew Munoz  
Assistant City Manager  
City of Weslaco  
[amunoz@weslacotx.gov](mailto:amunoz@weslacotx.gov)

Re: **Flood Infrastructure Fund 2020 Application Invitation**  
**Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park -**  
**Phase 1**  
**Abridged Application Number: 13523**  
**Submit Application for FIF Category 3**

Dear Mr. Munoz:

Congratulations! We are pleased to notify you the City of Weslaco is hereby invited to submit a complete application for funding to the Texas Water Development Board's (TWDB) inaugural round of the Flood Infrastructure Fund (FIF) for Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park - Phase 1 Abridged Application Number 13523.

Your project is included in the updated [prioritization list](#) based on criteria outlined in the 2020 Flood Intended Use Plan. The attached Intent to Apply Form includes a Statement of Funding section that will be used to confirm the amount of FIF funds requested. Grant and loan allocations listed in the prioritization are preliminary and subject to change.

To be considered for funding, you need to submit the following two documents to the TWDB by their respective deadlines:

- **You must submit your intent to apply form to [FloodIUP@twdb.texas.gov](mailto:FloodIUP@twdb.texas.gov) by September 30, 2020.** If you fail to fully complete and submit by the deadline the Intent to Apply, your project will not be considered for funding.
- If you do indicate by September 30 your intent to apply, your complete application will be due to the TWDB by 5:00 p.m., CST, on **October 19, 2020**. Applications will not be accepted after the deadline.

#### Our Mission

Leading the state's efforts in ensuring a secure water future for Texas and its citizens

#### Board Members

Peter M. Lake, Chairman | Kathleen Jackson, Board Member | Brooke T. Paup, Board Member  
Jeff Walker, Executive Administrator



Mr. Andrew Munoz  
September 18, 2020  
Page 2

Please note that if you need additional time beyond October 19, 2020, to submit any required Memorandum of Understanding or resolution from the governing body requesting financial assistance portions of the complete application, please contact the TWDB at [FIF@twdb.texas.gov](mailto:FIF@twdb.texas.gov).

Instructions for how to submit your application and the related application materials are on our [website](#).

Preapplication webinars will be held September 21 through September 25. These webinars will provide information on how to complete the Flood Financial Assistance Application and answer general programmatic questions. Applicants are highly encouraged to attend. To register for a webinar, please visit the [Flood Infrastructure Fund](#) on the TWDB's website.

We look forward to working with the City of Weslaco on its FIF project and are committed to providing excellent customer service and prompt responses to any questions as you complete your application. Should you have any questions or concerns, please contact Jessica Fleming, FIF Coordinator, Flood Science & Community Assistance, by telephone (512) 475-1764 or by email at [FIF@twdb.texas.gov](mailto:FIF@twdb.texas.gov).

Sincerely,

A handwritten signature in black ink that reads "Mark Wyatt". The signature is written in a cursive, flowing style with a long horizontal line extending from the end of the name.

Mark Wyatt  
Director, Program Administration and Reporting  
Water Supply and Infrastructure

Attachment: Intent to Apply Form

cc: Program Area contact: Jessica Fleming, FIF Coordinator, Flood Science & Community Assistance

**TO:** Board Members

**THROUGH:** Jeff Walker, Executive Administrator  
Ashley Harden, General Counsel  
Jessica Zuba, Deputy Executive Administrator, Water Supply & Infrastructure

**FROM:** Mark Wyatt, Director, Program Administration & Reporting  
Tom Entsminger, Manager, Program Administration

**DATE:** September 17, 2020

**SUBJECT:** Flood Infrastructure Fund  
2020 Funding Cycle Prioritization and Structure

## **ACTION REQUESTED**

Consider approving the prioritization for the 2020 Flood Infrastructure Fund cycle and establishing the amount of funds available for applications, the structure of financing, and terms of subsidy.

## **BACKGROUND**

In 2019, the Texas Legislature created the Flood Infrastructure Fund (FIF) program to provide funding for flood mitigation projects. The purpose of the FIF, as outlined in Senate Bill 7 of the 86th Legislature, was to assist in financing drainage, flood mitigation, and flood control projects. As required by law, the FIF had to be approved by Texas voters, and on November 5, 2019, they approved Proposition 8, the constitutional amendment providing for the creation of the FIF. In conjunction with that amendment, the legislature made a one-time transfer of \$793 million from the Economic Stabilization Fund to the FIF through Senate Bill 500.

A draft Flood Intended Use Plan (Flood IUP) for the FIF was first published on the Texas Water Development Board (TWDB) website for a 60-day public comment period in November 2019. This draft Flood IUP outlined programmatic requirements including eligible activities, minimum standards, loan and grant eligibilities, and prioritization criteria. At its March 12, 2020, meeting, the Board approved the publication of an updated draft Flood IUP reflecting the extensive comments received. On March 16, the TWDB

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Jeff Walker, Executive Administrator

opened the solicitation period during which interested entities could submit abridged applications. The abridged application deadline was June 15, 2020.

**KEY ISSUES**

Per Texas Administrative Code § 363.404, the abridged applications have been prioritized by the Executive Administrator (EA) according to the criteria outlined in the Flood IUP and ranked in the prioritization list, which includes the amount of funds requested. The TWDB received 286 abridged applications requesting a total of \$2,394,167,776. Based on review of all abridged applications received, 285 applications are considered eligible at this time and have been prioritized for the 2020 FIF cycle as shown in Attachment 1 of this memo. One application (\$3,600,000) was deemed ineligible.

As the next step, the Board is required to identify the amount of funds available for new applications and establish the structure of financing and the terms of any subsidy. Per § 363.404(a) of the Board's rules, the EA is then responsible for setting any deadlines for submission of full applications. Invited applicants who fail to submit a complete application by the deadline set by the EA will lose their priority ranking, and funds may be reallocated to other projects on the list.

Should the Board approve the EA's recommendations contained herein, complete applications for financial assistance from the initial round of invitees will be due October 19, 2020. Those applicants who are invited to apply after the first round of invitations (because funds become available) will have 30 days from the date they are invited to submit a complete application. In accordance with the Board's rules and Flood IUP, the EA may grant additional time to any applicant if a Memorandum of Understanding is determined necessary.

After complete applications are received and processed, the Board must make the findings required by § 363.407 of its rules before an application is approved.

### **PRIORITIZATION AND AMOUNT OF FUNDS REQUESTED**

Pursuant to the Flood IUP, the prioritization criteria were applied to the abridged applications as follows:

| Criteria                                                                                                                                         | Prioritization Points                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Flood protection planning for watersheds (Category 1 projects)</li> </ul>                                 | 25                                                              |
| <ul style="list-style-type: none"> <li>Measures immediately effective in protecting life and property (Category 4 projects)</li> </ul>           | 20                                                              |
| <ul style="list-style-type: none"> <li>Rural applicant</li> </ul>                                                                                | 12                                                              |
| <ul style="list-style-type: none"> <li>Emergency need due to recent or imminent failure or recent flood-related disaster declarations</li> </ul> | 10 or 5                                                         |
| <ul style="list-style-type: none"> <li>Distributed benefits</li> </ul>                                                                           | 10                                                              |
| Additional criteria for planning, acquisition, design (PAD) and construction or construction- only projects                                      |                                                                 |
| <ul style="list-style-type: none"> <li>Water supply benefit</li> </ul>                                                                           | 10                                                              |
| <ul style="list-style-type: none"> <li>Floodplain impacts</li> </ul>                                                                             | up to 12                                                        |
| <ul style="list-style-type: none"> <li>PAD-only projects</li> </ul>                                                                              | 12                                                              |
| <ul style="list-style-type: none"> <li>Non-structural flood mitigation at least 20% of total project costs</li> </ul>                            | 5                                                               |
| Tiebreaker                                                                                                                                       |                                                                 |
| Social Vulnerability Index (SVI)                                                                                                                 | The tie is broken in favor of the project with the highest SVI. |

### **FINANCING STRUCTURE AND TERMS OF SUBSIDY**

After reviewing the funding requests and evaluating the program funds, the EA recommends the program structure and terms as follows:

- \$770,000,000 available for projects, of which
  - \$231,000,000 (30%) maximum amount is allocated to grants; and
  - \$539,000,000 (70%) is allocated for loans.
- No project will receive more than \$23,100,000 in grant funding.
- Interest rate on all loans will be zero percent.
- Terms of loans
  - PAD-only projects: up to 10 years, with principal commencing no later than 18 months after the estimated completion of the last phase financed.
  - Construction projects: up to 30 years, provided the projected useful life of the project does not exceed the term and principal, commences no later than 18 months after estimated project construction completion.
  - No principal deferrals.
  - Level principal repayments required.



### **APPLICATION INVITATION PROCESS**

If the prioritization is approved, the EA will begin inviting entities to submit complete financial assistance applications with requests not to exceed the project's prioritized amount on September 18, 2020. To actively manage the prioritization list and ensure funds are committed in a timely manner, invited entities will be asked to submit an Intent to Apply form by September 30, 2020.

The EA will also request a designated number of entities below the initial line of available funds to submit an Intent to Apply form. Should funds become available due to invited entities declining to apply, invitations will be sent in ranked order down the prioritized list to applicants that met the TWDB's Intent to Apply deadline. In accordance with the Flood IUP, the EA may grant additional time for the subsequent invitees to submit an application.

Beginning the week of September 21, 2020, the TWDB will host webinars to provide information on completing the Financial Assistance Application. Registration for the webinars is posted on the TWDB's website.

### **IMPLEMENTATION**

Below is a proposed schedule for the implementation of the FIF program.

|                         |                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| September 17, 2020      | <ul style="list-style-type: none"><li>• Board considers approving the Flood IUP and Prioritization List</li><li>• Board identifies the amount available for new applications and establishes the structure of financing and the terms of any subsidy</li></ul>                                                         |
| September 18, 2020      | <ul style="list-style-type: none"><li>• Invitations extended to submit complete applications for financial assistance</li><li>• Letters of Intent to Apply are distributed to all within the available funding as well as those below the line, which will form a waiting list should funds become available</li></ul> |
| September 30, 2020      | <ul style="list-style-type: none"><li>• Deadline for entities to submit Intent to Apply forms</li></ul>                                                                                                                                                                                                                |
| October 19, 2020        | <ul style="list-style-type: none"><li>• Financial Assistance Applications due</li></ul>                                                                                                                                                                                                                                |
| Fall 2020–Winter 2020   | <ul style="list-style-type: none"><li>• Board meetings to consider approval of complete applications as they become ready for commitment consideration</li></ul>                                                                                                                                                       |
| Winter 2020–Spring 2021 | <ul style="list-style-type: none"><li>• Various entity closings/execution of grant agreements</li></ul>                                                                                                                                                                                                                |

### **RECOMMENDATION**

The EA recommends Board approval of the following:

1. Prioritization of the 2020 FIF program abridged applications as set forth in Attachment 1.
2. Authorization of \$770,000,000 in funding for the 2020 FIF prioritization cycle.
3. Authorization of program structure and terms of funding as described above.

Attachment: Prioritization List

# Flood Infrastructure Fund (FIF)

## 2020 Abridged Application Prioritized Project List

285 abridged applications / \$2,390,567,776

All determinations and calculations are subject to further evaluation.



9/9/2020

| Abridged App # | Ranked Position | Prioritization Score | Entity Name                                  | Project Name                                                       | Amount Requested | Category <sup>1</sup> | Eligible Grant Percentage <sup>2</sup> | Eligible Grant Amount<br><i>Amount Requested x Eligible Grant Percentage</i> | Eligible Loan Amount (or Entity's Funds)<br><i>Amount Requested less Eligible Grant Amount</i> | Cumulative Total |
|----------------|-----------------|----------------------|----------------------------------------------|--------------------------------------------------------------------|------------------|-----------------------|----------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
| 13800          | 1               | 79.9835              | Raymondville                                 | Raymondville Watershed Study                                       | \$ 400,000       | 1                     | 100%                                   | \$ 400,000                                                                   | \$ -                                                                                           | \$ 400,000       |
| 13561          | 2               | 79.9554              | Falls County                                 | Flood Planning                                                     | \$ 820,000       | 1                     | 90%                                    | \$ 738,000                                                                   | \$ 82,000                                                                                      | \$ 1,220,000     |
| 13605          | 3               | 79.9201              | Bee County                                   | Master Drainage Planning Study                                     | \$ 2,000,000     | 1                     | 90%                                    | \$ 1,800,000                                                                 | \$ 200,000                                                                                     | \$ 3,220,000     |
| 13562          | 4               | 79.9147              | Milam County                                 | Flood Control Planning                                             | \$ 856,500       | 1                     | 75%                                    | \$ 642,375                                                                   | \$ 214,125                                                                                     | \$ 4,076,500     |
| 13653          | 5               | 79.8750              | Alice                                        | Master Drainage Planning Study                                     | \$ 241,500       | 1                     | 90%                                    | \$ 217,350                                                                   | \$ 24,150                                                                                      | \$ 4,318,000     |
| 13611          | 6               | 79.8454              | Wharton County                               | Waterhole Creek - Caney Creek Basin Flood Protection Study         | \$ 427,500       | 1                     | 75%                                    | \$ 320,625                                                                   | \$ 106,875                                                                                     | \$ 4,745,500     |
| 13608          | 7               | 79.7699              | Driscoll                                     | Master Drainage Planning Study                                     | \$ 150,000       | 1                     | 90%                                    | \$ 135,000                                                                   | \$ 15,000                                                                                      | \$ 4,895,500     |
| 13571          | 8               | 79.7560              | Bartlett                                     | Flood Planning                                                     | \$ 350,000       | 1                     | 90%                                    | \$ 315,000                                                                   | \$ 35,000                                                                                      | \$ 5,245,500     |
| 13593          | 9               | 79.6947              | Eastland                                     | Leon River Watershed Study                                         | \$ 450,000       | 1                     | 90%                                    | \$ 405,000                                                                   | \$ 45,000                                                                                      | \$ 5,695,500     |
| 13698          | 10              | 79.5080              | Trinity River Authority                      | Trinity River Mid-Basin Watershed Study Phase II                   | \$ 1,170,000     | 1                     | 90%                                    | \$ 1,053,000                                                                 | \$ 117,000                                                                                     | \$ 6,865,500     |
| 13796          | 11              | 76.8730              | Karnes County                                | Flood Protection Planning Study                                    | \$ 618,750       | 1                     | 75%                                    | \$ 464,063                                                                   | \$ 154,687                                                                                     | \$ 7,484,250     |
| 13592          | 12              | 76.6949              | Caldwell County                              | Caldwell County Flood Protection Planning                          | \$ 975,000       | 1                     | 75%                                    | \$ 731,250                                                                   | \$ 243,750                                                                                     | \$ 8,459,250     |
| 13651          | 13              | 76.6933              | Cameron                                      | Little River Watershed Study                                       | \$ 150,000       | 1                     | 75%                                    | \$ 112,500                                                                   | \$ 37,500                                                                                      | \$ 8,609,250     |
| 13612          | 14              | 76.6492              | Jackson County County-Wide Drainage District | Keller Branch – Lavaca River Basin Flood Protection Study Option 1 | \$ 170,000       | 1                     | 75%                                    | \$ 127,500                                                                   | \$ 42,500                                                                                      | \$ 8,779,250     |
| 13613          | 15              | 76.6492              | Jackson County County-Wide Drainage District | Keller Branch – Lavaca River Basin Flood Protection Study Option 2 | \$ 375,000       | 1                     | 75%                                    | \$ 281,250                                                                   | \$ 93,750                                                                                      | \$ 9,154,250     |
| 13565          | 16              | 76.6237              | Iowa Colony                                  | Master Drainage Plan                                               | \$ 150,000       | 1                     | 50%                                    | \$ 75,000                                                                    | \$ 75,000                                                                                      | \$ 9,304,250     |
| 13815          | 17              | 74.8578              | Tehuacana Creek WID                          | Baseline Water Quality Study on Site 19                            | \$ 75,000        | 2*                    | 46%                                    | \$ 34,500                                                                    | \$ 40,500                                                                                      | \$ 9,379,250     |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                             | Project Name                                                                        | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13655             | 18                 | 71.5378                 | Chambers County                                         | Flood Protection Planning for Watersheds – Chambers County and City of Mont Belvieu | \$ 4,656,000        | 1                     | 75%                                       | \$ 3,492,000                                                                            | \$ 1,164,000                                                                                             | \$ 14,035,250       |
| 13597             | 19                 | 71.5297                 | Orange County Drainage District                         | Sabine River Relief Ditch Extension & Expansion                                     | \$ 3,750,000        | 1                     | 75%                                       | \$ 2,812,500                                                                            | \$ 937,500                                                                                               | \$ 17,785,250       |
| 13774             | 20                 | 69.9952                 | Willacy County                                          | Willacy County Watershed Study                                                      | \$ 1,600,000        | 1                     | 100%                                      | \$ 1,600,000                                                                            | \$ -                                                                                                     | \$ 19,385,250       |
| 13575             | 21                 | 69.7469                 | Gatesville                                              | Drainage Study and Master Plan                                                      | \$ 250,000          | 1                     | 90%                                       | \$ 225,000                                                                              | \$ 25,000                                                                                                | \$ 19,635,250       |
| 13697             | 22                 | 69.2178                 | Silsbee                                                 | City-Wide Flood Protection Planning                                                 | \$ 800,000          | 1                     | 90%                                       | \$ 720,000                                                                              | \$ 80,000                                                                                                | \$ 20,435,250       |
| 13609             | 23                 | 67.9790                 | Cameron County Drainage District #3                     | Flood Protection Study                                                              | \$ 1,485,000        | 1                     | 90%                                       | \$ 1,336,500                                                                            | \$ 148,500                                                                                               | \$ 21,920,250       |
| 13818             | 24                 | 67.9689                 | Nueces County Drainage & Conservation District #2       | Master Drainage Planning Study                                                      | \$ 550,000          | 1                     | 100%                                      | \$ 550,000                                                                              | \$ -                                                                                                     | \$ 22,470,250       |
| 13647             | 25                 | 67.8608                 | Brownsville                                             | Brownsville to Port Isabel HUC-10 Watershed Study                                   | \$ 1,350,000        | 1                     | 90%                                       | \$ 1,215,000                                                                            | \$ 135,000                                                                                               | \$ 23,820,250       |
| 13554             | 26                 | 67.6240                 | Galveston                                               | Master Drainage Study                                                               | \$ 800,000          | 1                     | 75%                                       | \$ 600,000                                                                              | \$ 200,000                                                                                               | \$ 24,620,250       |
| 13625             | 27                 | 66.8873                 | Hunt County                                             | Countywide Drainage Study                                                           | \$ 255,000          | 1                     | 75%                                       | \$ 191,250                                                                              | \$ 63,750                                                                                                | \$ 24,875,250       |
| 13589             | 28                 | 66.5606                 | Kaufman County                                          | Countywide Drainage Study                                                           | \$ 240,000          | 1                     | 75%                                       | \$ 180,000                                                                              | \$ 60,000                                                                                                | \$ 25,115,250       |
| 13809             | 29                 | 66.2666                 | Wimberley                                               | Wimberley Flood Hazard/Risk Assessment Project                                      | \$ 150,000          | 1                     | 75%                                       | \$ 112,500                                                                              | \$ 37,500                                                                                                | \$ 25,265,250       |
| 13704             | 30                 | 65.7338                 | Jourdanton                                              | Jourdanton Main Street Drainage Project                                             | \$ 1,504,770        | 2                     | 20%                                       | \$ 300,954                                                                              | \$ 1,203,816                                                                                             | \$ 26,770,020       |
| 13689             | 31                 | 64.9736                 | Hidalgo County Drainage District #1                     | Phase 1 Flood Control Project                                                       | \$ 29,700,000       | 2                     | 30%                                       | \$ 8,910,000                                                                            | \$ 20,790,000                                                                                            | \$ 56,470,020       |
| 13799             | 32                 | 64.8204                 | Nueces County                                           | Nueces County Regional Drainage Master Plan Study                                   | \$ 2,250,000        | 1                     | 75%                                       | \$ 1,687,500                                                                            | \$ 562,500                                                                                               | \$ 58,720,020       |
| 13806             | 33                 | 64.5396                 | Waller County                                           | Brazos River Flood Update Study                                                     | \$ 350,000          | 1                     | 75%                                       | \$ 262,500                                                                              | \$ 87,500                                                                                                | \$ 59,070,020       |
| 13543             | 34                 | 64.5315                 | Jefferson County Drainage District #6                   | Regional Watershed Plan                                                             | \$ 6,375,000        | 1                     | 75%                                       | \$ 4,781,250                                                                            | \$ 1,593,750                                                                                             | \$ 65,445,020       |
| 13807             | 35                 | 64.5191                 | Waller County                                           | Spring Creek Watershed Flood Protection Study                                       | \$ 320,000          | 1                     | 75%                                       | \$ 240,000                                                                              | \$ 80,000                                                                                                | \$ 65,765,020       |
| 13816             | 36                 | 64.2754                 | Parker County Soil and Water Conservation District #558 | Parker County EAP for Dam Breach and Inundation Maps                                | \$ 35,000           | 4                     | 5%                                        | \$ 1,750                                                                                | \$ 33,250                                                                                                | \$ 65,800,020       |
| 13820             | 37                 | 64.2564                 | San Jacinto River Authority                             | Spring Creek Watershed Flood Control Dams Conceptual Engineering Feasibility Study  | \$ 1,000,000        | 1                     | 50%                                       | \$ 500,000                                                                              | \$ 500,000                                                                                               | \$ 66,800,020       |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                       | Project Name                                                        | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13684             | 38                 | 62.9826                 | Lower Rio Grande Valley Development Council       | Lower Rio Grande Valley Regional Flood Protection Planning          | \$ 8,870,000        | 1                     | 90%                                       | \$ 7,983,000                                                                            | \$ 887,000                                                                                               | \$ 75,670,020       |
| 13607             | 39                 | 62.9201                 | Bee County                                        | Flood Early Warning System – Phase I                                | \$ 437,500          | 4                     | 75%                                       | \$ 328,125                                                                              | \$ 109,375                                                                                               | \$ 76,107,520       |
| 13659             | 40                 | 62.7988                 | DeWitt County Drainage District #1                | Flood Warning System & Stream Gage Network                          | \$ 210,770          | 4                     | 59%                                       | \$ 124,354                                                                              | \$ 86,416                                                                                                | \$ 76,318,290       |
| 13528             | 41                 | 62.7797                 | Harlingen                                         | Flood Protection Planning Study                                     | \$ 6,237,000        | 1                     | 90%                                       | \$ 5,613,300                                                                            | \$ 623,700                                                                                               | \$ 82,555,290       |
| 13628             | 42                 | 62.4150                 | San Jacinto River Authority                       | Flood Early Warning System for San Jacinto County                   | \$ 65,000           | 4                     | 74%                                       | \$ 48,100                                                                               | \$ 16,900                                                                                                | \$ 82,620,290       |
| 13634             | 43                 | 61.5000                 | Bastrop County                                    | Flood Protection Planning Studies - Phase 6                         | \$ 1,125,000        | 1                     | 75%                                       | \$ 843,750                                                                              | \$ 281,250                                                                                               | \$ 83,745,290       |
| 13679             | 44                 | 61.4973                 | Hardin County                                     | Municipal Storm Drain Project                                       | \$ 77,750,000       | 2                     | 8%                                        | \$ 6,220,000                                                                            | \$ 71,530,000                                                                                            | \$ 161,495,290      |
| 13801             | 45                 | 59.4833                 | Sabine River Authority                            | Flood Protection Planning for Watersheds – Lower Sabine River Basin | \$ 1,914,047        | 1                     | 75%                                       | \$ 1,435,535                                                                            | \$ 478,512                                                                                               | \$ 163,409,337      |
| 13808             | 46                 | 59.2460                 | Williamson County                                 | Williamson County Atlas 14 Floodplain Mapping                       | \$ 4,649,592        | 1                     | 50%                                       | \$ 2,324,796                                                                            | \$ 2,324,796                                                                                             | \$ 168,058,929      |
| 13626             | 47                 | 59.2387                 | San Jacinto River Authority                       | Lake Conroe – Lake Houston Joint Reservoir Operations Study         | \$ 1,000,000        | 1                     | 50%                                       | \$ 500,000                                                                              | \$ 500,000                                                                                               | \$ 169,058,929      |
| 13811             | 48                 | 57.9952                 | Willacy County                                    | Railroad Spur Drainage Detention Area                               | \$ 1,132,300        | 2                     | 57%                                       | \$ 645,411                                                                              | \$ 486,889                                                                                               | \$ 170,191,229      |
| 13518             | 49                 | 57.9952                 | San Perlita                                       | City-Wide Sewer System Upgrade #1                                   | \$ 4,000,000        | 2*                    | 68%                                       | \$ 2,720,000                                                                            | \$ 1,280,000                                                                                             | \$ 174,191,229      |
| 13821             | 50                 | 57.9478                 | Laredo                                            | Chacon Creek – Rio Grande Basin Flood Protection Study Option 2     | \$ 2,250,000        | 1                     | 90%                                       | \$ 2,025,000                                                                            | \$ 225,000                                                                                               | \$ 176,441,229      |
| 13526             | 51                 | 57.5785                 | Stephenville                                      | Green River - North Bosque Flood Protection Planning                | \$ 337,500          | 1                     | 75%                                       | \$ 253,125                                                                              | \$ 84,375                                                                                                | \$ 176,778,729      |
| 13615             | 52                 | 54.9689                 | Nueces County Drainage & Conservation District #2 | Casa Blanca Drainage Improvements                                   | \$ 810,000          | 2                     | 46%                                       | \$ 372,600                                                                              | \$ 437,400                                                                                               | \$ 177,588,729      |
| 13566             | 53                 | 54.9487                 | Mart                                              | Flood Planning                                                      | \$ 155,000          | 2*                    | 50%                                       | \$ 77,500                                                                               | \$ 77,500                                                                                                | \$ 177,743,729      |
| 13579             | 54                 | 54.8974                 | Pharr                                             | South Pharr Regional Detention Facility and Drainage Improvement    | \$ 4,510,000        | 2                     | 30%                                       | \$ 1,353,000                                                                            | \$ 3,157,000                                                                                             | \$ 182,253,729      |
| 13635             | 55                 | 54.8583                 | Bay City                                          | Regional Drainage Study                                             | \$ 306,000          | 2*                    | 29%                                       | \$ 88,740                                                                               | \$ 217,260                                                                                               | \$ 182,559,729      |
| 13521             | 56                 | 54.6746                 | Mineral Wells                                     | Comprehensive Drainage Study                                        | \$ 250,000          | 1                     | 90%                                       | \$ 225,000                                                                              | \$ 25,000                                                                                                | \$ 182,809,729      |
| 13798             | 57                 | 54.5976                 | Midland County                                    | Monahans and South Draw Flood Planning                              | \$ 1,225,000        | 1                     | 50%                                       | \$ 612,500                                                                              | \$ 612,500                                                                                               | \$ 184,034,729      |



| Abridged App # | Ranked Position | Prioritization Score | Entity Name                                            | Project Name                                                        | Amount Requested | Category <sup>1</sup> | Eligible Grant Percentage <sup>2</sup> | Eligible Grant Amount<br><i>Amount Requested x Eligible Grant Percentage</i> | Eligible Loan Amount (or Entity's Funds)<br><i>Amount Requested less Eligible Grant Amount</i> | Cumulative Total |
|----------------|-----------------|----------------------|--------------------------------------------------------|---------------------------------------------------------------------|------------------|-----------------------|----------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
| 13802          | 58              | 54.5172              | Sabine River Authority                                 | Flood Protection Planning for Watersheds – Upper Sabine River Basin | \$ 750,000       | 1                     | 75%                                    | \$ 562,500                                                                   | \$ 187,500                                                                                     | \$ 184,784,729   |
| 13779          | 59              | 54.4257              | Llano County                                           | Llano & San Saba County Hazard Mitigation Plan                      | \$ 134,500       | 3                     | 59%                                    | \$ 79,355                                                                    | \$ 55,145                                                                                      | \$ 184,919,229   |
| 13556          | 60              | 54.3540              | Austin                                                 | Central Texas Regional Floodplain Studies                           | \$ 4,450,000     | 1                     | 50%                                    | \$ 2,225,000                                                                 | \$ 2,225,000                                                                                   | \$ 189,369,229   |
| 13803          | 61              | 54.3204              | San Jacinto River Authority                            | Upper San Jacinto River Basin Regional Sedimentation Study          | \$ 750,000       | 1                     | 50%                                    | \$ 375,000                                                                   | \$ 375,000                                                                                     | \$ 190,119,229   |
| 13795          | 62              | 52.9675              | Val Verde County                                       | Flood Early Warning System                                          | \$ 500,000       | 4                     | 58%                                    | \$ 290,000                                                                   | \$ 210,000                                                                                     | \$ 190,619,229   |
| 13648          | 63              | 52.9543              | Brownsville                                            | Impala Drain and Upstream Ditches Improvements                      | \$ 9,100,000     | 2                     | 45%                                    | \$ 4,095,000                                                                 | \$ 5,005,000                                                                                   | \$ 199,719,229   |
| 13596          | 64              | 52.9322              | Uvalde County                                          | Self-Supporting Tower for Early Warning System                      | \$ 300,000       | 4                     | 73%                                    | \$ 219,000                                                                   | \$ 81,000                                                                                      | \$ 200,019,229   |
| 13797          | 65              | 52.7555              | Lubbock                                                | Flood Protection Planning for Watersheds                            | \$ 750,000       | 1                     | 75%                                    | \$ 562,500                                                                   | \$ 187,500                                                                                     | \$ 200,769,229   |
| 13540          | 66              | 52.7501              | Kingsville                                             | Drainage Master Plan - Location 9                                   | \$ 5,600,000     | 2                     | 43%                                    | \$ 2,408,000                                                                 | \$ 3,192,000                                                                                   | \$ 206,369,229   |
| 13542          | 67              | 52.6660              | Fredericksburg                                         | Flood Early Warning System Improvements                             | \$ 596,000       | 4                     | 15%                                    | \$ 89,400                                                                    | \$ 506,600                                                                                     | \$ 206,965,229   |
| 13707          | 68              | 52.4392              | Lower Neches Valley Authority                          | Stowell Water Plant Proposed 2020 Improvements                      | \$ 1,632,300     | 2                     | 35%                                    | \$ 571,305                                                                   | \$ 1,060,995                                                                                   | \$ 208,597,529   |
| 13771          | 69              | 51.9952              | Willacy County                                         | Joint Flood Control Project with WCDD #1                            | \$ 2,610,030     | 2                     | 51%                                    | \$ 1,331,115                                                                 | \$ 1,278,915                                                                                   | \$ 211,207,559   |
| 13719          | 70              | 51.0237              | Montgomery Co MUD #67                                  | Bear Branch Drainage Improvements                                   | \$ 11,300,000    | 2                     | 10%                                    | \$ 1,130,000                                                                 | \$ 10,170,000                                                                                  | \$ 222,507,559   |
| 13819          | 71              | 50.9689              | Nueces County Drainage & Conservation District #2      | Flood Early Warning System                                          | \$ 612,500       | 4                     | 76%                                    | \$ 465,500                                                                   | \$ 147,000                                                                                     | \$ 223,120,059   |
| 13794          | 72              | 50.5202              | Sabine River Authority                                 | Sabine River Basin Gages                                            | \$ 174,000       | 4                     | 58%                                    | \$ 100,920                                                                   | \$ 73,080                                                                                      | \$ 223,294,059   |
| 13654          | 73              | 49.9790              | Cameron County Drainage District #5                    | Murphy Lateral & South Fork Lateral Regional Detention Ponds        | \$ 2,340,000     | 2                     | 39%                                    | \$ 912,600                                                                   | \$ 1,427,400                                                                                   | \$ 225,634,059   |
| 13580          | 74              | 49.7020              | Houston                                                | Houston Storm Water Master Plan                                     | \$ 5,250,000     | 1                     | 75%                                    | \$ 3,937,500                                                                 | \$ 1,312,500                                                                                   | \$ 230,884,059   |
| 13530          | 75              | 49.6756              | Brazoria County Conservation & Reclamation District #3 | Alvin-Manvel Regional Flood Control Mitigation                      | \$ 5,000,000     | 2*                    | 5%                                     | \$ 250,000                                                                   | \$ 4,750,000                                                                                   | \$ 235,884,059   |
| 13620          | 76              | 49.2753              | North Central Texas Council of Governments             | Integrated Transportation and Stormwater Management                 | \$ 3,000,000     | 1                     | 50%                                    | \$ 1,500,000                                                                 | \$ 1,500,000                                                                                   | \$ 238,884,059   |
| 13527          | 77              | 49.2215              | Hays County                                            | Onion Creek Watershed Study Floodplain and Mapping                  | \$ 215,000       | 1                     | 50%                                    | \$ 107,500                                                                   | \$ 107,500                                                                                     | \$ 239,099,059   |

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|-------------------|--------------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13725             | 78                 | 48.9790                 | Palm Valley                                       | Storm Water System Improvements                                     | \$ 1,418,431        | 2                     | 5%                                        | \$ 70,922                                                                               | \$ 1,347,509                                                                                             | \$ 240,517,490      |
| 13606             | 79                 | 48.9201                 | Bee County                                        | Medio Creek Flood Control Improvements                              | \$ 3,473,313        | 2                     | 45%                                       | \$ 1,562,991                                                                            | \$ 1,910,322                                                                                             | \$ 243,990,803      |
| 13617             | 80                 | 47.9478                 | Laredo                                            | Chacon Creek – Rio Grande Basin Flood Protection Study              | \$ 585,000          | 1                     | 90%                                       | \$ 526,500                                                                              | \$ 58,500                                                                                                | \$ 244,575,803      |
| 13618             | 81                 | 46.9790                 | Cameron County Drainage District #5               | North Main Drainage Channel Improvement and Regional Detention Pond | \$ 3,003,000        | 2                     | 39%                                       | \$ 1,171,170                                                                            | \$ 1,831,830                                                                                             | \$ 247,578,803      |
| 13619             | 82                 | 46.9790                 | Cameron County Drainage District #5               | Sibley Lateral Regional Detention Pond                              | \$ 1,560,000        | 2                     | 39%                                       | \$ 608,400                                                                              | \$ 951,600                                                                                               | \$ 249,138,803      |
| 13547             | 83                 | 46.6317                 | Harris County Flood Control District              | Woodland Trails Basin                                               | \$ 57,130,515       | 2                     | 0%                                        | \$ -                                                                                    | \$ 57,130,515                                                                                            | \$ 306,269,318      |
| 13656             | 84                 | 44.9631                 | Cotulla                                           | Flood Planning Study for LOMR                                       | \$ 150,000          | 2                     | 5%                                        | \$ 7,500                                                                                | \$ 142,500                                                                                               | \$ 306,419,318      |
| 13691             | 85                 | 44.5274                 | New Braunfels                                     | New Braunfels Drainage Area Master Plan – Future Phases             | \$ 965,600          | 1                     | 75%                                       | \$ 724,200                                                                              | \$ 241,400                                                                                               | \$ 307,384,918      |
| 13522             | 86                 | 44.2576                 | Copper Canyon                                     | Poindexter Branch Flood Mitigation Plan                             | \$ 145,000          | 2                     | 10%                                       | \$ 14,500                                                                               | \$ 130,500                                                                                               | \$ 307,529,918      |
| 13738             | 87                 | 42.9986                 | San Benito                                        | Regional Flood Mitigation Fairground Facility                       | \$ 6,500,000        | 2                     | 40%                                       | \$ 2,600,000                                                                            | \$ 3,900,000                                                                                             | \$ 314,029,918      |
| 13782             | 88                 | 42.9952                 | Willacy County Drainage District #2               | Regional Detention Facilities                                       | \$ 1,616,331        | 3                     | 82%                                       | \$ 1,325,391                                                                            | \$ 290,940                                                                                               | \$ 315,646,249      |
| 13732             | 89                 | 42.9835                 | Raymondville                                      | Raymondville Ditch                                                  | \$ 548,551          | 2                     | 62%                                       | \$ 340,102                                                                              | \$ 208,449                                                                                               | \$ 316,194,800      |
| 13785             | 90                 | 42.9790                 | Cameron County Drainage District #1               | Ditch One Regional Detention Drainage Improvement - PER             | \$ 101,400          | 2                     | 39%                                       | \$ 39,546                                                                               | \$ 61,854                                                                                                | \$ 316,296,200      |
| 13610             | 91                 | 42.9790                 | Cameron County Drainage District #3               | Flood Protection Study Option 2                                     | \$ 257,000          | 2                     | 34%                                       | \$ 87,380                                                                               | \$ 169,620                                                                                               | \$ 316,553,200      |
| 13614             | 92                 | 42.9689                 | Nueces County Drainage & Conservation District #2 | Bosquez Rd. / Avenue J Drainage Improvements                        | \$ 2,453,731        | 2                     | 46%                                       | \$ 1,128,716                                                                            | \$ 1,325,015                                                                                             | \$ 319,006,931      |
| 13616             | 93                 | 42.9689                 | Nueces County Drainage & Conservation District #2 | Ditch “A” and Bluebonnet Drainage Improvements                      | \$ 1,312,000        | 2                     | 36%                                       | \$ 472,320                                                                              | \$ 839,680                                                                                               | \$ 320,318,931      |
| 13776             | 94                 | 42.9126                 | Willacy County                                    | La Sara Gates                                                       | \$ 56,238           | 2                     | 65%                                       | \$ 36,555                                                                               | \$ 19,683                                                                                                | \$ 320,375,169      |
| 13775             | 95                 | 42.9126                 | Willacy County                                    | Linear Detention and Pipe                                           | \$ 147,777          | 2                     | 55%                                       | \$ 81,277                                                                               | \$ 66,500                                                                                                | \$ 320,522,946      |
| 13823             | 96                 | 42.9007                 | Willacy County                                    | Lyford Trunkline                                                    | \$ 226,905          | 2                     | 52%                                       | \$ 117,991                                                                              | \$ 108,914                                                                                               | \$ 320,749,851      |
| 13773             | 97                 | 42.9007                 | Willacy County                                    | Simo Lift Station                                                   | \$ 321,720          | 2                     | 52%                                       | \$ 167,294                                                                              | \$ 154,426                                                                                               | \$ 321,071,571      |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                         | Project Name                                                                     | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|-------------------------------------|----------------------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13627             | 98                 | 42.8568                 | Alice                               | Pintas Creek at Sunset Dr. & Virginia St. Drainage Improvements                  | \$ 372,500          | 3                     | 77%                                       | \$ 286,825                                                                              | \$ 85,675                                                                                                | \$ 321,444,071      |
| 13564             | 99                 | 42.8555                 | Port Arthur                         | Master Drainage Plan and Policy Guide Development                                | \$ 1,300,000        | 2                     | 39%                                       | \$ 507,000                                                                              | \$ 793,000                                                                                               | \$ 322,744,071      |
| 13772             | 100                | 42.7857                 | Willacy County                      | Mulberry Detention Pond                                                          | \$ 880,578          | 2                     | 60%                                       | \$ 528,347                                                                              | \$ 352,231                                                                                               | \$ 323,624,649      |
| 13770             | 101                | 42.7857                 | Willacy County                      | Sebastian Drainage Improvements                                                  | \$ 2,946,456        | 2                     | 60%                                       | \$ 1,767,874                                                                            | \$ 1,178,582                                                                                             | \$ 326,571,105      |
| 13652             | 102                | 42.7070                 | Cameron                             | Little River Pump Station                                                        | \$ 15,000,000       | 2                     | 25%                                       | \$ 3,750,000                                                                            | \$ 11,250,000                                                                                            | \$ 341,571,105      |
| 13595             | 103                | 42.5349                 | Junction                            | Water Treatment Plant Raw Water Intake                                           | \$ 907,600          | 2                     | 50%                                       | \$ 453,800                                                                              | \$ 453,800                                                                                               | \$ 342,478,705      |
| 13591             | 104                | 42.3100                 | Harris County MUD #153              | Dredging of Channels that Exit Into Lake Houston                                 | \$ 50,000,000       | 2*                    | 10%                                       | \$ 5,000,000                                                                            | \$ 45,000,000                                                                                            | \$ 392,478,705      |
| 13804             | 105                | 42.2078                 | San Jacinto River Authority         | San Jacinto River Sand Trap Development Preliminary Design                       | \$ 400,000          | 2*                    | 0%                                        | \$ -                                                                                    | \$ 400,000                                                                                               | \$ 392,878,705      |
| 13623             | 106                | 41.9130                 | Wharton                             | City of Wharton Flood Protection Plan                                            | \$ 6,500,000        | 2                     | 47%                                       | \$ 3,055,000                                                                            | \$ 3,445,000                                                                                             | \$ 399,378,705      |
| 13784             | 107                | 40.9790                 | Cameron County Drainage District #1 | Ditch One Regional Detention Drainage Improvement - Final Design & Construction  | \$ 390,000          | 2                     | 39%                                       | \$ 152,100                                                                              | \$ 237,900                                                                                               | \$ 399,768,705      |
| 13650             | 108                | 40.8725                 | Bryan                               | B-FEWS Scalable Flood Early Warning System                                       | \$ 450,000          | 4                     | 40%                                       | \$ 180,000                                                                              | \$ 270,000                                                                                               | \$ 400,218,705      |
| 13781             | 109                | 40.5616                 | Marble Falls                        | Avenue N at Backbone Creek HMGP Project                                          | \$ 662,207          | 3                     | 74%                                       | \$ 490,033                                                                              | \$ 172,174                                                                                               | \$ 400,880,912      |
| 13709             | 110                | 40.5616                 | Marble Falls                        | Backbone Tributary Bypass Channel                                                | \$ 744,438          | 2                     | 44%                                       | \$ 327,553                                                                              | \$ 416,885                                                                                               | \$ 401,625,350      |
| 13568             | 111                | 40.3378                 | Bandera                             | Drainage Improvements                                                            | \$ 8,233,973        | 2                     | 45%                                       | \$ 3,705,288                                                                            | \$ 4,528,685                                                                                             | \$ 409,859,323      |
| 13550             | 112                | 39.9516                 | Alton                               | North Stewart Blvd Drainage Improvements                                         | \$ 8,500,000        | 2                     | 35%                                       | \$ 2,975,000                                                                            | \$ 5,525,000                                                                                             | \$ 418,359,323      |
| 13717             | 113                | 39.9487                 | Mexia                               | Plummers Creek Tributary Storm Sewer Improvements                                | \$ 1,700,000        | 2                     | 51%                                       | \$ 867,000                                                                              | \$ 833,000                                                                                               | \$ 420,059,323      |
| 13523             | 114                | 39.9158                 | Weslaco                             | Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park - Phase 1 | \$ 3,002,627        | 3                     | 65%                                       | \$ 1,951,708                                                                            | \$ 1,050,919                                                                                             | \$ 423,061,950      |
| 13687             | 115                | 39.8904                 | Harlingen                           | 9th & 13th Street Drainage Improvements                                          | \$ 1,686,744        | 3                     | 80%                                       | \$ 1,349,395                                                                            | \$ 337,349                                                                                               | \$ 424,748,694      |
| 13762             | 116                | 39.6973                 | Trinity Bay Conservation District   | Spindletop Bayou                                                                 | \$ 11,500,000       | 2                     | 9%                                        | \$ 1,035,000                                                                            | \$ 10,465,000                                                                                            | \$ 436,248,694      |
| 13805             | 117                | 37.7781                 | San Patricio County                 | Green Lake Outfall System and Gregory Diversion Ditch                            | \$ 13,941,120       | 2*                    | 17%                                       | \$ 2,369,990                                                                            | \$ 11,571,130                                                                                            | \$ 450,189,814      |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                     | Project Name                                              | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13560             | 118                | 37.7350                 | Dallas County                                   | Dallas County Inland Port Flood Protection Planning Study | \$ 7,245,000        | 1                     | 75%                                       | \$ 5,433,750                                                                            | \$ 1,811,250                                                                                             | \$ 457,434,814      |
| 13557             | 119                | 37.7338                 | La Villa                                        | Water Treatment Plant Relocation                          | \$ 8,939,000        | 2*                    | 44%                                       | \$ 3,933,160                                                                            | \$ 5,005,840                                                                                             | \$ 466,373,814      |
| 13791             | 120                | 37.7020                 | Houston                                         | Taylor Gully Flood Damage Reduction                       | \$ 30,000,000       | 2                     | 0%                                        | \$ -                                                                                    | \$ 30,000,000                                                                                            | \$ 496,373,814      |
| 13599             | 121                | 37.6443                 | Harris County                                   | Beaumont Place Subdivision Drainage Improvement Phase 2   | \$ 807,250          | 2                     | 5%                                        | \$ 40,363                                                                               | \$ 766,887                                                                                               | \$ 497,181,064      |
| 13702             | 122                | 37.6121                 | Jefferson County Drainage District #3           | Mayhaw Lateral Improvements                               | \$ 2,200,000        | 2                     | 8%                                        | \$ 176,000                                                                              | \$ 2,024,000                                                                                             | \$ 499,381,064      |
| 13594             | 123                | 37.5349                 | Junction                                        | Junction Dam Repairs and Mitigation                       | \$ 4,121,000        | 2                     | 50%                                       | \$ 2,060,500                                                                            | \$ 2,060,500                                                                                             | \$ 503,502,064      |
| 13744             | 124                | 37.1463                 | Sienna Plantation Levee Improvement District    | Channel 1 Detention Facility                              | \$ 9,400,000        | 2                     | 3%                                        | \$ 282,000                                                                              | \$ 9,118,000                                                                                             | \$ 512,902,064      |
| 13669             | 125                | 37.1190                 | Fort Bend County Levee Improvement District #14 | Pump Station Upgrade And Replacement                      | \$ 3,000,000        | 2                     | 5%                                        | \$ 150,000                                                                              | \$ 2,850,000                                                                                             | \$ 515,902,064      |
| 13814             | 126                | 37.1190                 | Fort Bend County Levee Improvement District #19 | Lost Creek Pump Station                                   | \$ 17,975,000       | 2                     | 0%                                        | \$ -                                                                                    | \$ 17,975,000                                                                                            | \$ 533,877,064      |
| 13541             | 127                | 37.0705                 | Fort Bend County MUD #140                       | FM 359 Regional Levee                                     | \$ 22,000,000       | 2                     | 0%                                        | \$ -                                                                                    | \$ 22,000,000                                                                                            | \$ 555,877,064      |
| 13688             | 128                | 35.8223                 | Hewitt                                          | Flat Creek Automatic Gate System Project                  | \$ 231,700          | 4                     | 40%                                       | \$ 92,680                                                                               | \$ 139,020                                                                                               | \$ 556,108,764      |
| 13587             | 129                | 35.7571                 | Harris County Flood Control District            | Halls Bayou Drainage Project Bond C-26 & C-27             | \$ 28,515,863       | 2                     | 30%                                       | \$ 8,554,759                                                                            | \$ 19,961,104                                                                                            | \$ 584,624,627      |
| 13638             | 130                | 35.6101                 | Angelina & Neches River Authority               | West Orange County Flood Mitigation                       | \$ 104,401,381      | 2                     | 13%                                       | \$ 13,572,180                                                                           | \$ 90,829,201                                                                                            | \$ 689,026,008      |
| 13708             | 131                | 35.5616                 | Marble Falls                                    | Wastewater Treatment Plant Relocation out of Floodplain   | \$ 13,362,750       | 2                     | 34%                                       | \$ 4,543,335                                                                            | \$ 8,819,415                                                                                             | \$ 702,388,758      |
| 13573             | 132                | 34.4600                 | Sugar Land                                      | Austin Park and Chimneystone Drainage Improvements        | \$ 16,500,000       | 2                     | 5%                                        | \$ 825,000                                                                              | \$ 15,675,000                                                                                            | \$ 718,888,758      |
| 13567             | 133                | 34.4419                 | Travis County                                   | Master Flood Plan Phase 1                                 | \$ 1,282,500        | 1                     | 75%                                       | \$ 961,875                                                                              | \$ 320,625                                                                                               | \$ 720,171,258      |
| 13789             | 134                | 33.8120                 | El Paso County                                  | Stream 13.5 Basin (HAC7)                                  | \$ 3,210,000        | 2                     | 50%                                       | \$ 1,605,000                                                                            | \$ 1,605,000                                                                                             | \$ 723,381,258      |
| 13538             | 135                | 33.7501                 | Kingsville                                      | Drainage Master Plan - Location 7                         | \$ 1,400,000        | 2                     | 43%                                       | \$ 602,000                                                                              | \$ 798,000                                                                                               | \$ 724,781,258      |
| 13633             | 136                | 33.4190                 | Bastrop                                         | Gills Branch Flood Mitigation Improvements                | \$ 4,500,000        | 2                     | 5%                                        | \$ 225,000                                                                              | \$ 4,275,000                                                                                             | \$ 729,281,258      |
| 13670             | 137                | 33.1559                 | Fort Bend County Levee Improvement District #2  | Additional Internal Flood Storage                         | \$ 10,300,000       | 2                     | 10%                                       | \$ 1,030,000                                                                            | \$ 9,270,000                                                                                             | \$ 739,581,258      |



| Abridged App # | Ranked Position | Prioritization Score | Entity Name                                  | Project Name                                                      | Amount Requested | Category <sup>1</sup> | Eligible Grant Percentage <sup>2</sup> | Eligible Grant Amount<br><i>Amount Requested x Eligible Grant Percentage</i> | Eligible Loan Amount (or Entity's Funds)<br><i>Amount Requested less Eligible Grant Amount</i> | Cumulative Total |
|----------------|-----------------|----------------------|----------------------------------------------|-------------------------------------------------------------------|------------------|-----------------------|----------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
| 13780          | 138             | 32.9952              | Lyford                                       | HMGP Match Funds                                                  | \$ 187,553       | 3                     | 82%                                    | \$ 153,793                                                                   | \$ 33,760                                                                                      | \$ 739,768,811   |
| 13731          | 139             | 32.9790              | Primera                                      | City of Primera Drainage Master Plan                              | \$ 300,000       | 2                     | 29%                                    | \$ 87,000                                                                    | \$ 213,000                                                                                     | \$ 740,068,811   |
| 13716          | 140             | 32.9498              | Mercedes                                     | Storm Sewer and Drainage System GIS Mapping & Hydraulic Study     | \$ 75,000        | 2                     | 34%                                    | \$ 25,500                                                                    | \$ 49,500                                                                                      | \$ 740,143,811   |
| 13765          | 141             | 32.8917              | Tyler                                        | Black Fork Creek at Gentry Parkway Capital Improvement Plan Study | \$ 80,000        | 2                     | 35%                                    | \$ 28,000                                                                    | \$ 52,000                                                                                      | \$ 740,223,811   |
| 13588          | 142             | 32.8352              | Harris County Flood Control District         | Halls Bayou Drainage Project Bond C-28 & C-29                     | \$ 12,538,614    | 2                     | 30%                                    | \$ 3,761,584                                                                 | \$ 8,777,030                                                                                   | \$ 752,762,425   |
| 13720          | 143             | 32.8320              | Mount Pleasant                               | Hart Creek Tributary Study                                        | \$ 75,000        | 2                     | 25%                                    | \$ 18,750                                                                    | \$ 56,250                                                                                      | \$ 752,837,425   |
| 13764          | 144             | 32.8073              | Tyler                                        | Headwaters of Willow Creek Capital Improvement Plan Study         | \$ 160,000       | 2                     | 39%                                    | \$ 62,400                                                                    | \$ 97,600                                                                                      | \$ 752,997,425   |
| 13532          | 145             | 32.7501              | Kingsville                                   | Drainage Master Plan - Location 1                                 | \$ 1,400,000     | 2                     | 43%                                    | \$ 602,000                                                                   | \$ 798,000                                                                                     | \$ 754,397,425   |
| 13534          | 146             | 32.7501              | Kingsville                                   | Drainage Master Plan - Location 3                                 | \$ 1,500,000     | 2                     | 43%                                    | \$ 645,000                                                                   | \$ 855,000                                                                                     | \$ 755,897,425   |
| 13535          | 147             | 32.7501              | Kingsville                                   | Drainage Master Plan - Location 4                                 | \$ 1,900,000     | 2                     | 43%                                    | \$ 817,000                                                                   | \$ 1,083,000                                                                                   | \$ 757,797,425   |
| 13726          | 148             | 32.7020              | Pasadena                                     | Hurricane Harvey Drainage Mitigation Project 1                    | \$ 29,016,903    | 2                     | 5%                                     | \$ 1,450,845                                                                 | \$ 27,566,058                                                                                  | \$ 786,814,328   |
| 13727          | 149             | 32.7020              | Pasadena                                     | Hurricane Harvey Drainage Mitigation Project 2                    | \$ 182,700,000   | 2                     | 5%                                     | \$ 9,135,000                                                                 | \$ 173,565,000                                                                                 | \$ 969,514,328   |
| 13728          | 150             | 32.7020              | Pasadena                                     | Hurricane Harvey Drainage Mitigation Project 3                    | \$ 33,793,000    | 3                     | 5%                                     | \$ 1,689,650                                                                 | \$ 32,103,350                                                                                  | \$ 1,003,307,328 |
| 13696          | 151             | 32.6262              | San Angelo                                   | Lower Reagan Regional Detention Improvements                      | \$ 570,552       | 2                     | 5%                                     | \$ 28,528                                                                    | \$ 542,024                                                                                     | \$ 1,003,877,880 |
| 13519          | 152             | 32.2819              | Rose Hill Acres                              | Flood Mitigation Improvements                                     | \$ 12,000,000    | 2                     | 14%                                    | \$ 1,680,000                                                                 | \$ 10,320,000                                                                                  | \$ 1,015,877,880 |
| 13769          | 153             | 32.2725              | Weston Lakes                                 | Flood Diversion Canal                                             | \$ 900,000       | 2                     | 5%                                     | \$ 45,000                                                                    | \$ 855,000                                                                                     | \$ 1,016,777,880 |
| 13668          | 154             | 32.2650              | Fort Bend County                             | Flat Bank Creek Cutoff Structure                                  | \$ 21,000,000    | 2                     | 0%                                     | \$ -                                                                         | \$ 21,000,000                                                                                  | \$ 1,037,777,880 |
| 13548          | 155             | 31.8018              | Harris County Flood Control District         | Lauder Stormwater Detention Basin                                 | \$ 26,569,507    | 2                     | 10%                                    | \$ 2,656,951                                                                 | \$ 23,912,556                                                                                  | \$ 1,064,347,387 |
| 13570          | 156             | 31.6805              | Fort Bend County Drainage District           | Upper Big Creek Flood Reduction Project                           | \$ 51,000,000    | 2*                    | 15%                                    | \$ 7,650,000                                                                 | \$ 43,350,000                                                                                  | \$ 1,115,347,387 |
| 13745          | 157             | 31.1463              | Sienna Plantation Levee Improvement District | 600 Acre-Foot Regional Detention Facility                         | \$ 8,000,000     | 2                     | 3%                                     | \$ 240,000                                                                   | \$ 7,760,000                                                                                   | \$ 1,123,347,387 |

| Abridged App # | Ranked Position | Prioritization Score | Entity Name                                  | Project Name                                           | Amount Requested | Category <sup>1</sup> | Eligible Grant Percentage <sup>2</sup> | Eligible Grant Amount<br><i>Amount Requested x Eligible Grant Percentage</i> | Eligible Loan Amount (or Entity's Funds)<br><i>Amount Requested less Eligible Grant Amount</i> | Cumulative Total |
|----------------|-----------------|----------------------|----------------------------------------------|--------------------------------------------------------|------------------|-----------------------|----------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
| 13753          | 158             | 31.1463              | Sienna Plantation Levee Improvement District | Woods Acreage Estates Pump Station                     | \$ 2,100,000     | 2                     | 0%                                     | \$ -                                                                         | \$ 2,100,000                                                                                   | \$ 1,125,447,387 |
| 13662          | 159             | 30.9572              | Cameron County                               | Paso Real Drainage Project                             | \$ 367,545       | 3                     | 75%                                    | \$ 275,659                                                                   | \$ 91,886                                                                                      | \$ 1,125,814,932 |
| 13583          | 160             | 30.8953              | Houston                                      | Wynnewood/Acres Homes                                  | \$ 12,261,900    | 2                     | 30%                                    | \$ 3,678,570                                                                 | \$ 8,583,330                                                                                   | \$ 1,138,076,832 |
| 13649          | 161             | 30.8735              | Brownsville                                  | Drainage SCADA Control System                          | \$ 4,000,000     | 2*                    | 36%                                    | \$ 1,440,000                                                                 | \$ 2,560,000                                                                                   | \$ 1,142,076,832 |
| 13531          | 162             | 30.7670              | Garland                                      | Flood Warning System                                   | \$ 637,000       | 4                     | 3%                                     | \$ 19,110                                                                    | \$ 617,890                                                                                     | \$ 1,142,713,832 |
| 13724          | 163             | 30.7259              | Palestine                                    | Blue Lake Dam Improvements                             | \$ 260,000       | 2                     | 40%                                    | \$ 104,000                                                                   | \$ 156,000                                                                                     | \$ 1,142,973,832 |
| 13722          | 164             | 30.7259              | Palestine                                    | Lower Lake Dam Improvements                            | \$ 335,000       | 2                     | 20%                                    | \$ 67,000                                                                    | \$ 268,000                                                                                     | \$ 1,143,308,832 |
| 13723          | 165             | 30.7259              | Palestine                                    | Upper Lake Dam Improvements                            | \$ 315,000       | 2                     | 20%                                    | \$ 63,000                                                                    | \$ 252,000                                                                                     | \$ 1,143,623,832 |
| 13721          | 166             | 30.6502              | Palestine                                    | Wolf Creek Lake Dam Improvements                       | \$ 380,000       | 2                     | 30%                                    | \$ 114,000                                                                   | \$ 266,000                                                                                     | \$ 1,144,003,832 |
| 13551          | 167             | 30.5699              | Canyon Regional WA                           | Hays Caldwell Water Treatment Plant Floodwall          | \$ 1,593,553     | 2                     | 0%                                     | \$ -                                                                         | \$ 1,593,553                                                                                   | \$ 1,145,597,385 |
| 13640          | 168             | 30.5406              | Arlington                                    | Stream Gauge Improvements                              | \$ 109,042       | 4                     | 0%                                     | \$ -                                                                         | \$ 109,042                                                                                     | \$ 1,145,706,427 |
| 13552          | 169             | 30.5084              | Canyon Regional WA                           | Pipeline Bore Under Lake Dunlap                        | \$ 1,661,467     | 2                     | 0%                                     | \$ -                                                                         | \$ 1,661,467                                                                                   | \$ 1,147,367,894 |
| 13777          | 170             | 30.1949              | Willow Fork Drainage District                | Barker Reservoir Flood Risk Reduction and Park Project | \$ 48,880,000    | 2                     | 8%                                     | \$ 3,910,400                                                                 | \$ 44,969,600                                                                                  | \$ 1,196,247,894 |
| 13729          | 171             | 30.0327              | Pasadena                                     | Middle Armand Bayou Protection Project                 | \$ 12,166,000    | 2                     | 10%                                    | \$ 1,216,600                                                                 | \$ 10,949,400                                                                                  | \$ 1,208,413,894 |
| 13559          | 172             | 29.9303              | Weslaco                                      | Regional Detention Pond Project 2, Phase 1B            | \$ 3,040,000     | 2                     | 25%                                    | \$ 760,000                                                                   | \$ 2,280,000                                                                                   | \$ 1,211,453,894 |
| 13586          | 173             | 29.9190              | Harris County Flood Control District         | Halls Bayou Drainage Project Bond C-24                 | \$ 37,312,031    | 2                     | 35%                                    | \$ 13,059,211                                                                | \$ 24,252,820                                                                                  | \$ 1,248,765,925 |
| 13585          | 174             | 29.8821              | Harris County Flood Control District         | Halls Bayou Drainage Project Bond C-23                 | \$ 16,215,233    | 2                     | 10%                                    | \$ 1,621,523                                                                 | \$ 14,593,710                                                                                  | \$ 1,264,981,158 |
| 13584          | 175             | 29.8386              | Harris County Flood Control District         | Halls Bayou Drainage Project Bond C-01                 | \$ 20,332,836    | 2                     | 26%                                    | \$ 5,286,537                                                                 | \$ 15,046,299                                                                                  | \$ 1,285,313,994 |
| 13578          | 176             | 29.7670              | University Park                              | Park Storm Water Improvements for Area 2               | \$ 717,640       | 2                     | 0%                                     | \$ -                                                                         | \$ 717,640                                                                                     | \$ 1,286,031,634 |
| 13576          | 177             | 29.7670              | University Park                              | Storm Water Improvements for Area 1 Phase 2            | \$ 3,500,000     | 2                     | 0%                                     | \$ -                                                                         | \$ 3,500,000                                                                                   | \$ 1,289,531,634 |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                       | Project Name                                                          | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|-----------------------------------|-----------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13621             | 178                | 29.7410                 | Fairfield                         | South Bateman Drainage Study                                          | \$ 45,600           | 2*                    | 25%                                       | \$ 11,400                                                                               | \$ 34,200                                                                                                | \$ 1,289,577,234    |
| 13569             | 179                | 27.9487                 | Mart                              | Flood Prevention and Mitigation                                       | \$ 460,000          | 2                     | 50%                                       | \$ 230,000                                                                              | \$ 230,000                                                                                               | \$ 1,290,037,234    |
| 13666             | 180                | 27.9086                 | El Paso County WID #1             | Irrigation/Floodwater Mitigation Strategy Update                      | \$ 100,000          | 2*                    | 34%                                       | \$ 34,000                                                                               | \$ 66,000                                                                                                | \$ 1,290,137,234    |
| 13664             | 181                | 27.8191                 | El Paso                           | Will Ruth Pond and Conveyance Improvements                            | \$ 14,600,000       | 2                     | 35%                                       | \$ 5,110,000                                                                            | \$ 9,490,000                                                                                             | \$ 1,304,737,234    |
| 13787             | 182                | 27.8120                 | El Paso County                    | Sparks Arroyo A1-A3 (SSA1)                                            | \$ 34,530,000       | 2                     | 40%                                       | \$ 13,812,000                                                                           | \$ 20,718,000                                                                                            | \$ 1,339,267,234    |
| 13533             | 183                | 27.7501                 | Kingsville                        | Drainage Master Plan - Location 2                                     | \$ 3,600,000        | 2                     | 43%                                       | \$ 1,548,000                                                                            | \$ 2,052,000                                                                                             | \$ 1,342,867,234    |
| 13536             | 184                | 27.7501                 | Kingsville                        | Drainage Master Plan - Location 5                                     | \$ 7,800,000        | 2                     | 43%                                       | \$ 3,354,000                                                                            | \$ 4,446,000                                                                                             | \$ 1,350,667,234    |
| 13537             | 185                | 27.7501                 | Kingsville                        | Drainage Master Plan - Location 6                                     | \$ 230,000          | 2                     | 43%                                       | \$ 98,900                                                                               | \$ 131,100                                                                                               | \$ 1,350,897,234    |
| 13590             | 186                | 27.6952                 | Panola County FWSD #1             | Murvaul Bayou Dam Flood Mitigation                                    | \$ 411,950          | 2                     | 18%                                       | \$ 74,151                                                                               | \$ 337,799                                                                                               | \$ 1,351,309,184    |
| 13763             | 187                | 27.6280                 | Trinity Bay Conservation District | Spring Branch/Albritta Gulley                                         | \$ 320,000          | 2                     | 9%                                        | \$ 28,800                                                                               | \$ 291,200                                                                                               | \$ 1,351,629,184    |
| 13793             | 188                | 27.5406                 | Kennedale                         | Valley Lane Streambank Stabilization                                  | \$ 2,019,000        | 2*                    | 20%                                       | \$ 403,800                                                                              | \$ 1,615,200                                                                                             | \$ 1,353,648,184    |
| 13555             | 189                | 27.5232                 | Fredericksburg                    | N Llano Storm Sewer System                                            | \$ 2,082,340        | 2                     | 15%                                       | \$ 312,351                                                                              | \$ 1,769,989                                                                                             | \$ 1,355,730,524    |
| 13667             | 190                | 27.4632                 | Ennis                             | Cottonwood Drainage Rehabilitation                                    | \$ 3,455,800        | 2                     | 5%                                        | \$ 172,790                                                                              | \$ 3,283,010                                                                                             | \$ 1,359,186,324    |
| 13760             | 191                | 26.9130                 | Socorro                           | Sparks Arroyo Drainage Project                                        | \$ 2,868,759        | 2                     | 34%                                       | \$ 975,378                                                                              | \$ 1,893,381                                                                                             | \$ 1,362,055,083    |
| 13577             | 192                | 26.7670                 | University Park                   | Storm Water Improvements for Area 1 Phase 3                           | \$ 2,500,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 2,500,000                                                                                             | \$ 1,364,555,083    |
| 13695             | 193                | 26.6262                 | San Angelo                        | East Angelo Draw Channel Improvements                                 | \$ 2,397,503        | 2                     | 34%                                       | \$ 815,151                                                                              | \$ 1,582,352                                                                                             | \$ 1,366,952,586    |
| 13740             | 194                | 25.9095                 | San Marcos                        | Briarwood and River Ridge Improvements                                | \$ 2,352,226        | 2                     | 49%                                       | \$ 1,152,591                                                                            | \$ 1,199,635                                                                                             | \$ 1,369,304,812    |
| 13600             | 195                | 25.8339                 | Harris County                     | Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements         | \$ 784,768          | 2                     | 40%                                       | \$ 313,907                                                                              | \$ 470,861                                                                                               | \$ 1,370,089,580    |
| 13603             | 196                | 25.8257                 | Harris County                     | Ralston Acres Subdivision Drainage Improvements                       | \$ 1,234,161        | 2                     | 35%                                       | \$ 431,956                                                                              | \$ 802,205                                                                                               | \$ 1,371,323,741    |
| 13601             | 197                | 25.8020                 | Harris County                     | Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements | \$ 1,006,170        | 2                     | 34%                                       | \$ 342,098                                                                              | \$ 664,072                                                                                               | \$ 1,372,329,911    |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                    | Project Name                                                    | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13581             | 198                | 25.7963                 | Houston                                        | Catalina                                                        | \$ 3,465,000        | 2                     | 35%                                       | \$ 1,212,750                                                                            | \$ 2,252,250                                                                                             | \$ 1,375,794,911    |
| 13582             | 199                | 25.7496                 | Houston                                        | Spring Shadows South                                            | \$ 3,186,414        | 2                     | 5%                                        | \$ 159,321                                                                              | \$ 3,027,093                                                                                             | \$ 1,378,981,325    |
| 13598             | 200                | 25.7378                 | Harris County                                  | Northfield Place Subdivision Drainage Improvements              | \$ 6,437,200        | 2                     | 30%                                       | \$ 1,931,160                                                                            | \$ 4,506,040                                                                                             | \$ 1,385,418,525    |
| 13602             | 201                | 25.6999                 | Harris County                                  | Oak Glen Place Subdivision Drainage Improvements                | \$ 1,130,408        | 2                     | 14%                                       | \$ 158,257                                                                              | \$ 972,151                                                                                               | \$ 1,386,548,933    |
| 13661             | 202                | 25.6952                 | Cameron County                                 | Mariposa Ranch Drainage Project                                 | \$ 575,951          | 3                     | 49%                                       | \$ 282,216                                                                              | \$ 293,735                                                                                               | \$ 1,387,124,884    |
| 13604             | 203                | 25.6443                 | Harris County                                  | Sandpiper Village Subdivision Drainage Improvements             | \$ 415,138          | 2                     | 15%                                       | \$ 62,271                                                                               | \$ 352,867                                                                                               | \$ 1,387,540,022    |
| 13525             | 204                | 25.4374                 | Guadalupe Blanco RA                            | Lake Dunlap Spillgate Replacement and Dam Armoring              | \$ 40,000,000       | 2*                    | 0%                                        | \$ -                                                                                    | \$ 40,000,000                                                                                            | \$ 1,427,540,022    |
| 13672             | 205                | 25.1949                 | Fort Bend County Levee Improvement District #7 | Brazos River Bank Stabilization                                 | \$ 14,387,758       | 3                     | 3%                                        | \$ 431,633                                                                              | \$ 13,956,125                                                                                            | \$ 1,441,927,780    |
| 13674             | 206                | 25.1949                 | Fort Bend County Levee Improvement District #7 | Internal Flood Risk Reduction                                   | \$ 25,138,328       | 2                     | 3%                                        | \$ 754,150                                                                              | \$ 24,384,178                                                                                            | \$ 1,467,066,108    |
| 13758             | 207                | 25.1585                 | Sienna Plantation Levee Improvement District   | Electrical Package for all District Sluice Gates                | \$ 600,000          | 2                     | 0%                                        | \$ -                                                                                    | \$ 600,000                                                                                               | \$ 1,467,666,108    |
| 13759             | 208                | 25.1585                 | Sienna Plantation Levee Improvement District   | Lighting at Pump Stations and Major Outfalls and Gates          | \$ 600,000          | 2                     | 0%                                        | \$ -                                                                                    | \$ 600,000                                                                                               | \$ 1,468,266,108    |
| 13746             | 209                | 25.1585                 | Sienna Plantation Levee Improvement District   | Structural Hardening of Brazos River Levee                      | \$ 5,000,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 5,000,000                                                                                             | \$ 1,473,266,108    |
| 13755             | 210                | 25.1571                 | Sienna Plantation Levee Improvement District   | Expand Working Area and Improve Access to North Pump Station    | \$ 1,300,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 1,300,000                                                                                             | \$ 1,474,566,108    |
| 13750             | 211                | 25.1571                 | Sienna Plantation Levee Improvement District   | Flat Bank Creek Widening and Clean-Out Project                  | \$ 2,600,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 2,600,000                                                                                             | \$ 1,477,166,108    |
| 13756             | 212                | 25.1519                 | Sienna Plantation Levee Improvement District   | Pump Station Electrical Controls and Generator Flood Protection | \$ 1,200,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 1,200,000                                                                                             | \$ 1,478,366,108    |
| 13742             | 213                | 25.1463                 | Sienna Plantation Levee Improvement District   | 400,500 GPM Pump Station at Outfall No. 2                       | \$ 15,600,000       | 2                     | 3%                                        | \$ 468,000                                                                              | \$ 15,132,000                                                                                            | \$ 1,493,966,108    |
| 13757             | 214                | 25.1463                 | Sienna Plantation Levee Improvement District   | Atlas 14 Channel 3-4B Pipeline Culvert Replacement              | \$ 750,000          | 2                     | 3%                                        | \$ 22,500                                                                               | \$ 727,500                                                                                               | \$ 1,494,716,108    |
| 13754             | 215                | 25.1463                 | Sienna Plantation Levee Improvement District   | Atlas 14 Southern Colony Culvert Replacement                    | \$ 1,400,000        | 2                     | 3%                                        | \$ 42,000                                                                               | \$ 1,358,000                                                                                             | \$ 1,496,116,108    |
| 13743             | 216                | 25.1463                 | Sienna Plantation Levee Improvement District   | Brazos River Erosion Project                                    | \$ 15,000,000       | 2                     | 3%                                        | \$ 450,000                                                                              | \$ 14,550,000                                                                                            | \$ 1,511,116,108    |
| 13752             | 217                | 25.1463                 | Sienna Plantation Levee Improvement District   | Channel 1 Widening (Scanlan Road to Main Channel)               | \$ 2,300,000        | 2                     | 3%                                        | \$ 69,000                                                                               | \$ 2,231,000                                                                                             | \$ 1,513,416,108    |



| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                                | Project Name                                                  | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|------------------------------------------------------------|---------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13748             | 218                | 25.1463                 | Sienna Plantation Levee Improvement District               | Channel 4 Widening (Phase 5)                                  | \$ 3,055,503        | 2                     | 3%                                        | \$ 91,665                                                                               | \$ 2,963,838                                                                                             | \$ 1,516,471,611    |
| 13751             | 219                | 25.1463                 | Sienna Plantation Levee Improvement District               | Expand Working Area and Improve Access to South Pump Stations | \$ 2,600,000        | 2                     | 3%                                        | \$ 78,000                                                                               | \$ 2,522,000                                                                                             | \$ 1,519,071,611    |
| 13747             | 220                | 25.1463                 | Sienna Plantation Levee Improvement District               | Main Channel Widening along Sienna Point                      | \$ 4,500,000        | 2                     | 3%                                        | \$ 135,000                                                                              | \$ 4,365,000                                                                                             | \$ 1,523,571,611    |
| 13749             | 221                | 25.1463                 | Sienna Plantation Levee Improvement District               | Sienna Point Internal Drainage Improvements                   | \$ 3,000,000        | 2                     | 3%                                        | \$ 90,000                                                                               | \$ 2,910,000                                                                                             | \$ 1,526,571,611    |
| 13639             | 222                | 24.7189                 | Aransas Pass                                               | Stormwater Pump Station #3 (Euclid)                           | \$ 6,000,000        | 2                     | 17%                                       | \$ 1,020,000                                                                            | \$ 4,980,000                                                                                             | \$ 1,532,571,611    |
| 13572             | 223                | 24.4600                 | Sugar Land                                                 | Oyster Creek Diversion Channel and Storage Facility           | \$ 27,400,000       | 2                     | 0%                                        | \$ -                                                                                    | \$ 27,400,000                                                                                            | \$ 1,559,971,611    |
| 13545             | 224                | 23.7571                 | Harris County Flood Control District                       | C147/C547 Flood Risk Reduction Project                        | \$ 25,500,000       | 2                     | 35%                                       | \$ 8,925,000                                                                            | \$ 16,575,000                                                                                            | \$ 1,585,471,611    |
| 13622             | 225                | 23.6932                 | Cedar Park                                                 | Block House Creek                                             | \$ 6,889,665        | 2                     | 0%                                        | \$ -                                                                                    | \$ 6,889,665                                                                                             | \$ 1,592,361,276    |
| 13563             | 226                | 22.9487                 | Sansom Park                                                | Master Drainage Plan                                          | \$ 358,000          | 2                     | 4%                                        | \$ 14,320                                                                               | \$ 343,680                                                                                               | \$ 1,592,719,276    |
| 13711             | 227                | 22.8583                 | Matagorda County Conservation & Reclamation District No. 1 | Matagorda Ring Levee Drainage Structure Improvements          | \$ 2,152,700        | 2                     | 50%                                       | \$ 1,076,350                                                                            | \$ 1,076,350                                                                                             | \$ 1,594,871,976    |
| 13553             | 228                | 22.8454                 | Harris County Flood Control District                       | Greens Bayou Mid Reach                                        | \$ 49,100,000       | 2                     | 20%                                       | \$ 9,820,000                                                                            | \$ 39,280,000                                                                                            | \$ 1,643,971,976    |
| 13539             | 229                | 22.7501                 | Kingsville                                                 | Drainage Master Plan - Location 8                             | \$ 700,000          | 2                     | 43%                                       | \$ 301,000                                                                              | \$ 399,000                                                                                               | \$ 1,644,671,976    |
| 13705             | 230                | 22.7209                 | Kilgore                                                    | Drainage Master Plan                                          | \$ 475,000          | 2                     | 13%                                       | \$ 61,750                                                                               | \$ 413,250                                                                                               | \$ 1,645,146,976    |
| 13718             | 231                | 22.6934                 | Mission                                                    | Mission Drainage System                                       | \$ 100,000,000      | 2*                    | 23%                                       | \$ 23,000,000                                                                           | \$ 77,000,000                                                                                            | \$ 1,745,146,976    |
| 13660             | 232                | 22.5941                 | Diana SUD                                                  | Wastewater Treatment System Improvements                      | \$ 1,200,000        | 2                     | 9%                                        | \$ 108,000                                                                              | \$ 1,092,000                                                                                             | \$ 1,746,346,976    |
| 13677             | 233                | 22.5368                 | Grand Saline                                               | Drainage Infrastructure Improvements                          | \$ 1,000,000        | 2                     | 55%                                       | \$ 550,000                                                                              | \$ 450,000                                                                                               | \$ 1,747,346,976    |
| 13788             | 234                | 21.8120                 | El Paso County                                             | El Paso Hills Basin Repair and Stream 4 Basin (SOC1_SOC2)     | \$ 4,650,000        | 2                     | 49%                                       | \$ 2,278,500                                                                            | \$ 2,371,500                                                                                             | \$ 1,751,996,976    |
| 13706             | 235                | 20.9790                 | Los Fresnos                                                | Drainage Master Plan & Drainage Improvements                  | \$ 1,674,200        | 2                     | 25%                                       | \$ 418,550                                                                              | \$ 1,255,650                                                                                             | \$ 1,753,671,176    |
| 13712             | 236                | 20.9498                 | Mercedes                                                   | Collier Park Stormwater Pump Station                          | \$ 400,000          | 2                     | 34%                                       | \$ 136,000                                                                              | \$ 264,000                                                                                               | \$ 1,754,071,176    |
| 13715             | 237                | 20.9498                 | Mercedes                                                   | FEMA Dome Stormwater Pump Station                             | \$ 500,000          | 2                     | 34%                                       | \$ 170,000                                                                              | \$ 330,000                                                                                               | \$ 1,754,571,176    |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name                                    | Project Name                                          | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|------------------------------------------------|-------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13714             | 238                | 20.9498                 | Mercedes                                       | Union Pacific R.R. Regional Detention Facility        | \$ 750,000          | 2                     | 34%                                       | \$ 255,000                                                                              | \$ 495,000                                                                                               | \$ 1,755,321,176    |
| 13822             | 239                | 20.9498                 | Weslaco                                        | Mayor Pablo Peña Regional Detention Facility          | \$ 4,900,000        | 2                     | 25%                                       | \$ 1,225,000                                                                            | \$ 3,675,000                                                                                             | \$ 1,760,221,176    |
| 13768             | 240                | 20.9056                 | Waco                                           | Barron's Branch Buyouts                               | \$ 3,103,875        | 2                     | 44%                                       | \$ 1,365,705                                                                            | \$ 1,738,170                                                                                             | \$ 1,763,325,051    |
| 13761             | 241                | 20.8394                 | Taylor                                         | City of Taylor Drainage Mitigation Projects           | \$ 3,635,840        | 2                     | 15%                                       | \$ 545,376                                                                              | \$ 3,090,464                                                                                             | \$ 1,766,960,891    |
| 13766             | 242                | 20.8223                 | Waco                                           | Chapel Road Regional Detention Facility               | \$ 4,600,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 4,600,000                                                                                             | \$ 1,771,560,891    |
| 13632             | 243                | 20.7620                 | Angleton                                       | Angleton Drainage Improvements                        | \$ 5,796,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 5,796,000                                                                                             | \$ 1,777,356,891    |
| 13558             | 244                | 20.7338                 | Pleasanton                                     | Atascosa Flood Prevention Project                     | \$ 78,500           | 2*                    | 0%                                        | \$ -                                                                                    | \$ 78,500                                                                                                | \$ 1,777,435,391    |
| 13730             | 245                | 20.7020                 | Pasadena                                       | Golden Acres WWTP                                     | \$ 9,044,100        | 2                     | 5%                                        | \$ 452,205                                                                              | \$ 8,591,895                                                                                             | \$ 1,786,479,491    |
| 13741             | 246                | 20.5525                 | San Marcos                                     | Castle Forest Drainage Improvements                   | \$ 1,600,000        | 2                     | 35%                                       | \$ 560,000                                                                              | \$ 1,040,000                                                                                             | \$ 1,788,079,491    |
| 13703             | 247                | 20.4967                 | Jefferson County Drainage District #7          | Rodair Pump Station                                   | \$ 92,500,000       | 2                     | 5%                                        | \$ 4,625,000                                                                            | \$ 87,875,000                                                                                            | \$ 1,880,579,491    |
| 13813             | 248                | 20.4414                 | Comal County Master WID                        | River Road Low Water Crossing Improvement             | \$ 7,000,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 7,000,000                                                                                             | \$ 1,887,579,491    |
| 13812             | 249                | 20.4414                 | Comal County Master WID                        | Veramendi Regional Stormwater Detention Facility      | \$ 8,013,640        | 2                     | 0%                                        | \$ -                                                                                    | \$ 8,013,640                                                                                             | \$ 1,895,593,131    |
| 13681             | 250                | 20.4374                 | Guadalupe Blanco RA                            | Lake McQueeney Spillgate Replacement and Dam Armoring | \$ 40,000,000       | 2*                    | 0%                                        | \$ -                                                                                    | \$ 40,000,000                                                                                            | \$ 1,935,593,131    |
| 13680             | 251                | 20.4374                 | Guadalupe Blanco RA                            | Lake Placid Spillgate Replacement & Dam Armoring      | \$ 40,000,000       | 2*                    | 0%                                        | \$ -                                                                                    | \$ 40,000,000                                                                                            | \$ 1,975,593,131    |
| 13701             | 252                | 20.3916                 | Jefferson County                               | Elevating Flooded Houses                              | \$ 800,000          | 2                     | 0%                                        | \$ -                                                                                    | \$ 800,000                                                                                               | \$ 1,976,393,131    |
| 13549             | 253                | 20.2650                 | Fort Bend County                               | Project Brazos                                        | \$ 67,000,000       | 2                     | 0%                                        | \$ -                                                                                    | \$ 67,000,000                                                                                            | \$ 2,043,393,131    |
| 13671             | 254                | 20.1559                 | Fort Bend County Levee Improvement District #2 | Thelen Pump Station Increased Capacity                | \$ 5,367,313        | 2                     | 0%                                        | \$ -                                                                                    | \$ 5,367,313                                                                                             | \$ 2,048,760,444    |
| 13676             | 255                | 20.1433                 | Frisco                                         | Trails Golf Course Grade Control                      | \$ 840,000          | 2                     | 0%                                        | \$ -                                                                                    | \$ 840,000                                                                                               | \$ 2,049,600,444    |
| 13544             | 256                | 20.1433                 | Celina                                         | Legacy Drive Bridge                                   | \$ 5,111,698        | 2                     | 0%                                        | \$ -                                                                                    | \$ 5,111,698                                                                                             | \$ 2,054,712,142    |
| 13710             | 257                | 18.7453                 | Marshall                                       | Parker Creek Detention Pond                           | \$ 3,159,000        | 2                     | 35%                                       | \$ 1,105,650                                                                            | \$ 2,053,350                                                                                             | \$ 2,057,871,142    |

| Abridged<br>App # | Ranked<br>Position | Prioritization<br>Score | Entity Name    | Project Name                                                                      | Amount<br>Requested | Category <sup>1</sup> | Eligible Grant<br>Percentage <sup>2</sup> | Eligible Grant<br>Amount<br><i>Amount Requested x<br/>Eligible Grant<br/>Percentage</i> | Eligible Loan<br>Amount (or Entity's<br>Funds)<br><i>Amount Requested less<br/>Eligible Grant Amount</i> | Cumulative<br>Total |
|-------------------|--------------------|-------------------------|----------------|-----------------------------------------------------------------------------------|---------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| 13735             | 258                | 17.7670                 | Richardson     | West Fork Cottonwood Creek Watershed Study                                        | \$ 300,000          | 2                     | 0%                                        | \$ -                                                                                    | \$ 300,000                                                                                               | \$ 2,058,171,142    |
| 13529             | 259                | 16.8570                 | Garland        | Stream 2C5 Channel Improvements                                                   | \$ 14,020,000       | 2                     | 13%                                       | \$ 1,822,600                                                                            | \$ 12,197,400                                                                                            | \$ 2,072,191,142    |
| 13713             | 260                | 15.9498                 | Mercedes       | Northeastern Stormwater Detention Facility                                        | \$ 1,800,000        | 2                     | 34%                                       | \$ 612,000                                                                              | \$ 1,188,000                                                                                             | \$ 2,073,991,142    |
| 13783             | 261                | 15.8754                 | Cameron County | La Feria Irrigation District FM 107 Drainage Improvements                         | \$ 8,102,600        | 2                     | 29%                                       | \$ 2,349,754                                                                            | \$ 5,752,846                                                                                             | \$ 2,082,093,742    |
| 13678             | 262                | 15.7670                 | Greenville     | North Airport Retention Pond                                                      | \$ 3,500,000        | 2                     | 25%                                       | \$ 875,000                                                                              | \$ 2,625,000                                                                                             | \$ 2,085,593,742    |
| 13692             | 263                | 15.5074                 | New Braunfels  | Landa Park Aquatics Center Parking Lot – Green Stormwater Infrastructure Retrofit | \$ 338,559          | 2                     | 0%                                        | \$ -                                                                                    | \$ 338,559                                                                                               | \$ 2,085,932,301    |
| 13682             | 264                | 15.4620                 | Hays County    | Hays County Community Flood Mitigation                                            | \$ 238,035          | 3                     | 0%                                        | \$ -                                                                                    | \$ 238,035                                                                                               | \$ 2,086,170,336    |
| 13574             | 265                | 15.3700                 | Sugar Land     | Covington West and Imperial Woods Drainage Improvements                           | \$ 3,000,000        | 2                     | 0%                                        | \$ -                                                                                    | \$ 3,000,000                                                                                             | \$ 2,089,170,336    |
| 13786             | 266                | 14.8191                 | El Paso        | Flow Path 39A Detention                                                           | \$ 8,771,100        | 2                     | 29%                                       | \$ 2,543,619                                                                            | \$ 6,227,481                                                                                             | \$ 2,097,941,436    |
| 13524             | 267                | 13.3465                 | Alamo Heights  | Broadway Street Flood Mitigation                                                  | \$ 14,550,500       | 2                     | 0%                                        | \$ -                                                                                    | \$ 14,550,500                                                                                            | \$ 2,112,491,936    |
| 13778             | 268                | 13.0515                 | Highland Park  | Wycliffe Avenue Improvements                                                      | \$ 3,796,000        | 3                     | 0%                                        | \$ -                                                                                    | \$ 3,796,000                                                                                             | \$ 2,116,287,936    |
| 13790             | 269                | 11.7797                 | El Paso County | Flow Path Number 42 (CAN1)                                                        | \$ 1,960,000        | 2                     | 9%                                        | \$ 176,400                                                                              | \$ 1,783,600                                                                                             | \$ 2,118,247,936    |
| 13520             | 270                | 10.8176                 | Helotes        | Parragin Road Drainage Improvements                                               | \$ 317,250          | 2                     | 3%                                        | \$ 9,518                                                                                | \$ 307,732                                                                                               | \$ 2,118,565,186    |
| 13739             | 271                | 10.7864                 | San Marcos     | Wallace Addition Offsite Drainage Improvements                                    | \$ 5,800,000        | 2                     | 35%                                       | \$ 2,030,000                                                                            | \$ 3,770,000                                                                                             | \$ 2,124,365,186    |
| 13792             | 272                | 9.7790                  | Irving         | West Irving Creek Channel Improvements                                            | \$ 90,000,000       | 2                     | 14%                                       | \$ 12,600,000                                                                           | \$ 77,400,000                                                                                            | \$ 2,214,365,186    |
| 13767             | 273                | 8.9382                  | Waco           | Sharondale Drainage Improvements                                                  | \$ 3,261,910        | 2                     | 50%                                       | \$ 1,630,955                                                                            | \$ 1,630,955                                                                                             | \$ 2,217,627,096    |
| 13737             | 274                | 8.8223                  | Robinson       | North McLendon Drive Buyouts                                                      | \$ 599,430          | 2                     | 10%                                       | \$ 59,943                                                                               | \$ 539,487                                                                                               | \$ 2,218,226,526    |
| 13736             | 275                | 8.8223                  | Robinson       | Woodcock Drive Buyouts                                                            | \$ 1,764,000        | 2                     | 10%                                       | \$ 176,400                                                                              | \$ 1,587,600                                                                                             | \$ 2,219,990,526    |
| 13641             | 276                | 8.5406                  | Arlington      | Bonneville/Greenbrook Drainage Improvements                                       | \$ 5,000,000        | 2                     | 11%                                       | \$ 550,000                                                                              | \$ 4,450,000                                                                                             | \$ 2,224,990,526    |
| 13642             | 277                | 8.5406                  | Arlington      | California Lane Drainage Improvements                                             | \$ 8,500,000        | 2                     | 3%                                        | \$ 255,000                                                                              | \$ 8,245,000                                                                                             | \$ 2,233,490,526    |

| Abridged App #                    | Ranked Position | Prioritization Score | Entity Name | Project Name                                          | Amount Requested | Category <sup>1</sup> | Eligible Grant Percentage <sup>2</sup> | Eligible Grant Amount<br><i>Amount Requested x Eligible Grant Percentage</i> | Eligible Loan Amount (or Entity's Funds)<br><i>Amount Requested less Eligible Grant Amount</i> | Cumulative Total |
|-----------------------------------|-----------------|----------------------|-------------|-------------------------------------------------------|------------------|-----------------------|----------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
| 13643                             | 278             | 8.5406               | Arlington   | Harvest Hills Channel and Drainage Improvements       | \$ 14,000,000    | 2                     | 5%                                     | \$ 700,000                                                                   | \$ 13,300,000                                                                                  | \$ 2,247,490,526 |
| 13644                             | 279             | 8.5406               | Arlington   | Randol Mill (Cooper to Collins)                       | \$ 8,400,000     | 2                     | 33%                                    | \$ 2,772,000                                                                 | \$ 5,628,000                                                                                   | \$ 2,255,890,526 |
| 13645                             | 280             | 8.5406               | Arlington   | Stream CC2 Drainage Improvements                      | \$ 4,000,000     | 2                     | 5%                                     | \$ 200,000                                                                   | \$ 3,800,000                                                                                   | \$ 2,259,890,526 |
| 13733                             | 281             | 5.7670               | Richardson  | Cottonwood Creek Headwaters Drainage Improvements     | \$ 15,870,000    | 2                     | 0%                                     | \$ -                                                                         | \$ 15,870,000                                                                                  | \$ 2,275,760,526 |
| 13734                             | 282             | 5.7670               | Richardson  | N. Plano Road Culvert Improvements at Huffhines Creek | \$ 2,350,000     | 2                     | 0%                                     | \$ -                                                                         | \$ 2,350,000                                                                                   | \$ 2,278,110,526 |
| 13646                             | 283             | 5.5406               | Arlington   | VC(A)-1 Drainage and Erosion Improvements             | \$ 3,800,000     | 2                     | 5%                                     | \$ 190,000                                                                   | \$ 3,610,000                                                                                   | \$ 2,281,910,526 |
| 13657                             | 284             | 0.7670               | Dallas      | Modified Dallas Floodway                              | \$ 91,985,000    | 3                     | 40%                                    | \$ 23,100,000 <sup>3</sup>                                                   | \$ 68,885,000                                                                                  | \$ 2,373,895,526 |
| 13658                             | 285             | 0.7670               | Dallas      | Modified Dallas Floodway Extension                    | \$ 16,672,250    | 2                     | 15%                                    | \$ 2,500,838                                                                 | \$ 14,171,412                                                                                  | \$ 2,390,567,776 |
| Total Requested: \$ 2,390,567,776 |                 |                      |             |                                                       |                  |                       |                                        | \$ 389,718,658                                                               | \$ 2,000,849,118                                                                               | \$ 2,390,567,776 |

Notes:

<sup>1</sup> As determined by the TWDB, subject to revision upon further review. An asterisk next to a project's Category number indicates a change from the Category indicated on the abridged application.

<sup>2</sup> As determined by the TWDB, subject to revision upon further review. Census data provided by the applicant was substituted with TWDB calculations as necessary.

<sup>3</sup> The maximum grant amount per project is \$23,100,000

Ineligible to Proceed

| Abridged App # | Entity Name                    | Project Name                                            | Amount Requested | Category | Reason for Determination                                                                                                                                      |
|----------------|--------------------------------|---------------------------------------------------------|------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13624          | Houston-Galveston Area Council | Greater Houston Smart Watershed Management & Mitigation | \$ 3,600,000     | 2*       | The project was proposed under Category 1, but TWDB determined it falls under Category 2. Councils of Government are only eligible to apply under Category 1. |



# SFY 2020 Flood Project Abridged Application

**Due June 15, 2020 at 5:00 p.m.**  
**Email to [FIF@twdb.texas.gov](mailto:FIF@twdb.texas.gov)**

By submitting this Abridged Application, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit a complete Abridged Application by the stated deadlines, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the Abridged Application without review.

## GENERAL INFORMATION

|                                                                                         |       |                                                                |
|-----------------------------------------------------------------------------------------|-------|----------------------------------------------------------------|
| Entity Name                                                                             |       |                                                                |
| City of Weslaco                                                                         |       |                                                                |
| Entity Type                                                                             |       |                                                                |
| Municipality                                                                            |       |                                                                |
| Contact<br>Who should TWDB contact with questions during the review of this submission? | Name  | Andrew Munoz                                                   |
|                                                                                         | Title | Asst. City Manager                                             |
|                                                                                         | Phone | 956-968-3181                                                   |
|                                                                                         | Email | <a href="mailto:amunoz@weslacotx.gov">amunoz@weslacotx.gov</a> |
|                                                                                         |       |                                                                |

## PROJECT INFORMATION

|                                                                                            |                                                                                                                                         |                                                                                             |                                                                                                                    |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Project Name                                                                               | Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park – Phase 1 Project                                                |                                                                                             |                                                                                                                    |
| Amount Requested from TWDB                                                                 | \$ 3,002,627                                                                                                                            |                                                                                             |                                                                                                                    |
| Financing from Federal Sources                                                             | \$ 1,300,000                                                                                                                            |                                                                                             |                                                                                                                    |
| (if receiving federal funds, include the federal agency and program)                       | FEMA Hazard Mitigation Grant Program (HMGP)                                                                                             |                                                                                             |                                                                                                                    |
| Financing from Other Sources                                                               | \$ 0                                                                                                                                    |                                                                                             |                                                                                                                    |
| Total Project Cost<br>(Check here if requesting loan funds only <input type="checkbox"/> ) | \$4,302,627                                                                                                                             |                                                                                             |                                                                                                                    |
| Category Applied For                                                                       |                                                                                                                                         |                                                                                             |                                                                                                                    |
| <input type="checkbox"/><br><u>Category 1</u><br>Flood Protection Plans<br>Watersheds      | <input type="checkbox"/><br><u>Category 2</u><br>Planning, Acquisition, and Design, Construction /<br>Rehabilitation (All combinations) | <input checked="" type="checkbox"/><br><u>Category 3</u><br>Federal Award<br>Matching Funds | <input type="checkbox"/><br><u>Category 4</u><br>Measures immediately effective in<br>protecting life and property |

## MINIMUM STANDARDS

|                                                                                          |                                     |                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Only projects that satisfy all minimum standards will be included in the prioritization. | <input checked="" type="checkbox"/> | 1. For applicable projects, the benefit-cost ratio of the proposed project is >1.0 or an explanation is provided.                                                                                                                                                                                                                                       |
|                                                                                          | <input checked="" type="checkbox"/> | 2. For applicable projects, a proposed MOU and a project description was provided to all eligible political subdivisions and the list of political subdivisions that received this information is attached to the abridged application.                                                                                                                 |
|                                                                                          | <input checked="" type="checkbox"/> | 3. The applicant has acted cooperatively with other political subdivisions to address flood control needs in the area in which the eligible political subdivisions are located; and all eligible political subdivisions substantially affected by the proposed flood project have participated in the process of developing the proposed flood project. |
|                                                                                          | <input checked="" type="checkbox"/> | 4. The funding request does not include redundant funding for activities already performed and/or funded through another source.                                                                                                                                                                                                                        |
|                                                                                          | <input checked="" type="checkbox"/> | 5. a. The area to be served by the proposed project has floodplain ordinances in place and is currently enforcing floodplain management standards at least equivalent to National Flood Insurance Program (NFIP) minimum standards.<br>OR                                                                                                               |
|                                                                                          | <input type="checkbox"/>            | 5. b. Requesting funds to fulfill additional requirements for participation in the National Flood Insurance Program.                                                                                                                                                                                                                                    |
|                                                                                          | <input checked="" type="checkbox"/> | 6. The proposed project was developed using the best and most recent available data.                                                                                                                                                                                                                                                                    |
|                                                                                          | <input checked="" type="checkbox"/> | 7. a. (Construction applicants only) Operations and maintenance costs associated with proposed facilities have been considered.                                                                                                                                                                                                                         |
|                                                                                          | <input type="checkbox"/>            | 7. b. (Construction applicants only) Floodwater capture techniques have been considered.                                                                                                                                                                                                                                                                |

## DESCRIPTION OF PROPOSED PROJECT

This Drainage project is needed to alleviate the flooding hazard that exists in the area south of I-2, north of Business 83, east of Border Avenue and west of Airport Boulevard in Weslaco, Texas. Generally, the project area is located at Mayor Pablo Peña Park and extends along Agostadero Street from the Park west to Sinclair Avenue. The existing storm drainage system is undersized and choked at the outfall, causing the area to flood. The existing outfall is a channel on the north side of Mayor Pablo Peña Park. As part of the City's cost share portion, the City is currently designing a regional detention facility at the Mayor Pablo Peña Park and intends to construct that portion of this project with in-house forces. This new park will house the overflow from the adjacent outfall channel to its north. Attachment RFI #2-2 is attached and shows the project area and project elements. The hydrologic and hydraulic model for this system shows that for a 100-year event, 1,217 houses in this area are in the floodplain.

The project area has been subject to repetitive flooding. The most recent severe storms that caused flooding to occur happened on June 20 - 22, 2018, with storm waters remaining in the area for the next three days. FEMA declared Disaster DR-4377 as a result of this storm on July 6, 2018. A model of the existing drainage system was developed for this area using InfoWorks Integrated Catchment Models (ICM) software that integrates hydrologic analysis with a 2D mesh. The benefit of using a fully integrated 2D hydraulic model is to simulate an accurate representation of how the hydrology (storm water volume) interacts with the hydraulics (drainage conveyance system) within one model. The InfoWorks ICM model was used to identify the location and severity of flooding in areas under existing conditions and to evaluate potential solutions to reduce flooding. Halff modeled the proposed improvements in the ICM software to evaluate the effects of the improvements and made adjustments to the proposed design to achieve maximum benefit. The resulting proposed conditions analysis provides the City of Weslaco with a model-backed project approach that identifies the most crucial and immediate needs for the area of concern. The proposed improvements would remove 169 structures from the 100-year flood plain.

The proposed solution for the project includes the following major drainage improvements:

- 1) Construction of a 20 Acre detention pond (City's Cost Share portion);
- 2) 600 linear foot weir structure at the proposed detention pond's north bank;
- 3) Construction of a 48-inch outfall structure with a flap gate at the detention pond;
- 4) 1,900 linear feet of channel widening (11,000 cubic yards);
- 5) New headwall structure at the RCB outfall in the ditch;
- 6) 2,800 linear feet of 8' x 6' reinforced Concrete Box Culverts along Agostadero Street;
- 7) 24-Type C Curb Inlets along Agostadero Street;
- 8) 4 junction boxes along the RCB alignment; and
- 9) 5,100 square yards of pavement repair along Agostadero Street.
- 10) Mobilization to the site, including clearing site of debris and job site prep.
- 11) Utility adjustments, as needed during construction

## INFORMATION FOR GRANT FUNDING

Provide information for the applicable level of grant funding:

Category 1:

Study area AMHI (weighted average based on population)-\$\_\_\_\_\_

(Optional – attached a copy of federal disaster declaration – flood related within the last 60 months)

Categories 2, 3, and 4

- For consideration of being outside MSA: Project is entirely located outside of an MSA - Yes \_\_\_\_ or No **X**
- Project area AMHI (weighted average based on population)-\$ **34,539**
- Project area Unemployment Rate (weighted average based on population)- **3.33** %
- Project area Population Decline (if any) (based on sum of the population in the project areas)- **4.3** %
- For consideration of being an Rural Applicant: All entities within the project benefit area are outside MSAs and have populations <10,000; or the applicant is a district or municipality with a service area of 10,000 or less in population; or located in a county in which no urban area exceeds 50,000 in population - Yes \_\_\_\_ or No **X**
- For consideration of being a Green or Nature-Based project: Percentage of total project costs that are considered green or nature-based- **2** % (attach the calculation)

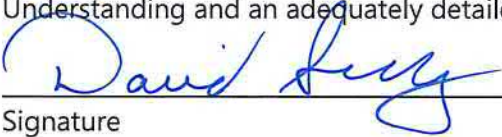
**Note:** If requesting grant funds that rely on a calculation of the AMHI, Unemployment Rate, or Population Decline then attach the calculation of the weighted average amounts for the project area based on the applicable U.S. Census Bureau geographic areas such as County, Place (City), Census Tract, or Block Group using the ACS data sources described in the IUP.



## PRIORITIZATION CRITERIA

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Rural Applicant</b></p> <p>All entities within the project benefit area are (a) outside MSAs and have populations &lt;10,000; or (b) a district or municipality with a service area of 10,000 or less in population; or (c) a county in which no urban area exceeds 50,000 in population.</p>                                                                                                                                                                                        | <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Yes</span> <span><input checked="" type="checkbox"/> No</span> </div> <p><i>(Please attach a list of all entities in the project benefit area and U.S. Census Bureau 2014-2018 American Community Survey (ACS) 5-year estimates data indicating the population of each area.)</i></p>                                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>Emergency Need Due to Recent or Imminent Failure or recent Flood-related Disaster Declarations.</b></p> <p>A need exists for flood hazard mitigation actions to address a clear and imminent threat to public health, safety, and welfare or property due to recent or imminent failure of existing flood infrastructure or flood-related federal or state disaster declarations within the most recent 36 months that would be significantly mitigated by the proposed project.</p> | <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <input type="checkbox"/><br/>             Yes, due to a recent failure.         </div> <div style="text-align: center;"> <input type="checkbox"/><br/>             Yes, due to imminent failure.         </div> <div style="text-align: center;"> <input checked="" type="checkbox"/><br/>             Yes, recent flood-related disaster declaration for the proposed project area<br/><br/>             DR-4332 – 8-25-17<br/>             DR-4377 – 7-6-18<br/>             DR-4454 – 7-17-19         </div> <div style="text-align: center;"> <input checked="" type="checkbox"/><br/>             No         </div> </div> |
| <p><b>Distributed Benefits</b></p> <p>Is the project expected to directly benefit or include the active participation of jurisdictions other than the applicant?</p>                                                                                                                                                                                                                                                                                                                       | <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Yes</span> <span><input type="checkbox"/> No</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Estimated Completion Date</b></p> <p>When would all project phases expected to be complete, assuming funds for the project are closed on in Fall of the current year?</p>                                                                                                                | <div> <input checked="" type="checkbox"/> Within 18 months of closing         <input type="checkbox"/> Within 36 months of closing         <input type="checkbox"/> Other       </div> |
| <p><b>Construction Projects Only (Including PAD plus Construction combined)</b></p> <p>Project is anticipated to result in an integral, reliable, and quantifiable water supply benefit to a specific water user group with an identified need. May include groundwater recharge benefits.</p> | <div> <input type="checkbox"/> Yes Check Groundwater         <input checked="" type="checkbox"/> No       </div>                                                                       |
| <p><b>Construction Projects Only (Including PAD plus Construction combined)</b></p> <p>How many structures are anticipated to be removed from floodplains as a result of the proposed project?</p>                                                                                             | <p>169 Structures from 100-year Flood Plain</p>                                                                                                                                        |
| <p><b>Non-structural flood mitigation elements</b></p> <p>Non-structural flood mitigation elements constitute at least 20 percent of the total project costs.</p>                                                                                                                              | <p>\$100,000 – 2%</p>                                                                                                                                                                  |

|                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Tiebreaker:</b></p> <p><b>Social Vulnerability Index (SVI)</b></p>                                                                            | <p>Average SVI of benefitting area: <b>0.9158</b></p> <p>Geographic basis:<br/> <input checked="" type="checkbox"/> Census Tracts                      <input type="checkbox"/> Counties</p> <p><i>Please attach a list of the selected geographies and an explanation of why they were selected.</i></p>                                                                                                                                                                                                                 |
| <p><b>Certification on MOUs</b><br/> <b>(if MOUs will be required)</b></p> <p>If no MOUs will be required, check here: <input type="checkbox"/></p> | <p>I, <u>DAVID SUAREZ</u> (Name),<br/> serving as <u>MAYOR</u> (Title)<br/> hereby certify that <u>CITY OF WESLACO</u> (Applicant)<br/> has provided all eligible political subdivisions that will be required to submit a Memorandum of Understanding a copy of their proposed Memorandum of Understanding and an adequately detailed description of the proposed project.</p> <p><br/> Signature</p> <p><u>6/05/2020</u><br/> Date</p> |

## ADDITIONAL INFORMATION FOR THE FLOOD INFORMATION CLEARINGHOUSE COMMITTEE

Responses to questions 1 through 7, along with other information included in this abridged application, will be shared with the Flood Information Clearinghouse Committee (FLICC), a new cooperative effort between the TWDB, General Land Office, Texas Division of Emergency Management, and other state and federal agencies that administer flood mitigation financial assistance programs. After review by the FLICC, the applicant may be advised of other available source(s) of funding.

|                                                                                                                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Type of Assistance Requested (Check all that apply):                                                                                           | <input type="checkbox"/> Low Interest Loan<br><input type="checkbox"/> Grant<br><input checked="" type="checkbox"/> Loan/Grant Combination<br><input checked="" type="checkbox"/> Local Match for Federal Funding |
| If requesting funds for the local cost share of a federally funded project, the name of the program:                                              | FEMA Hazard Mitigation Grant Program (HMGP)                                                                                                                                                                       |
| 2. County(ies) in which the project is located:                                                                                                   | Hidalgo                                                                                                                                                                                                           |
| 3. (If applicable) Associated FEMA disaster name and number:                                                                                      | Texas Severe Storms and Flooding (DR-4332) – 8-25-17<br>Texas Severe Storms and Flooding (DR-4377) – 7-6-18<br>Texas Severe Storms and Flooding (DR-4454) – 7-17-19                                               |
| 4. Does the applicant have an approved Mitigation Action Plan?                                                                                    | No. Have a FEMA recognized waiver of extraordinary circumstances.                                                                                                                                                 |
| 5. Is the community to be served by the project in good standing with the National Flood Insurance Program?                                       | YES                                                                                                                                                                                                               |
| 6. Will this project involve enlargement of a dam or levee beyond the original footprint of the structure that existed prior to a disaster event? | No                                                                                                                                                                                                                |
| 7. Will this project mitigate a repetitive or severe repetitive loss property?                                                                    | YES                                                                                                                                                                                                               |



## CERTIFICATION ON ENFORCING FLOODPLAIN MANAGEMENT STANDARDS

|                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Certification on enforcing floodplain management standards</b></p> <p>Exception:<br/>The only exception is an entity that is requesting FIF funding to fulfill additional requirements for participation in the National Flood Insurance Program. If this is the situation, check here: <input type="checkbox"/></p> | <p>I, <u>Rebekah Marie de la Fuente</u> (Name),<br/>serving as <u>Planning &amp; Code Enforcement Director</u> (Title)</p> <p>hereby certify that<br/><u>City of Weslaco</u> (Appropriate entity for area to be served by the project)</p> <p>is currently enforcing floodplain management standards at least equivalent to National Flood Insurance Program (NFIP) minimum standards, but it may exceed the NFIP minimum standard.</p> <p><br/>_____<br/>Signature</p> <p><u>6/5/20</u><br/>_____<br/>Date</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## ATTACHMENT CHECKLIST

| <input checked="" type="checkbox"/> | <u>N/A</u>                          | <u>Attachment Description</u>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | List of entities receiving the proposed MOU and project description                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Benefit-Cost Ratio required information.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Documentation indicating the best/most recent data was used in the development of the proposed project.                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Documentation demonstrating the area to be served by the proposed project has floodplain ordinances in place and the appropriate entity has certified that it is currently enforcing floodplain management standards at least equivalent to National Flood Insurance Program (NFIP) minimum standards. (The only exception is an entity that is requesting FIF funding to fulfill the requirements for participation in the National Flood Insurance Program.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | If requesting grant funds that rely on a calculation of the AMHI, Unemployment Rate, or Population Decline then attach the calculation of the weighted average amounts for the project area based on the applicable U.S. Census Bureau geographic areas such as County, Place (City), Census Tract, or Block Group and the ACS data sources described in the IUP.                                                                                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | If requesting prioritization points for "Rural Applicant", a list of all entities in the project benefit area and U.S. Census Bureau 2014-2018 American Community Survey (ACS) 5-year estimates data indicating the population of each area.                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | (If applying for matching funds) Documentation of an existing federal award pending availability of local match.                                                                                                                                                                                                                                                                                                                                               |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | (If the project involves property acquisitions) Documentation supporting the determination that acquisitions are the best solution and the properties are a high risk.                                                                                                                                                                                                                                                                                         |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | (Construction projects) Description of the anticipated funding source for operations and maintenance costs.                                                                                                                                                                                                                                                                                                                                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | (Construction projects) Map and description of area benefitting from the proposed project, including a list of all benefitting political subdivisions.                                                                                                                                                                                                                                                                                                         |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | (If applicable) Documentation of recent or imminent infrastructure failure causing an emergency need or a flood-related federal or state disaster declaration within the most recent 36 months that would be significantly mitigated by the proposed project.                                                                                                                                                                                                  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | List and explanation of geographies used to determine average SVI.                                                                                                                                                                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Certification on enforcing floodplain management standards for all applicable areas                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Additional Information for the Flood Information Clearinghouse Committee                                                                                                                                                                                                                                                                                                                                                                                       |

# City of Weslaco

*"The City on the Grow"*



David Suarez, Mayor  
Letty Lopez, Mayor Pro-Tem, District 5  
Leo Muñoz, Commissioner, District 1  
Greg Kerr, Commissioner, District 2  
Jose "J.P." Rodriguez, Commissioner, District 3  
Adrian Farias, Commissioner, District 4  
Josh Pedraza, Commissioner, District 6

Mike R. Perez, City Manager

June 5, 2020

Honorable Richard Cortez  
County Judge  
Hidalgo County  
100 E. Cano St., 2<sup>nd</sup> Floor  
Edinburg, TX 78539

Re: City of Weslaco Application  
For Texas Water Development Board's Flood Infrastructure Fund Program  
Kansas and Los Torritos Drainage Project

Honorable Judge,

The City of Weslaco will be applying for funding to the Texas Water Development Board's Flood Infrastructure Funding ("FIF") Program for the Kansas and Los Torritos Drainage Project.

For your reference, the project's water shed is located within Hidalgo County and includes portions of the City of Weslaco. See Exhibit 1 for project Description and Map.

The FIF Rules indicate that all governmental entities within the project watershed shall be presented with a copy of the attached Memorandum of Understanding ("MOU"). See Exhibit 2. The attached MOU does not have to be executed at this time. If the City of Weslaco's application is selected to the next round of the FIF Program, we will be requesting the Hidalgo County Drainage District No. 1 and the Hidalgo County Commissioners' Court to approve the MOU.

The City of Weslaco and Hidalgo County have provided valuable input regarding this project. Your comments and feedback helped shape the project to better serve our region and community.

The City of Weslaco looks forward to continuing working collaboratively with the Hidalgo County Drainage District No. 1 and Hidalgo County to mitigate flooding in our region and to safeguard the health and safety of our community.

As always, please feel free to contact us anytime if you have any comments or questions.

Best regards,

David Suarez, Mayor  
City of Weslaco

CC: Weslaco City Commission  
Mike R. Perez, City Manager

**TEXAS WATER CODE SECTION 15.005 MEMORANDUM OF UNDERSTANDING**

This is a Memorandum of Understanding (MOU) between the City of Weslaco (the “City of Weslaco”) and the Board of Hidalgo County Drainage District No. 1 (the “HCDD1”), and the Commissioner’s Court of Hidalgo County, Texas (“the Hidalgo County”).

**WHEREAS**, pursuant to Texas Water Code § 15.005 and 31 Texas Administrative Code § 363.408, if the Executive Administrator determines that an application has flood control as one of its purposes and that the watershed in which the project is located is partially located outside the political subdivision making the application, the applicant must submit a written memorandum of understanding relating to the management of the watershed in which the project is to be located, signed by all governing bodies of eligible political subdivisions located in the project watershed; and

**WHEREAS**, the City of Weslaco has filed an application with the Texas Water Development Board for funding a project that has flood control as one of its purposes; and

**WHEREAS**, the City of Weslaco has determined that the watershed in which the project is located is partially located within the jurisdiction of Hidalgo County and the HCDD1; and

**NOW THEREFORE**, in consideration of the benefits to the Nueces-Rio Grande Watershed and the State of Texas, the City of Weslaco and the HCDD1 and Hidalgo County agree to the following:

1. The City of Weslaco will provide QUARTERLY progress updates to the HCDD1 and Hidalgo County as the project develops and changes.
2. The City of Weslaco will notify the HCDD1 and Hidalgo County of any potential change in impacts to the HCDD1 and Hidalgo County within the QUARTER of the identified change.
3. The HCDD1 and Hidalgo County will provide constructive input to the City of Weslaco as the project develops and changes.
4. The City of Weslaco and the HCDD1 and Hidalgo County will work cooperatively for the management of the Nueces-Rio Grande Watershed.



EXHIBIT 2

---

David Suarez, Mayor  
City of Weslaco

---

Richard Cortez, Chairman of Board  
Hidalgo County Drainage District No. 1

---

Richard Cortez, County Judge  
Hidalgo County, Texas

## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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#### **ENTITIES RECEIVING THE PROPOSED MOU AND PROJECT DESCRIPTION**

1. City of Weslaco
2. Hidalgo County
3. Hidalgo County Drainage District No. 1

## **TWDB FIF - CATEGORY 3**

**HIDALGO COUNTY, TEXAS  
CITY OF WESLACO**

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### **BENEFIT COST RATIO**

The Benefit Cost Ratio analysis used was FEMA BCA toolkit version 5.3. It is in the following attachment:

20 Mar 2020

Project: **2020 City of Weslaco - Kansas &  
Los Torritos Drainage  
Improvements**

Pg 1 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Halff Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

**Project Summary:**

Project Number: 5

Disaster #: FEMA-4377-DR-TX

Program: HMGP

Agency: Halff Associates

Analyst: Russell Limas

Discount Rate: 0.070

Point of Contact: Russell Limas

Phone Number: 9564455243

Address: 5000 West Military Highway, McAllen, Texas, 78503

Email: rlimas@halff.com

Comments:

**Structure Summary For:**

2020 Project 5 - Combined Buildings, Weslaco, Texas, 78596, Hidalgo

Structure Type: Building

Historic Building: No

Contact:

Benefits: \$5,623,951

Costs: \$4,734,613

BCR: 1.19

| Mitigation           | Hazard                      | BCR  | Benefits    | Costs       |
|----------------------|-----------------------------|------|-------------|-------------|
| Drainage Improvement | Damage-Frequency Assessment | 1.19 | \$5,623,951 | \$4,734,613 |



20 Mar 2020

Project: **2020 City of Weslaco - Kansas &  
Los Torritos Drainage  
Improvements**

Pg 2 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Half Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

**Structure and Mitigation Details For:** 2020 Project 5 - Combined Buildings, Weslaco, Texas, 78596, Hidalgo

Benefits: \$5,623,951

Costs: \$4,734,613

BCR: 1.19

Hazard: **Damage-Frequency Assessment - Flood**

Mitigation Option: Drainage Improvement

Latitude:

Longitude:

Project Useful Life: 30

### Mitigation Information

Basis of Damages: Expected Damages

Number of Damage Events: 1200

Number of Events with Known Recurrence

Intervals: 1200

20 Mar 2020

Project: **2020 City of Weslaco - Kansas &  
Los Torritos Drainage  
Improvements**

Pg 3 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Half Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

**Expected Damages Before and After Mitigation**

Analysis Year: 2020

Analysis Duration: 37

Utilities (\$/day):

Year Built: 1984

User Input Analysis Duration:

Buildings (\$/day):

Roads/Bridges (\$/day):

**Damages Before Mitigation**

Damage Year:

RI: 10.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$31,246,898 |
| Total                  | \$31,246,898 |
| Total Inflated         |              |

**Damages After Mitigation**

RI: 10.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$28,632,490 |
| Total                  | \$28,632,490 |

**Volunteers Cost**

Number of Volunteers Required:

Cost of Volunteers Time (\$/Hour/Person):

Per-Person Cost of Lodging for a Volunteer:

Number of Hours Volunteered/Person:

Number of Days Lodging/Volunteer:

Cost of Volunteers:

RI: 50.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$36,898,840 |
| Total                  | \$36,898,840 |

Total Benefits: **\$5,623,951**Total Costs: **\$4,734,613**BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Half Associates**State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

Damage Year:

RI: 50.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$42,973,909 |
| Total                  | \$42,973,909 |
| Total Inflated         |              |

RI: 100.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$42,973,909 |
| Total                  | \$42,973,909 |

**Volunteers Cost**

Number of Volunteers Required:

Cost of Volunteers Time (\$/Hour/Person):

Per-Person Cost of Lodging for a Volunteer:

Number of Hours Volunteered/Person:

Number of Days Lodging/Volunteer:

Cost of Volunteers:

RI: 500.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$55,124,047 |
| Total                  | \$55,124,047 |

Damage Year:

RI: 100.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$49,048,978 |
| Total                  | \$49,048,978 |
| Total Inflated         |              |

**Volunteers Cost**

Number of Volunteers Required:

Cost of Volunteers Time (\$/Hour/Person):

Per-Person Cost of Lodging for a Volunteer:

Number of Hours Volunteered/Person:

Number of Days Lodging/Volunteer:

Cost of Volunteers:

20 Mar 2020

Project: **2020 City of Weslaco - Kansas & Los Torritos Drainage Improvements**

Pg 5 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-DR-TX

Program: HMGP

Agency: **Half Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

Damage Year:

RI: 500.00

Are Damages In Current Dollars? Yes

Buildings (Days):

Utilities (Days):

Roads (Days):

|                        |              |
|------------------------|--------------|
| Total Damage Cost (\$) | \$61,199,116 |
| Total                  | \$61,199,116 |
| Total Inflated         |              |

### Volunteers Cost

Number of Volunteers Required:

Cost of Volunteers Time (\$/Hour/Person):

Per-Person Cost of Lodging for a Volunteer:

Number of Hours Volunteered/Person:

Number of Days Lodging/Volunteer:

Cost of Volunteers:

## Social Benefits

### Mental Stress and Anxiety

Number of Person: 0

Treatment Costs per person: \$2,443.00

Total Mental Stress and Anxiety Cost: \$0.00

### Lost Productivity

Number of Worker: 0

Productivity Loss per person: \$8,736.00

Total Lost Productivity Cost: \$0.00

## Environmental Benefits

### Land Use

Total Project Area (Acres): 0.00000000

| Parcel Type | % of Parcel Type Being Used | \$/Acre/Year |
|-------------|-----------------------------|--------------|
|             | 0%                          | \$0          |

## BCR Calculation Results



20 Mar 2020

Project: **2020 City of Weslaco - Kansas &  
Los Torritos Drainage  
Improvements**

Pg 6 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Halff Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

Expected Annual Damages Before  
Mitigation

Expected Annual Damages After  
Mitigation

Expected Avoided Damages After  
Mitigation (Benefits)

Annual: \$3,951,349

Present Value: \$49,032,452

Annual: \$3,498,135

Present Value: \$43,408,501

Annual: \$453,214

Present Value: \$5,623,951

Mitigation Benefits: \$5,623,951

Mitigation Costs: \$4,734,613

Benefits Minus Costs: \$889,338

Benefit-Cost Ratio: 1.19

### Cost Estimate

Project Useful Life (years): 30

Construction Type:

Mitigation Project Cost: \$4,302,625

Detailed Scope of Work: Yes

Annual Project Maintenance Cost: \$0

Detailed Estimate for Entire Project: Yes

Final Mitigation Project Cost: \$4,734,613

Years of Maintenance: 30

Cost Basis Year: 2018

Present Worth of Annual Maintenance Costs: \$0

Construction Start Year: 2019

Estimate Reflects Current Prices: No

Construction End Year: 2021

Project Escalation: \$431,988

### Justification/Attachments

20 Mar 2020

Project: **2020 City of Weslaco - Kansas &  
Los Torritos Drainage  
Improvements**

Pg 7 of 7

Total Benefits: **\$5,623,951**

Total Costs: **\$4,734,613**

BCR: **1.19**

Project Number: 5

Disaster #: FEMA-4377-  
DR-TX

Program: HMGP

Agency: **Halff Associates**

State: **Texas**

Point of Contact: Russell Limas

Analyst: Russell Limas

| Field                                        | Description                                                                                                                                                                                                                           | Attachments                                                        |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Expected damages before mitigation           | Refer to attached calculations which contains the expected damage summary for all the properties combined into a single property. All the highlighted elements were derived from the RAW DATA previously attached under "Year Built". | Calculations - 2020 City of Weslaco - Kansas and Los Torritos.xlsx |
| Mitigation Project Cost                      | See Attached Cost Estimate.                                                                                                                                                                                                           | Cost Estimate - 2020 City of Weslaco - Kansas and Los Torritos.pdf |
| Project useful life                          | Standard FEMA value for Culverts.                                                                                                                                                                                                     |                                                                    |
| Unknown Frequency - Damages after Mitigation | Refer to previous attached calculations.                                                                                                                                                                                              |                                                                    |
| Year Built                                   | Refer to RAW DATA attached for information on properties.                                                                                                                                                                             | Raw Data - 2020 City of Weslaco - Kansas and Los Torritos.xlsx     |

## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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**Documentation indicating the best/most recent data was used  
in the development of the proposed project.**

The data used for this project was updated as recent as March 19, 2020 in the Attached RFI #2-3 of the FEMA HMGP Application. Also, the Census data used was as provided by TWDB website for the FIF application.

### **REVISED SCOPE OF WORK**

*Revisions noted in blue.*

#### **Introduction:**

This Drainage project is needed to alleviate the flooding hazard that exists in the area south of I-2, north of Business 83, east of Border Avenue and west of Airport Boulevard in Weslaco, Texas. Generally, the project area is located at Mayor Pablo Peña Park and extends along Agostadero Street from the Park west to Sinclair Avenue. The existing storm drainage system is undersized and choked at the outfall, causing the area to flood. The existing outfall is a channel on the north side of Mayor Pablo Peña Park. *As part of the City's cost share portion, the City is currently designing a regional detention facility at the Mayor Pablo Pena Park and intends to construct that portion of this project with in-house forces.* This new park will house the overflow from the adjacent outfall channel to its north. Attachment RFI #2-2 is attached and shows the project area *and project elements.*

The hydrologic and hydraulic model for this system shows that for a 100-year event, **1,217** houses in this area are in the floodplain.

#### **Background:**

The project area has been subject to repetitive flooding. The most recent severe storms that caused flooding to occur happened on June 20 - 22, 2018, with storm waters remaining in the area for the next three days. FEMA declared Disaster DR-4377 as a result of this storm on July 6, 2018. A model of the existing drainage system was developed for this area using InfoWorks Integrated Catchment Models (ICM) software that integrates hydrologic analysis with a 2D mesh. The benefit of using a fully integrated 2D hydraulic model is to simulate an accurate representation of how the hydrology (storm water volume) interacts with the hydraulics (drainage conveyance system) within one model. The InfoWorks ICM model was used to identify the location and severity of flooding in areas under existing conditions and to evaluate potential solutions to reduce flooding. Halff modeled the proposed improvements in the ICM software to evaluate the effects of the improvements and made adjustments to the proposed design to achieve maximum benefit. The resulting proposed conditions analysis provides the City of Weslaco with a model-backed project approach that identifies the most crucial and immediate needs for the area of concern. The proposed improvements would **remove 169** structures from the 100-year flood plain.

#### **Project Description:**

The proposed solution for the *project* includes the following major drainage improvements:

- 1) Construction of a 20 Acre detention pond (*City's Cost Share portion*);
- 2) **600** linear foot weir structure at the proposed detention pond's *north bank*;
- 3) Construction of a 48-inch outfall structure with a flap gate at the detention pond;
- 4) 1,900 linear feet of channel widening (11,000 cubic yards);
- 5) New headwall structure *at the RCB outfall in the ditch*;
- 6) 2,800 linear feet of 8' x 6' reinforced Concrete Box Culverts *along Agostadero Street*;
- 7) 24-Type C Curb Inlets *along Agostadero Street*;
- 8) 4 junction boxes *along the RCB alignment*; and
- 9) 5,100 square yards of pavement repair *along Agostadero Street*.



- 10) Mobilization to the site, including clearing site of debris and job site prep.
- 11) Utility adjustments, as needed during construction

#### City's Cost Share Portion

Along with a monetary match to the project, the City intends to excavate the detention pond. The City owns an excavator, tractor/scrapper (grader), Dump Truck and Loader and will dedicate them to excavating the proposed detention pond. A summary of the manhours estimated to construct the detention pond is included below.

| Personnel                             | Hourly Wage | Anticipated Hours of Work on Project | Subtotal of Cost |
|---------------------------------------|-------------|--------------------------------------|------------------|
| Equipment Operator (Excavator)        | \$14.00/HR  | 2,142                                | \$29,988.00      |
| Equipment Operator (Tractor/Scraper)  | \$14.00/HR  | 2,142                                | \$29,988.00      |
| Heavy Equipment Operator (Loader)     | \$13.22/HR  | 1,514                                | \$20,015.08      |
| Heavy Equipment Operator (Dump Truck) | \$13.22/HR  | 1,514                                | \$20,015.08      |

**The above breakdown is summarized in the proposed budget as the cost for the Detention pond and weir excavation and is equal to \$100,000.**

The City would like the option to bid out the excavation activities, as needed, to see if the bid is competitive or if it is otherwise advantageous to the City.

The 30+ acre site of the proposed detention pond is currently owned and maintained by the City of Weslaco. Prior to construction, the City will relocate the five shade canopies currently located in the proposed detention pond site to another park facility within the City.

The proposed solution of the entire project removes **one hundred and sixty-nine (169)** structures from the modeled 100-year floodplain. The recommended mitigation project identified in this study is estimated to cost **\$4,302,626.83** over the assumed life (30-years) of the project and has a calculated Benefit Cost Ratio (BCR) of **1.19**, using the Federal Emergency Management Agency (FEMA) BCA Toolkit Version 5.3.

The proposed cost estimate is attached for your review ([Attachment RFI #2-4](#)).

Attached also is a copy of the BCA Report ([Attachment RFI #2-5](#)). A link with the revised BCA Tool Kit zip file is provided in the email transmittal of this RFI response.

#### **REVISED SCHEDULE:**

The project developed is planned to be completed within the required thirty-six (36) month timeline. The major milestones are outlined below:

|                                              |                             |
|----------------------------------------------|-----------------------------|
| Engineering Consultant Solicitation & Award: | April – May 2020 (2 mo.)    |
| Engineering Design:                          | May – August 2020 (3.5 mo.) |

## KANSAS & LOS TORRITOS DRAINAGE IMPROVEMENTS

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Agency Review and Permitting | June – July 2020 (2 mo.) (permit from HCCID9) |
| Bidding and Award:           | September – October 2020 (2 mo.)              |
| Construction:                | November 2020 – June 2021 (8 mo.)             |

The projects will be locally bid by the City of Weslaco. The bid packages will have advertised postings for two consecutive weeks in a widely-read, local newspaper. Received sealed bids will be opened and read aloud at the announced place, date and time. Bidders will be vetted, and an award will be made to the lowest, responsive, responsible bidder. After all required paperwork, insurances, and contracts have been executed, a notice to proceed will be issued to the contractor.

### **BUDGET INFORMATION:**

**Total Project Costs:**     \$ 4,302,627

**Applicants Cost Share:** \$ 3,002,627

**Federal Amount:**         \$ 1,300,000

### **BENEFIT COST ANALYSIS**

**Total Project Costs:**             \$ 4,734,613

**Total Value of Project Benefits:** \$ 5,623,951

**Benefit Cost Ratio:**               1.19

## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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#### **DOCUMENTATION DEMONSTRATING FLOODPLAIN ORDINANCES ARE IN PLACE**

The following attachment is the City's Code of Ordinances Chapter 54 -Flood Hazzard Prevention which shows that the City is compliant with having Floodplain ordinances in place.

## Chapter 54 - FLOOD HAZARD PREVENTION<sup>[1]</sup>

### Footnotes:

--- (1) ---

**State Law reference**— Local governments must adopt ordinances necessary for jurisdiction to qualify for National Flood Insurance Program, V.T.C.A., Water Code § 16.3145; political subdivision to comply with federal requirements, V.T.C.A., Water Code § 16.315.

#### Sec. 54-1. - Authority.

This chapter is adopted under the authority of the constitution and laws of the state. The legislature of the state has in V.T.C.A., Water Code § 16.319, delegated the responsibility to the city to adopt regulations designed to minimize flood losses.

(Code 1969, § 13½-2; Ord. No. 87-13, § 2, 5-5-1987)

#### Sec. 54-2. - Purpose.

The purpose of this chapter is to promote the public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- (1) Protect human life and health;
- (2) Minimize the expenditure of public money for costly flood control projects;
- (3) Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- (4) Minimize prolonged business interruptions;
- (5) Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains;
- (6) Help maintain a stable tax base by providing for the sound use and development of floodprone areas in such a manner as to minimize future flood blight areas; and
- (7) Ensure that potential buyers are notified that the property is in a flood area.

(Code 1969, § 13½-3; Ord. No. 87-13, § 3, 5-5-1987)

#### Sec. 54-3. - Definitions.

For the purpose of this chapter the following terms, phrases, words, and their derivations shall have the meaning ascribed to them in this section. When not inconsistent with the context, words used in the present tense shall include the future; words in the plural include the singular. The word "shall" is always mandatory while the word "may" is merely discretionary. Those words not expressly prescribed herein are to be construed in accordance with the subdivision regulation ordinance, zoning ordinance, or other applicable ordinance of the city, or in the absence of such ordinances, then in accordance with customary usage in municipal planning and engineering practices.

*Appeal* means a request for a review of the urban development department interpretation of any provision of this chapter or a request for a variance.



*Area of shallow flooding* means a designated AO zone on a community's flood insurance rate map (FIRM) with base depths from one to three feet. This condition occurs where a clearly defined channel does not exist, where the path of flooding is unpredictable and indeterminate, and where velocity flow may be evident.

*Area of special flood hazard* is the land in the floodplain within a community subject to a one percent or greater chance of flooding in any given year.

*Base flood* means the flood having a one percent chance of being equaled or exceeded in any given year.

*Coastal high hazard area* means the area subject to high velocity waters, including, but not limited to, hurricane wave wash or tsunamis. The area is designated on a FIRM as zone V1-30, VE, or V.

*Critical feature* means an integral and readily identifiable part of a flood protection system, without which the flood protection provided by the entire system would be compromised.

*Development* means any manmade change to improved or unimproved real estate, including, but not limited to, buildings or other structures, mining, dredging, filling, grading, paving, excavating or drilling operations.

*Elevated building* means a nonbasement building:

- (1) Built, in the case of a building in zones A1-30, AE, A, A99, AO, AH, B, C, X, and D, to have the top of the elevated floor, or in the case of a building in zone V1-30, VE, or V, to have the bottom of the lowest horizontal structure member of the elevated floor elevated above the ground level by means of pilings, columns (posts and piers), or shear walls parallel to the flow of the water; and
- (2) Adequately anchored so as not to impair the structural integrity of the building during a flood of up to the magnitude of the base flood.

In the case of zones A1-40, AE, A, A99, AO, AH, B, C, X, D, the term "elevated building" also includes a building elevated by means of fill or solid foundation perimeter walls with openings sufficient to facilitate the unimpeded movement of floodwaters. In the case of zone V1-30, VE, or V, the term "elevated building" also includes a building otherwise meeting the definition of elevated building, even though the lower area is enclosed by means of breakaway walls if the breakaway walls meet the standards of section 60.3(e)(5) of the National Flood Insurance Program regulations.

*Existing construction* means for the purposes of determining rates, structures for which the "start of construction" commenced before the effective date of the FIRM or before January 1, 1975, for FIRMs effective before that date. The term "existing construction" may also be referred to as "existing structures."

*Flood or flooding* means a general and temporary condition of partial or complete inundation of normally dry land areas from:

- (1) The overflow of inland or tidal waters.
- (2) The unusual and rapid accumulation or runoff of surface water from any source.

*Flood insurance rate map (FIRM)* means an official map of a community, on which the Federal Emergency Management Agency has delineated both the areas of special flood hazards and the risk premium zones applicable to the community.

*Flood insurance study* is the official report provided by the Federal Emergency Management Agency. The report contains flood profiles, the water surface elevation of the base flood, as well as the flood hazard boundary-floodway map.

*Functionally dependent use* means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and shipbuilding and ship repair facilities, but does not include long-term storage or related manufacturing facilities.

*Habitable floor* means any floor usable for living purposes; which includes working, sleeping, eating, cooking or recreation, or a combination thereof. A floor used for storage purposes only is not a habitable floor.

*Levee* means a manmade structure, usually an earthen embankment, designed and constructed in accordance with sound engineering practices to contain, control, or divert the flow of water so as to provide protection from temporary flooding.

*Levee system* means a flood protection system which consists of a levee, or levees, and associated structures, such as closure and drainage devices, which are constructed and operated in accordance with sound engineering practices.

*Manufactured home* means a structure transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when connected to the required utilities. For floodplain management purposes, the term "manufactured home" also includes park trailers, travel trailers, and other similar vehicles placed on a site for greater than 180 consecutive days. For insurance purposes the term "manufactured home" does not include park trailers, travel trailers, and other similar vehicles.

*Manufactured home park or subdivision* means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

*Mean sea level* means, for purpose of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929 or other datum, to which base flood elevations shown on the city's Flood Insurance Rate Map are referenced.

*New construction* means, for floodplain management purposes, structures for which the start of construction commenced on or after the effective date of a floodplain management regulation adopted by the city.

*Program deficiency* means a defect in the city's floodplain management regulations or administrative procedures that impairs effective implementation of those floodplain management regulations or of the standards herein.

*Remedy a violation* means to bring the structure or other development into compliance with state or local floodplain management regulations, or, if this is not possible, to reduce the impacts of its noncompliance. Ways that impacts may be reduced include protecting the structure or other affected development from flood damages, implementing the enforcement provisions of the chapter or otherwise deterring future similar violations, or reducing federal financial exposure with regard to the structure or other development.

*Start of construction* (for other than new construction or substantial improvements under the Coastal Barrier Resources Act (Pub. L. 97-348)), includes substantial improvement and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement, or other improvement was within 180 days of the permit date. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading, and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for basements, footings, piers or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure.

*Structure* means a walled and roofed building, including a gas or liquid storage tank, that is principally above ground, as well as a manufactured home.

*Substantial improvement.*

- (1) The term "substantial improvement" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either before the improvement or repair is started, or if the structure has been damaged and is being restored, before the damage occurred. For the purposes of this definition substantial

improvement is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.

- (2) The term "substantial improvement" does not, however, include either:
- a. Any projects for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions; or
  - b. Any alterations of a structure listed on the National Register of Historic Places or a state inventory of historic places.

*Variance* is a grant of relief to a person from the requirements of this chapter when specific enforcement would result in unnecessary hardship. A variance permits construction or development in a manner otherwise prohibited by this chapter.

*Violation* means the failure of a structure or other development to be fully compliant with this chapter. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance as required in this chapter is presumed to be in violation until such time as that documentation is provided.

*V zone.* See *Coastal high hazard area*.

*Water surface elevation* means the height, in relation to the National Geodetic Vertical Datum (NGVD) of 1929 (or other datum, where specified), of floods of various magnitudes and frequencies in the floodplains of coastal or riverine areas.

(Code 1969, § 13½-5; Ord. No. 87-13, § 5, 5-5-1987)

#### Sec. 54-4. - Methods of reducing flood losses.

In order to accomplish its purposes, this chapter uses the following methods:

- (1) Restrict or prohibit uses that are dangerous to health, safety or property in times of flood, or cause excessive increases in flood heights or velocities;
- (2) Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- (3) Control the alteration of natural floodplains, stream channels, and natural protective barriers, which are involved in the accommodation of floodwater;
- (4) Control filling, grading, dredging and other development which may increase flood damage;
- (5) Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.

(Code 1969, § 13½-4; Ord. No. 87-13, § 4, 5-5-1987)

#### Sec. 54-5. - Lands to which this chapter applies.

This chapter shall apply to all areas of special flood hazard within the jurisdiction of the city and those areas as may be annexed by the city.

(Code 1969, § 13½-6(a); Ord. No. 87-13, § 6, 5-5-1987)

#### Sec. 54-6. - Basis for establishing the areas of special flood hazard.

The areas of special flood hazard identified by the Federal Emergency Management Agency in a scientific and engineering report entitled "The Flood Insurance Study for the City of Weslaco," dated September 1979, with accompanying flood insurance rate maps and flood hazard boundary-floodway maps and any revision thereto which are hereby adopted by reference and declared to be a part of this chapter.

(Code 1969, § 13½-6(b); Ord. No. 87-13, § 6, 5-5-1987)

Sec. 54-7. - Establishing of development permit.

A development permit shall be required to ensure conformance with the provisions of this chapter.

(Code 1969, § 13½-6(c); Ord. No. 87-13, § 6, 5-5-1987)

Sec. 54-8. - Compliance.

No structure or land shall hereafter be located, altered, or have its use changed without full compliance with the terms of this chapter and other applicable regulations.

(Code 1969, § 13½-6(d); Ord. No. 87-13, § 6, 5-5-1987)

Sec. 54-9. - Abrogation and greater restrictions.

This chapter is not intended to repeal, abrogate, or impair any existing easements, covenants, or deed restrictions. However, where this chapter and other provisions conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

(Code 1969, § 13½-6(e); Ord. No. 87-13, § 6, 5-5-1987)

Sec. 54-10. - Interpretation.

In the interpretation and application of this chapter, all provisions shall be:

- (1) Considered as minimum requirements;
- (2) Liberally constructed in favor of the governing body;
- (3) Deemed neither to limit nor repeal any other powers granted under state statutes.

(Code 1969, § 13½-6(f); Ord. No. 87-13, § 6, 5-5-1987)

Sec. 54-11. - Warning and disclaimer of liability.

The degree of flood protection required by this chapter is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. On rare occasions greater floods can and will occur and flood heights may be increased by manmade or natural causes. This chapter does not imply that land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damages. This chapter shall not create liability on the part of the city or any officer or employee thereof for any administrative decision lawfully made thereunder.

(Code 1969, § 13½-6(g); Ord. No. 87-13, § 6, 5-5-1987)



Sec. 54-12. - Designation of the floodplain administrator.

The city manager is hereby appointed the floodplain administrator to administer and implement the provisions of this chapter and other appropriate sections of 44 CFR (National Flood Insurance Program Regulations) pertaining to floodplain management. The city manager may delegate the administrative enforcement of this chapter to another person as he may see fit.

(Code 1969, § 13½-7; Ord. No. 87-13, § 7, 5-5-1987)

Sec. 54-13. - Duties and responsibilities of the floodplain administrator.

Duties and responsibilities of the floodplain administrator shall include, but not be limited to, the following:

- (1) Maintain and hold open for public inspection all records pertaining to the provisions of this chapter;
- (2) Review permit applications to determine whether proposed building sites will be reasonably safe from flooding;
- (3) Review and approve or deny all applications for development permits required by adoption of this chapter;
- (4) Review permits for proposed development to assure that all necessary permits have been obtained from those federal, state, or local governmental agencies (including section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 USC 1334) from which prior approval is required;
- (5) Make, where interpretation is needed as to the exact location of the boundaries of the areas of special flood hazards (for example, where there appears to be a conflict between a mapped boundary and actual field conditions), such necessary interpretation;
- (6) Notify, in riverine situations, adjacent communities and the state coordinating agency, which is the state department of water resources, prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency;
- (7) Assure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained;
- (8) Obtain, review, and reasonably utilize, when base flood elevation data has not been provided in accordance with section 54-6, any base flood elevation data and floodway data available from a federal, state or other source, in order to administer the provisions of sections 54-16, 54-17, 54-18, and 54-19;
- (9) Require, when a regulatory floodway has not been designated, that no new construction, substantial improvements, or other development, including fill, shall be permitted within zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.

(Code 1969, § 13½-8; Ord. No. 87-13, § 8, 5-5-1987)

Sec. 54-14. - Permit procedures.

- (a) An application for a development permit shall be presented to the floodplain administrator on forms furnished by him and may include, but is not limited to, plans in duplicate, drawn to scale, showing the location, dimensions, and elevation of proposed landscape alterations, existing and proposed

structures, and the location of the foregoing in relation to areas of special flood hazard. Additionally, the following information is required:

- (1) Elevation, in relation to mean sea level, of the lowest floor (including basement) of all new and substantially improved structures;
  - (2) Elevation, in relation to mean sea level, to which any nonresidential structure shall be floodproofed;
  - (3) A certificate from a registered professional engineer that the nonresidential floodproofed structure shall meet the floodproofing criteria of section 54-17(2);
  - (4) Description of the extent to which any watercourse or natural drainage will be altered or relocated as a result of proposed development;
  - (5) Maintain a record of all such information in accordance with section 54-13(1).
- (b) Approval or denial of a development permit by the floodplain administrator shall be based on all of the provisions of this chapter and the following relevant factors:
- (1) The danger to life and property due to flooding or erosion damage;
  - (2) The susceptibility of the proposed facility and its contents to flood damage and the effect of such drainage on the individual owner;
  - (3) The danger that materials may be swept onto other lands to the injury of others;
  - (4) The compatibility of the proposed use with existing and anticipated development;
  - (5) The safety of access to the property in times of flood for ordinary and emergency vehicles;
  - (6) The costs of providing governmental services during and after flood conditions, including maintenance and repair of streets and bridges, and public utilities and facilities such as sewer, gas, electrical and water systems;
  - (7) The expected heights, velocity, duration, rate of rise and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site;
  - (8) The necessity to the facility of a waterfront location, where applicable;
  - (9) The availability of alternative locations, not subject to flooding or erosion damage, for the proposed use; and
  - (10) The relationship of the proposed use to the comprehensive plan for that area.

(Code 1969, § 13½-9; Ord. No. 87-13, § 9, 5-5-1987)

Sec. 54-15. - Variance procedures.

- (a) The zoning board of adjustments and appeals, as established by the city, shall hear and render judgment on requests for variances from the requirements of this chapter.
- (b) The zoning board of adjustments and appeals shall hear and render judgment on an appeal only when it is alleged that there is an error in any requirement, decision, or determination made by the floodplain administrator in the enforcement or administration of this chapter.
- (c) Any person aggrieved by the decision of the zoning board of adjustments and appeals may appeal such decision in a court of competent jurisdiction.
- (d) The floodplain administrator shall maintain a record of all actions involving an appeal and shall report variances to the Federal Emergency Management Agency upon request.
- (e) Variances may be issued for the reconstruction, rehabilitation or restoration of structures listed on the National Register of Historical Places or the state inventory of historic places, without regard to the procedures set forth in the remainder of this chapter.

- (f) Variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, provided the relevant factors in section 54-14(b) have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.
- (g) Upon consideration of the factors noted above and the intent of this chapter, the zoning board of adjustments and appeals may attach such conditions to the granting of variances as it deems necessary to further the purpose and objectives of this chapter (see section 54-2).
- (h) Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.
- (i) Prerequisites for granting variances shall be as follows:
  - (1) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.
  - (2) Variances shall only be issued upon:
    - a. Showing a good and sufficient cause;
    - b. A determination that failure to grant the variance would result in exceptional hardship to the applicant; and
    - c. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, or extraordinary public expense, create nuisances, cause fraud on or victimization of the public, or conflict with existing local laws or ordinances.
  - (3) Any applicant to whom a variance is granted shall be given written notice that the structure will be permitted to be built with the lowest floor elevation below the base flood elevation and that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.
- (j) Variances may be issued by a community for new construction and substantial improvements and for other development necessary for the conduct of a functionally dependent use, provided that:
  - (1) The criteria outlined in subsections (a) through (i) of this section are met; and
  - (2) The structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threats to public safety.

(Code 1969, § 13½-10; Ord. No. 87-13, § 10, 5-5-1987)

#### Sec. 54-16. - Standards.

In all areas of special flood hazards, the following provisions are required for all new construction and substantial improvements:

- (1) All new construction or substantial improvements shall be designed (or modified) and adequately anchored to prevent flotation, collapse or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;
- (2) All new construction or substantial improvements shall be constructed by methods and practices that minimize flood damage;
- (3) All new construction or substantial improvements shall be constructed with materials resistant to flood damage;
- (4) All new construction or substantial improvements shall be constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are

designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding;

- (5) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of floodwaters into the system;
- (6) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of floodwaters into the system and discharge from the systems into floodwaters; and
- (7) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

(Code 1969, § 13½-11; Ord. No. 87-13, § 11, 5-5-1987)

Sec. 54-17. - Specific standards.

In all areas of special flood hazards where base flood elevation data has been provided as set forth in sections 54-6, 54-13(8), or 54-18(d), the following provisions are required:

- (1) *Residential construction.* New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to or above the base flood elevation. A registered professional engineer or land surveyor shall submit a certification to the floodplain administrator that the standard of this subsection, as proposed in section 54-14(a)(1), is satisfied.
- (2) *Nonresidential construction.* New construction and substantial improvements of any commercial, industrial or other nonresidential structure shall either have the lowest floor, including basement, elevated to or above the base flood level or, together with attendant utility and sanitary facilities, be designed so that below the base flood level the structure is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting any hydrodynamic loads and effects of buoyancy. A registered professional engineer shall develop and/or review structural design specifications and plans for construction and shall certify that the design and methods of construction are in accordance with accepted standards of practice, as outlined in this subsection. A record of such certification, which shall include the specific elevation (in relation to mean sea level) to which such structures are floodproofed, shall be maintained by the floodplain administrator.
- (3) *Enclosures.* New construction and substantial improvements with fully enclosed areas below the lowest floor that are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or meet or exceed the following minimum criteria:
  - a. A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
  - b. The bottom of all openings shall be no higher than one foot above grade.
  - c. Openings may be equipped with screens, louvers, valves, or other coverings or devices, provided they permit the automatic entry and exit of floodwaters.
- (4) *Manufactured homes.*
  - a. All manufactured homes to be placed within zone A are required to be installed using methods and practices which minimize flood damage. For the purpose of this requirement, manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable state and local anchoring requirements for resisting wind forces.
  - b. All manufactured homes shall be in compliance with subsection (1) of this section.



- c. Require that all manufactured homes to be placed or substantially improved within zones A1-30, AH and AE on the community's FIRM be elevated on a permanent foundation such that the lowest floor of the manufactured home is at or above the flood elevation; and be securely anchored to an adequately anchored foundation system in accordance with the provisions of this subsection.

(Code 1969, § 13½-12; Ord. No. 87-13, § 12, 5-5-1987)

Sec. 54-18. - Standards for subdivision proposals.

- (a) All subdivision proposals, including manufactured home parks and subdivisions, shall be consistent with sections 54-2 and 54-4.
- (b) All proposals for the development of subdivisions including manufactured home parks and subdivisions shall meet development permit requirements of section 54-7, section 54-14 and sections 54-16—54-19.
- (c) Base flood elevation data shall be generated for subdivision proposals and other proposed development, including manufactured home parks and subdivisions which is greater than 50 lots or five acres, whichever is lesser, if not otherwise provided pursuant to sections 54-6 or 54-13(8).
- (d) All subdivision proposals including manufactured home parks and subdivisions shall have adequate drainage provided to reduce exposure to flood hazards.
- (e) All subdivision proposals including manufactured home parks and subdivisions shall have public utilities and facilities such as sewer, gas, electrical and water systems located and constructed to minimize or eliminate flood damage.

(Code 1969, § 13½-13; Ord. No. 87-13, § 13, 5-5-1987)

Sec. 54-19. - Standards for areas of shallow flooding (AO/AH zones).

Located within the areas of special flood hazard established in section 54-6 are areas designated as shallow flooding. These areas have special flood hazards associated with base flood depths of one to three feet where a clearly defined channel does not exist and where the path of flooding is unpredictable and velocity flow may be evident. Such flooding is characterized by ponding or sheet flow; therefore, the following provisions apply:

- (1) All new construction and substantial improvements or residential structures shall have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified).
- (2) All new construction and substantial improvements of nonresidential structures:
  - a. Shall have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified); or
  - b. Together with attendant utility and sanitary facilities, shall be designed so that below the base flood level the structure is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads or effects of buoyancy.
- (3) A registered professional engineer and/or land surveyor shall submit a certification to the floodplain administrator that the standards of section 54-14(a)(1), are satisfied.
- (4) Require within zone AH or AO adequate drainage paths around structures on slopes, to guide floodwaters around and away from proposed structures.

(Code 1969, § 13½-14; Ord. No. 87-13, § 14, 5-5-1987)

Sec. 54-20. - Conflict with other ordinances.

Whenever the standards and specifications in this chapter conflict with those contained in any other chapter of this Code or ordinance of the city, the most stringent or restrictive provision shall govern.

(Code 1969, § 13½-15; Ord. No. 87-13, § 15, 5-5-1987)

Sec. 54-21. - Coordination with subdivision regulations.

- (a) It is the intent of this chapter that the review of the city's subdivision ordinance (appendix B to this Code) be carried out simultaneously with the review of the this chapter.
- (b) The plans required under this chapter must be submitted in a form which will satisfy the requirements of the city's subdivision ordinance (appendix B to this Code) for the preliminary and final plans required under these regulations.

(Code 1969, § 13½-16; Ord. No. 87-13, § 16, 5-5-1987)

Sec. 54-22. - Penalty.

Any person violating any provisions of this chapter within the corporate limits of the city shall be guilty of a misdemeanor and, upon conviction, shall be fined an amount not exceeding \$200.00. Each day such violation continues shall be a separate offense. Prosecution or conviction under this provision shall never be a bar to any other remedy or relief for violations of this chapter.

(Code 1969, § 13½-18; Ord. No. 87-13, § 18, 5-5-1987)

Sec. 54-23. - Establishment and funding of drainage capital projects fund.

- (a) A fund is hereby established, to be maintained by the finance department and separately maintained from the other funds of the city, to be designated the drainage capital projects fund (the DCP).
- (b) The DCP shall be accounted for as a separate capital project fund of the city.
- (c) Contributions may vary from year to year when the general fund has produced a surplus after payment of all operation and maintenance expenses, debt service, and required contributions to reserves, if any. Contributions shall be added to such Fund per the above criteria.
- (d) At the option of the city commission, other sources of surplus finds, including bond proceeds or grant revenue, if available, may be used to contribute to the fund.
- (e) Nothing in this section shall be construed to mean that any contribution to the fund is mandatory, but such will be solely at the discretion of the city commission.

(Ord. No. 2018-29, § 1, 9-18-2018)

Sec. 54-24. - Expenditures from the drainage capital projects fund; prohibited expenditures.

- (a) Withdrawals from the fund require the authorization of the city commission. At the time of withdrawal, a plan to replenish the fund over a reasonable time frame shall be adopted by the city

commission. The plan may or may not include a tax or rate increase, depending on the circumstances.

(b) Withdrawals from the Fund should be restricted to:

- (1) Pay for capital improvement projects as presented and approved within the drainage capital project (DCP) budget approved by the city commission for each fiscal year;
- (2) Make up for a severe shortfall in funds where projected revenues are not met, typically because of unexpected negative influence on revenue stream;
- (3) Pay for catastrophic repair events of such magnitude that the cost of such would initiate an unplanned tax or rate increase or a greater than planned tax or rate increase (i.e. increases that would not have been needed if such event had not occurred). At the time of any such withdrawal for (2) or (3), a plan to raise taxes and/or rates over a reasonable time period to a level sufficient to cover the ongoing cost of maintenance and operations should be presented to the commission and adopted.

(c) Withdrawal from the fund should not be allowed for the following reasons:

- (1) To make any expenditure not clearly and directly for an approved drainage improvement project.
- (2) To pay for expense made necessary as a result of growth, expansion, or enhancement of existing services or inflation.
- (3) For the addition of permanent personnel or equipment.

(Ord. No. 2018-29, § 2, 9-18-2018)

## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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#### **CALCULATIONS OF WEIGHTED AVERAGES**

The following attachments show the calculated weighted averages for the following:

- AMHI – Annual Mean Household Income
- Unemployment
- Population Decline

Also attached is the Census Tract Area Map that was used for the Calculations.



# HIDALGO COUNTY, TEXAS

## City of Weslaco

### WEIGHTED AVERAGE for Annual Mean Household Income (AMHI)

| Census Tract                                                                                              | AMHI     | Population   | AMHI x Population     |
|-----------------------------------------------------------------------------------------------------------|----------|--------------|-----------------------|
| Block Group 2, Census Tract 225.02, Hidalgo County, Texas                                                 | \$49,545 | 1,479        | \$ 73,277,055         |
| Block Group 1, Census Tract 226, Hidalgo County, Texas                                                    | \$18,125 | 1,002        | \$ 18,161,250         |
| Block Group 2, Census Tract 226, Hidalgo County, Texas                                                    | \$28,359 | 930          | \$ 26,373,870         |
| <b>Total</b>                                                                                              |          | <b>3,411</b> | <b>\$ 117,812,175</b> |
| <b>WEIGHTED AVERAGE = <math>\frac{\text{Total (AMHI x Population)}}{\text{Total (Population)}}</math></b> |          |              | <b>\$ 34,539</b>      |

|                                                                                                                      |              |
|----------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Percentage of Weighted AMHI = <math>\frac{\text{Weighted Average AMHI}}{\text{Texas AMHI (\\$59,570)}}</math></b> | <b>58.0%</b> |
|----------------------------------------------------------------------------------------------------------------------|--------------|

# HIDALGO COUNTY, TEXAS

## City of Weslaco

### WEIGHTED AVERAGE for UNEMPLOYMENT

| Census Tract                                                                                                           | Population   | Unemployment Rate | Unemployment Rate x Population |
|------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|--------------------------------|
| Block Group 2, Census Tract 225.02, Hidalgo County, Texas                                                              | 1,356        | 1.04%             | 14.10                          |
| Block Group 1, Census Tract 226, Hidalgo County, Texas                                                                 | 682          | 3.08%             | 21.01                          |
| Block Group 2, Census Tract 226, Hidalgo County, Texas                                                                 | 1,527        | 5.47%             | 83.53                          |
| <b>Total</b>                                                                                                           | <b>3,565</b> |                   | <b>118.63</b>                  |
| <b>WEIGHTED AVERAGE = <math>\frac{\text{Total (Unemployment Rate x Population)}}{\text{Total (Population)}}</math></b> |              |                   | <b>3.33%</b>                   |

# HIDALGO COUNTY, TEXAS

## City of Weslaco

### Population Decline

| Census Tract                                              | Population 2014 | Population 2018 | Population 2018 - 2014 |
|-----------------------------------------------------------|-----------------|-----------------|------------------------|
| Block Group 2, Census Tract 225.02, Hidalgo County, Texas | 1,356           | 1,479           | 123                    |
| Block Group 1, Census Tract 226, Hidalgo County, Texas    | 682             | 1,002           | 320                    |
| Block Group 2, Census Tract 226, Hidalgo County, Texas    | 1,527           | 930             | -597                   |
| <b>Total</b>                                              | <b>3,565</b>    | <b>3,411</b>    | <b>-154</b>            |
| <b>Population Decline</b>                                 |                 |                 | <b>-4.3%</b>           |







# **Texas Division of Emergency Management Disaster Finance, Recovery, Mitigation and Standards**

## **Section 404 Hazard Mitigation Grant Program (HMGP) Application Introduction, Instruction, and Information**

### **INTRODUCTION**

The Hazard Mitigation Grant Program (HMGP) assists states and local communities in implementing long-term hazard mitigation measures following a major disaster. The funding for this program is based on a 75% federal and 25% local cost share. Further information concerning Texas' involvement in the HMGP can be found in the current Texas Division of Emergency Management (TDEM) Hazard Mitigation Grant Administrative Plan.

If you require technical assistance with this application, or to request a copy of the current TDEM Hazard Mitigation Grant Program Administrative Plan please contact Texas Division of Emergency Management, Disaster Finance, Recovery, Mitigation and Standards (TDEM/DFRMS), Mitigation Section at (512) 377-0023 or [TDEM-Mitigation@dps.texas.gov](mailto:TDEM-Mitigation@dps.texas.gov).

### **INSTRUCTIONS**

The application and attachments can be found on the following website:

<https://grants.dps.texas.gov/>

Please complete ALL sections and provide the documents requested. All questions must be answered completely and accurately. TDEM and the Federal Emergency Management Administration (FEMA) staff reviewing the application will not be familiar with your community, the specific project area, and the need for the proposed project. Therefore, it is the responsibility of the applicants to ensure the application addresses all of the questions and requirements. This is particularly important given the competitive nature of the grant program. If you are unsure as to the meaning of a particular question, contact TDEM for clarification.

### **ELIGIBILITY**

TDEM, as the grantee, is responsible for ensuring applicants meet the eligibility requirements and projects are eligible for HMGP funding.

#### **Applicant Eligibility:**

1. HMGP projects must be from an eligible applicant. (i.e., Municipality, City, County, Special District, Tribe, Eligible Nonprofit Agency, or Organization).
2. Applicant must have an approved hazard mitigation plan. For private non-profit organizations, the community where the project is located must have an adopted plan.

#### **Project Eligibility:**

1. Projects cannot be retroactively funded through HMGP. Therefore, projects already in progress or completed will not be considered.
2. HMGP projects must comply with the FEMA approved state and applicable local hazard mitigation plan.
3. HMGP projects must meet all applicable codes and standards for the project locale (i.e., construction, public notifications, etc.).
4. HMGP projects must have a direct beneficial impact upon the designated disaster area, whether or not the project is located in the designated area.
5. HMGP projects must comply with 44 Code of Federal Regulations (CFR) part 9, Floodplain Management and Protection of Wetlands and 44 CFR, part 10, Environmental Considerations.
6. HMGP projects must solve a problem independently or constitute a functional portion of a solution where there is assurance that the project as a whole will be completed. Projects that merely identify or analyze hazards or problems are not eligible.
7. HMGP projects must be cost effective and substantially reduce the risk of future damage, hardship, loss, or suffering resulting from a major disaster.
8. HMGP projects must provide the best solution. Sub-applicants must demonstrate that after consideration of a range of options for the mitigation measure, it has been determined that the proposed project is the most practical, effective, and environmentally sound solution.

## Project Eligibility - Continued

9. HMGP projects must contribute to a long-term solution that is the most practicable. Ideally, it should integrate hazard mitigation principles with existing programs and overall community planning.
10. HMGP projects must consider long-term effects. Projects should address, when applicable, long-term changes to the areas and entities it protects, and ensure manageable future maintenance and modification requirements.
11. HMGP projects must address a problem that has been repetitive or that possesses a significant risk if left unsolved.
12. HMGP projects must cost less than the anticipated value of the reduction in both direct damage and subsequent negative impacts to the area if future disasters occur.

## ATTACHMENTS

Below are the attachments related to this application. You can access the attachments by clicking the paper clip symbol on the left side of the form (see image below).



## Attachment List

1. Budget Worksheet
2. Budget Worksheet Instructions
3. Designation of Subrecipient Agent (DSA) Form (Note: See Grant Management System for additional information below)
4. Environmental Historical Preservation (EHP) Checklist
5. FEMA Benefit Cost Analysis (BCA) Toolkit Instructions to Install
6. Property Site Inventory Worksheet (*Required for Acquisition, Elevation, and Mitigation Reconstruction projects*)
7. Three SF424 Forms (SF424-Application for Federal Assistance, SF424B-Non-Construction Assurances and SF424D-Construction Assurances)
8. FEMA Form Certifications Regarding Lobbying
9. FEMA Form Disclosure of Lobbying Activities

## REQUIRED DOCUMENTATION

Below is the minimum required documentation that must be submitted with the application.

Note: **This is not an all inclusive list** since requirements may vary depending on project type and the sub-applicant.

1. Application (with supporting documents used for additional space or to clarify answers)
2. Map(s), Photo(s), Drawing(s), etc. as required in the application
3. EHP Checklist
4. FEMA Insurance Rate Map (FIRM) per the EHP Checklist
5. Supporting Documentation per EHP Checklist
6. Budget Worksheet
7. Property Site Inventory Worksheet (*Required for Acquisition, Elevation and Mitigation Reconstruction projects*)
8. BCA zip file
9. Certification and Signature of Authorized Agent (page 10 of the application)
10. Floodplain Manager Authorization Form (page 11 of the application)
11. DSA Form
12. All three SF424 forms (SF424, SF424B and SF424D)
13. FEMA Form Certifications Regarding Lobbying (also includes Debarment, Suspension and Other Responsibility Matters; and Drug Free Workplace Requirements)
14. FEMA Form Disclosure of Lobbying Activities (Complete to disclose lobbying activities pursuant to 31U.S.C.1352)

## GRANT MANAGEMENT SYSTEM (GMS)

The Division of Emergency Management uses the GMS on-line system to manage the HMGP and other FEMA grant programs. For more information and to register for access please visit <https://grants.dps.texas.gov/index.cfm>.

*Note: The DSA Form provides the information needed to set up the contact information in the system.*



# Texas Division of Emergency Management Disaster Finance, Recovery, Mitigation and Standards

## Section 404 Hazard Mitigation Grant Program (HMGP) Application Form

Disaster Declaration #: FEMA-4377-DR-TX

Declaration Date: July 31, 2018

### SUB-APPLICANT INFORMATION

Name of Sub-applicant Organization/Agency: City of Weslaco

Address: 255 S. Kansas Ave.

City: Weslaco County: Hidalgo State: TX Zip: 78596

Primary Contact Name: Mike R. Perez Title: City Manager

Email: mrperez@weslacotx.gov Office Phone: (956) 968-3181 Cell: \_\_\_\_\_

Secondary Contact Name: Andrew Munoz Title: Asst. City Manager

Email: amunoz@weslacotx.gov Office Phone: (956) 969-0291 Cell: (956) 587-2455

### Check One:

☐ State Government ☒ Local Government ☐ Federally Recognized Tribe ☐ Private Non-Profit

Tax ID #: 174-60025442

DUNS #: 0802564490000

FIPS Code: 48215

(Data Universal Numbering System)

State Legislative House District(s): 17 State Legislative Senate District(s): 21

Congressional House District(s): 15

National Flood Insurance Program (NFIP) Community Identification #: 480349

(This number can be obtained from the FIRM map for your area)

NFIP Community Rating System Class # (if available): N/A

### PROJECT INFORMATION

Project Title: Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park-Phase 1

### Application Type: (select from the following)

☐ Standard HMGP ☐ 5% Initiative ☐ Planning ☒ Phased Project

### Project Type: (select from the following)

☐ Acquisition ☐ Elevation ☐ Residential Saferoom ☐ Community Saferoom  
☒ Drainage ☐ Generator ☐ Wildfire ☐ Structural Retrofit  
☐ Other: \_\_\_\_\_

### Hazards to be Mitigated: (select from the following)

☒ Flood ☐ Wind ☐ Wildfire ☐ Subsidence ☐ Storm Surge  
☐ Other: \_\_\_\_\_

Note: A Property Site Inventory Worksheet (see attached) is required for Acquisition, Elevation, and Mitigation Reconstruction projects)

**SCOPE OF WORK****Project Description:**

*Description must include: what hazard(s) the project will address, type of project (drainage, safe room, fuel reduction, buy-out, etc., and/or infrastructure), step by step description of the major elements of the project (contracting, construction elements, close-out, etc.), and how the project will be accomplished by the end of the 36 month period of performance (PoP). Attach extra pages as necessary.*

**Introduction:**

This Drainage project is needed to address the flooding hazard that exists in the area south of Interstate 2, north of Business 83, and centered along Texas Boulevard in Weslaco, Texas. This project is proposed to be done in phases, with the first Phase providing for the engineering design.

Generally, the project area is bounded by North Westgate Drive on the west, South Pleasantview Drive on the east, West Expressway 83 on the north and East Business 83 on the south. An existing storm drain system that moves the storm water from the surrounding neighborhoods into a channel near Mayor Pablo Peña Park. The current system cannot contain the runoff through the storm drain system for a 10-year event. The hydrologic and hydraulic model for this system shows that for a 100-year event, 1,417 houses are in the floodplain.

**Background:**

The project area has been subject to repetitive flooding. The most recent severe storms that caused flooding to occur happened on June 20 - 22, 2018, with storm waters remaining in the area for the next three days. FEMA declared Disaster DR-4377 as a result of this storm on July 6, 2018. A model of the existing drainage system was developed for this area using InfoWorks Integrated Catchment Models (ICM) software that integrates hydrologic analysis with a 2D mesh. The benefit of using a fully integrated 2D hydraulic model is to simulate an accurate representation of how the hydrology (storm water volume) interacts with the hydraulics (drainage conveyance system) within one model. The InfoWorks ICM model was used to identify the location and severity of flooding in areas under existing conditions and to evaluate potential solutions to reduce flooding. Halff modeled the proposed improvements in the ICM software to evaluate the effects of the improvements and made adjustments to the proposed design to achieve maximum benefit. The resulting proposed conditions analysis provides the City of Weslaco with a model-backed project approach that identifies the most crucial and immediate needs for the area of concern. The proposed improvements would completely remove 580 structures from the 100-year floodplain and benefit over 900 structures.

**Project Description:**

In order to mitigate the flooding hazard to the 1,417 residential structures in the project area affected by the June 2018 storm, the following project is proposed. The proposed project includes the installation of new storm drain conveyance systems, drainage outfall and control structures, channel improvements, construction of a new outfall channel, and the construction of several storm water detention facilities as shown on the Site Plan Attached. Phase I of this project provides for the engineering design of the needed improvements.

**Schedule:**

Phase 1 of this project is planned to be completed within 6 months, which is less than the required thirty-six (36) month time line.



**Project Objectives - Problem Solutions/Hazard Reduction:**

*Description must include: how the project will independently solve the problem, the level of protection provided by the project, how the project will increase the level of protection to the citizens and/or properties, the number of people and properties that will directly benefit from the project, and how the project will ultimately reduce the costs associated with recovery from future disasters. Attach extra pages as necessary.*

In June of 2018, the lower Rio Grande Valley experienced a devastating flood event. Heavy rainfalls saturated the soils and filled the drainage outfall system of Hidalgo and Willacy Counties. The cities of Mercedes and Weslaco reported as much as 18 inches of total rainfall and possibly had over 11 inches fall in an 8-hour period.

The proposed project would mitigate the 100-year storm and remove 580 structures from the 100-year floodplain. The subdivisions located in the project area are lower than the surrounding area. The only solution for this project area that is subject to chronic flooding during a heavy rain event is to develop a large detention pond system, install a new storm drain system and improve the existing system, and widen the drainage channel adjacent to the pond to increase conveyance of the stormwater. The pond and channel improvements will increase runoff storage, relieving the surrounding neighborhoods from flooding. The proposed storm drain system will capture stormwater runoff in low areas of the neighborhood, reducing subdivision flooding. This proposed project indicates a positive benefit to cost ratio.

The ICM model done for this project shows implementation of the proposed project would remove 580 structures from the 100 year floodplain and is estimated to have a benefit cost ratio greater than 1.5. The BCA ToolKit limited the number of structures that could be evaluated. Thus only 725 structures were used to compute the BCA. With a average household size of 3.15 (according to US Census Bureau estimates for July 1, 2018), this represents a population of 1,827 people.

**Project Objectives - Outcome, Level of Effort and Milestones:**

*Description must include: major milestones for the project (contracting complete, final engineering/design complete, mobilization for construction, construction phase(s), activities associated with these steps, percentage of total project budget or dollar amounts associated with these steps. Attach extra pages as necessary.*

**Project Milestones**

|                                     |             |                                                          |
|-------------------------------------|-------------|----------------------------------------------------------|
| Engineering Consultant Solicitation | 0% Complete | Advertisement to begin August 2019.                      |
| Engineering Design                  | 0% Complete | To begin October 2019, anticipated completion April 2020 |
| ROW Acquisition                     | 0% Complete | Dependent on funding                                     |
| Agency Review and Permitting        | 0% Complete | To begin December 2019;                                  |
| Bidding                             | 0% Complete | Dependent on funding                                     |
| Construction                        | 0% Complete | Dependent on funding                                     |

**Milestones/Timeline:**

List the major milestones (e.g. designing, engineering, permitting, etc.) for the project by providing an estimated timeline for the critical activities not to exceed a 36 months. These milestones should correspond with the Project Objective description above and budget. For the Starting Month column below, please enter the month (1 through 24) you will begin this milestone once you receive your award (i.e. Month 1 would be the same month as your performance period start date, Month 36 is the last month of your performance period.) For the Mos. to Complete column, please enter the number of months it will take to complete the milestone. (See examples below)

|     | <b>Milestone</b>   | <b>Starting Month</b> | <b>Est. Mos. to Complete</b> |
|-----|--------------------|-----------------------|------------------------------|
| 1.  | Advertising        | Month 1               | 2 months                     |
| 2.  | Engineering Design | Month 3               | 6 1/2 months                 |
| 3.  |                    | Month #               | # Mos to Comp                |
| 4.  |                    | Month #               | # Mos to Comp                |
| 5.  |                    | Month #               | # Mos to Comp                |
| 6.  |                    | Month #               | # Mos to Comp                |
| 7.  |                    | Month #               | # Mos to Comp                |
| 8.  |                    | Month #               | # Mos to Comp                |
| 9.  |                    | Month #               | # Mos to Comp                |
| 10. |                    | Month #               | # Mos to Comp                |

**Project Objectives - Project Staff and Management:**

*Description must include: how the sub-applicant will organize and manage the project to ensure successful completion within the project period of performance, a brief description of all staff associated with the project by position and what their role and responsibilities are for completing the project within the period of performance. Attach extra pages as necessary.*

Andrew Munoz, Assistant City Manager for the City of Weslaco will oversee the projects from start to finish. Under his leadership will be the City Engineer, Ben Worsham, PE. The City of Weslaco Engineering Department will be heavily engaged during the design and construction phase to ensure the proper protocol is being followed to meet the Grant Requirements. The City of Weslaco will utilize their engineering consultant to implement the design for the proposed projects to prepare them to be locally bid. The engineering consultant will assist the City Engineer during the bidding and construction phase.

**Damage History - Overview of Past Damage:**  
Provide a detailed past history of damages in the project area including approximate costs. Include information for Presidential or Federal level disasters as well as State or local level declarations. Attach any supporting documents. Costs should include damages to structures and infrastructure in the project area as a result of the hazard. Additional costs should include the cost to the local government to respond to victims of the hazard in the project area, any interruption to local businesses, losses of public services, and costs for temporary housing of the affected population, etc. **This section helps demonstrate the need for the project.**

**Note:** Acquisition, Relocation, Elevation, or Demolition Project:  
Complete a listing of specific damages to each property on a separate spreadsheet and include as an attachment.

| Date | Level of Event             | Type or Extent of Damage    | Total Cost of Damage |
|------|----------------------------|-----------------------------|----------------------|
|      | Severe Storms and Flooding | Flooding - homes & business |                      |
|      | Severe Storms and Flooding | Flooding - homes & business |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |
|      |                            |                             |                      |

**Project Location:**  
Fully describe the location of the proposed project. Describe the area and/or population affected or protected by this project. Include the location if possible (street address with numbers or neighborhood, city, county with zip codes, Lot, Block or Survey). Provide GPS reading (Lat/Long) of the project site in degrees decimal minutes to 5 places if possible (i.e.: 30.326958 / -97.724750). Attach a separate spreadsheet for multiple latitude/longitude coordinates and descriptions as needed.

**Latitude:** 26.16490      **Longitude:** -97.97550

**Description:**

The project area is bounded by North Westgate Drive on the west, South Pleasantview Drive on the east, West Expressway 83 on the north and East Business 83 on the south. This project removes 580 homes from the modeled 100 year floodplain. With a average household size of 3.15 (according to US Census Bureau estimates for July 1, 2018), this represents a population of 1,827 people.

**Population and Structures Affected by Project:**  
Indicate the approximate number of people affected by this project to include residents, customers, commuters, or visitors, etc. Provide the number of each type of structure (listed below) in the project area. Include all structures directly affected in project area.

1,827

Number of people affected

580

Number of residential properties

0

Number of businesses / commercial properties

0

Number of public buildings

0

Number of schools

0

Number of hospitals / medical clinics

Other (List):

**MAPS**

Two maps must be provided with your application. One must show the general location of the project site and the other must show the specific project site. In certain cases when there are no maps available, substitute with an overview photo, drawing or sketch. Ensure it is legible, shows magnetic north, and has major landmarks noted for orientation.

Map Depicting Project Site: (check the boxes to indicate what type of maps are attached)

- ☒ City, County, or District scale map showing the entire project area with the project site and structures marked on the map.
- ☒ USGS 1:24,000 topographical map with project site marked on the map. (Map depicting relationship to existing features – natural and otherwise)
1. Rivers, lakes, streams, wetlands, saltwater, etc.
  2. Geologic features, steep slopes, unstable areas
  3. Roads, bridges, buildings, etc.

- ☐ **For acquisition or elevation projects**, include a copy of the Parcel Map (Tax Map, Property Identification Map, etc). with each property in the project clearly marked on the map. **Use SAME ID number as in the Property Site Inventory Worksheet.**

**NOTE:** On one or both of the maps and depending on the type of project, you may depict multiple requirements that are listed below, instead of a separate map for each.

**Photos, Sketches, Drawings, Engineer Designs, etc:**

These help clarify the project setting and the potential impacts of the project on the environment (soils, vegetation, hydrology, wildlife) and they assist in understanding the written description of the project, especially if contours and elevations are provided. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, drainage areas, etc; which affect the project site or will be affected by the project. If photos are provided, then FEMA may not need to conduct a site visit, thereby, reducing the review time. Include ALL engineering calculations and quantity determinations for this project. These are in addition to any map substitutions. Please check the box below for the items you are attaching to your application, if any:

- |                                            |                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Photographs       | <input type="checkbox"/> Engineering Designs (including calculation and quantity determinations) |
| <input type="checkbox"/> Sketches/Drawings | <input type="checkbox"/> Other                                                                   |

**ENVIRONMENTAL HISTORICAL PRESERVATION (EHP) COMPLIANCE**

Please complete the EHP Checklist (see attachment) and include in the application submission.

As a Federal agency, the Department of Homeland Security (DHS) / Federal Emergency Management Agency (FEMA) is required to consider the effects of its actions on the environment and/or historic properties to ensure that all activities and programs funded by the agency, including grants-funded projects, comply with Federal EHP regulations, laws, and Executive Orders, as applicable. Grant recipients proposing projects that have the potential to impact the environment, including but not limited to construction of communication towers, modification or renovation of existing buildings, structures and facilities (including installation of equipment), or new construction including replacement of facilities, must participate in the DHS/FEMA EHP review process. More information about the EHP requirement can be found at the following links:

<https://www.fema.gov/environmental-planning-and-historic-preservation-compliance>

<https://www.fema.gov/media-library/assets/documents/26621>

Maps will also be required for this portion of the application. If you have photos, sketches, drawings, engineer designs, etc. that will help clarify the project location and structures, please be sure to include them with your application.



**BUDGET INFORMATION**

Please complete the Budget Worksheet attachment by following the attached "Budget Worksheet Instructions". You can access the attachment by clicking on the paper clip on the left side of the form.

Once the budget has been completed, provide the following information from the worksheet:

*(Note: Enter numbers only (no \$ or comma's) as the fields is automatically formatted)*

|                               |                        |
|-------------------------------|------------------------|
| <b>Total Project Costs:</b>   | <u>\$ 1,752,462.00</u> |
| <b>Applicants Cost Share:</b> | <u>\$ 438,116.00</u>   |
| <b>Federal Amount:</b>        | <u>\$ 1,314,346.00</u> |

*Reminder: Applicant must include the Budget Worksheet when submitting the application*

**BENEFIT COST ANALYSIS**

Applicants must demonstrate mitigation projects are cost effective. The Benefit Cost Tool Version 5.3 is used to perform benefit cost analysis for applications submitted under FEMA's Hazard Mitigation Assistance Grant Programs. To use this tool, you must first download the file from the website (see link below). If you have any questions about the new BCA software program, please contact the BC Helpline at [bchelp@dhhs.gov](mailto:bchelp@dhhs.gov) or at 1-855-540-6744.

<https://www.fema.gov/media-library/assets/documents/128334>

Once the BCA has been completed, provide following information from the BCA:

*(Note: Enter numbers only (no \$ or comma's) as the fields is automatically formatted)*

|                                         |                         |
|-----------------------------------------|-------------------------|
| <b>Total Project Cost:</b>              | <u>\$ 20,204,644.00</u> |
| <b>Total Value of Project Benefits:</b> | <u>\$ 27,502,044.00</u> |
| <b>Benefit Cost Ratio:</b>              | <u>1.36</u>             |

*Reminder: Applicant must include a zip file of the BCA when submitting the application*

**BCA Exceptions**

- **Acquisition Projects** - The acquisition of structures that are declared Substantially Damaged (from any origin) and located in a riverine Special Flood Hazard Area (SFHA) on a preliminary or effective FIRM is considered cost effective.
- **Residential Safe Room Projects** - The pre-calculated benefit provides standardized Benefit-Cost Analysis (BCA) benefit values associated with residential safe rooms so that individual BCAs are not required, as long as the project costs do not exceed \$5,421.32 (in Texas).
- **Acquisition and Elevation Projects** - The national average for benefits for acquisition and elevation projects is \$276,000 for acquisition projects and \$175,000 for elevation projects. **FEMA determined the acquisition or elevation of a structure located in the 100-year floodplain for which costs are equal to or less than the amount of benefits noted above is cost effective.** For projects that contain multiple structures, the average cost of all structures in the project must meet this criterion. There is no need for recipients to conduct a separate BCA for a structure that meets this criterion.
- A wind retrofit project is considered cost effective as long as the total project costs are less than the costs listed below:

| <b><u>Mitigation Package Type</u></b> | <b><u>Roof Replacement Project</u></b> | <b><u>Maximum Costs</u></b> |
|---------------------------------------|----------------------------------------|-----------------------------|
| Intermediate Protection               | No                                     | \$13,153                    |
| Intermediate Protection               | Yes                                    | \$24,920                    |
| Advanced Protection                   | No                                     | \$40,252                    |
| Advanced Protection                   | Yes                                    | \$52,018                    |

## CERTIFICATION AND SIGNATURE OF AUTHORIZED AGENT FORM

The Chief Elected Official (jurisdiction) or Executive Director (non-jursdiction) must certify the following statements before the project listed below will be considered for Hazard Mitigation Grant Program (HMGP) funding.

Name of Sub-Applicant (jurisdiction/non-jurisdiction) Identified in the Application:

*(auto-populated from the first page of the application)*

City of Weslaco

Project Titles Identified in the Application:

*(auto-populated from the first page of the application)*

Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park-Phase 1

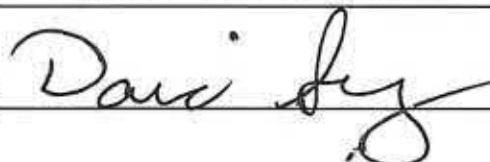
To certify, please check the boxes and sign below:

- ☒ The undersigned will ensure all State and Federal requirements related to the HMGP funding are fulfilled.
- ☒ The undersigned understands that the jurisdiction/non-jursdiction applying for this grant is liable for the required matching funds (local share) related to the project listed above.
- ☒ The undersigned has reviewed and approved the project and information contained in the application.

Signature of the Authorized Agent

Name: DAVID SUAREZ

Title: MAYOR - CITY OF WESLACO

Signature:  Date: 5/29/19

## FLOODPLAIN MANAGER AUTHORIZATION FORM

Please provide the following information for the designated Floodplain Manager for the project listed below.

Date: 05/28/19

Sub-Applicant: City of Weslaco

Disaster Declaration: FEMA 4377-DR-TX

Project Title: Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park-Phase 1

Project Number (if known): \_\_\_\_\_

### Floodplain Manager Contact Information:

Name: Rebekah M. De La Fuente Title: Senior Planner

Organization: City of Weslaco

Address: 255 S. Kansas Ave.

City: Weslaco State: TX Zip: 78596

Email: rdela Fuente@weslacotx.gov Office Phone: (956) 447-3401 Cell: \_\_\_\_\_

### Floodplain Manager Certification Information:

CFM Certification Number: 3275-17N

If not a CFM, please enter the date of attendance for:

CFM - 1 Week Course: \_\_\_\_\_

Floodplain 101 Course: \_\_\_\_\_

### Certification:

By signing below, the above Floodplain Manager is authorized to represent and act on behalf of the sub-applicant in all floodplain matters related to the project and grant listed above



Signature of Authorized Official/Project Officer

05/28/19

Date

Rebekah M. De La Fuente

Printed Name

Senior Planner

Title

Please submit completed form(s) with the application email as an attachment.

## **SUBMITTAL INSTRUCTIONS:**

- Review the application and ensure all questions are answered and all documents are attached. Below is the minimum required documentation. **Note:** This is not an all inclusive list since requirements may vary depending on project type and the subgrantee.

1. Application (with supporting documents used for additional space or to clarify answers)
2. Map(s), Photo(s), Drawing(s), etc. as required in the application
3. EHP Checklist
4. FIRM Map(s) per the EHP Checklist
5. Supporting Documentation per EHP Checklist
6. Budget Worksheet
7. Property Site Inventory Worksheet (*Required for Acquisition, Elevation, and Mitigation Reconstruction projects*)
8. BCA zip file
9. Certification and Signature of Authorized Agent (page 10 of the application)
10. Floodplain Manager Authorization Form (page 11 of the application)
11. DSA Form
12. All three SF424 forms (SF424, SF424B and SF424D)

- Upon completion of the application, save your file by clicking the Save As button below and name your file with the following structure:

Disaster# Grant - Jurisdiction/Organization Name - Project Type

**Example: 4377 HMGP - Test, City of - Generator**

**Save As**

- Submit completed application via email by clicking on this link: [TDEM-Mitigation@dps.texas.gov](mailto:TDEM-Mitigation@dps.texas.gov)



## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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#### **DESCRIPTION OF ANTICIPATED FUNDING SOURCES**

Funding sources were anticipated for the operations and maintenance of this project and are part of the City's annual budget. The City of Weslaco is committed to maintaining this project and will augment the Drain Ditch Maintenance budget annually to include a line item for maintenance of this project.

## Budget Report

For Fiscal: 2019-2020 Period Ending: 06/30/2020

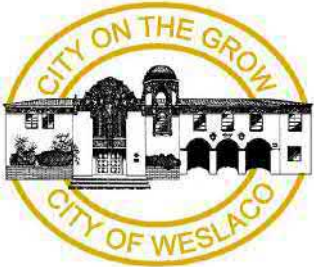
|                                                          |                            | Original<br>Total Budget | Current<br>Total Budget | Period<br>Activity | Fiscal<br>Activity | Variance<br>Favorable<br>(Unfavorable) | Percent<br>Remaining |
|----------------------------------------------------------|----------------------------|--------------------------|-------------------------|--------------------|--------------------|----------------------------------------|----------------------|
| <b>Department: 5307 - DRAIN DITCH MAINTENANCE</b>        |                            |                          |                         |                    |                    |                                        |                      |
| <b>Category: 51 - Personal services</b>                  |                            |                          |                         |                    |                    |                                        |                      |
| <u>101-5307-510020</u>                                   | NON-EXEMPT WAGES           | 392,745.00               | 392,745.00              | 15,251.46          | 256,031.62         | 136,713.38                             | 34.81 %              |
| <u>101-5307-510080</u>                                   | OVERTIME                   | 10,000.00                | 10,000.00               | 25.20              | 8,929.62           | 1,070.38                               | 10.70 %              |
| <u>101-5307-511100</u>                                   | GROUP HEALTH INSURANCE     | 71,246.00                | 71,246.00               | 0.00               | 45,200.87          | 26,045.13                              | 36.56 %              |
| <u>101-5307-511120</u>                                   | PENSION CONTRIBUTION       | 35,037.00                | 35,037.00               | 1,329.08           | 22,625.21          | 12,411.79                              | 35.42 %              |
| <u>101-5307-511140</u>                                   | FICA TAX                   | 25,075.00                | 25,075.00               | 937.43             | 16,273.29          | 8,801.71                               | 35.10 %              |
| <u>101-5307-511150</u>                                   | MEDICARE TAX               | 5,745.00                 | 5,745.00                | 219.23             | 3,806.06           | 1,938.94                               | 33.75 %              |
| <u>101-5307-511160</u>                                   | WORKERS COMP INSURANCE     | 22,544.00                | 22,544.00               | 0.00               | 6,984.92           | 15,559.08                              | 69.02 %              |
| <u>101-5307-511180</u>                                   | UNEMPLOYMENT TAX           | 3,500.00                 | 3,500.00                | 12.89              | 2,009.71           | 1,490.29                               | 42.58 %              |
| <b>Category: 51 - Personal services Total:</b>           |                            | <b>565,892.00</b>        | <b>565,892.00</b>       | <b>17,775.29</b>   | <b>361,861.30</b>  | <b>204,030.70</b>                      | <b>36.05 %</b>       |
| <b>Category: 52 - Other charges</b>                      |                            |                          |                         |                    |                    |                                        |                      |
| <u>101-5307-522043</u>                                   | TRAVEL AND TRAINING        | 0.00                     | 0.00                    | 0.00               | 507.00             | -507.00                                | 0.00 %               |
| <u>101-5307-522095</u>                                   | SPECIAL PROJECTS           | 12,000.00                | 12,000.00               | 0.00               | 5,666.74           | 6,333.26                               | 52.78 %              |
| <u>101-5307-522625</u>                                   | MAINT-TOOLS & EQUIP        | 500.00                   | 500.00                  | 0.00               | 0.00               | 500.00                                 | 100.00 %             |
| <u>101-5307-522628</u>                                   | MAINT-OTHER                | 1,000.00                 | 1,000.00                | 0.00               | 319.24             | 680.76                                 | 68.08 %              |
| <u>101-5307-522634</u>                                   | MAINT-MACHINERY            | 55,000.00                | 55,000.00               | 0.00               | 53,058.89          | 1,941.11                               | 3.53 %               |
| <u>101-5307-522636</u>                                   | MAINT-VEHICLES             | 20,000.00                | 20,000.00               | 0.00               | 14,377.12          | 5,622.88                               | 28.11 %              |
| <u>101-5307-522810</u>                                   | OTHER SERVICES             | 1,400.00                 | 1,400.00                | 0.00               | 539.00             | 861.00                                 | 61.50 %              |
| <b>Category: 52 - Other charges Total:</b>               |                            | <b>89,900.00</b>         | <b>89,900.00</b>        | <b>0.00</b>        | <b>74,467.99</b>   | <b>15,432.01</b>                       | <b>17.17 %</b>       |
| <b>Category: 53 - Contractual services</b>               |                            |                          |                         |                    |                    |                                        |                      |
| <u>101-5307-533034</u>                                   | STORM WATER PROJECT        | 0.00                     | 0.00                    | 0.00               | 15,976.00          | -15,976.00                             | 0.00 %               |
| <b>Category: 53 - Contractual services Total:</b>        |                            | <b>0.00</b>              | <b>0.00</b>             | <b>0.00</b>        | <b>15,976.00</b>   | <b>-15,976.00</b>                      | <b>0.00 %</b>        |
| <b>Category: 54 - Supplies</b>                           |                            |                          |                         |                    |                    |                                        |                      |
| <u>101-5307-544012</u>                                   | CLOTHING & LINENS          | 9,100.00                 | 9,100.00                | 0.00               | 6,558.79           | 2,541.21                               | 27.93 %              |
| <u>101-5307-544016</u>                                   | MOTOR FUEL & LUBE          | 25,000.00                | 25,000.00               | 0.00               | 25,685.28          | -685.28                                | -2.74 %              |
| <u>101-5307-544020</u>                                   | MINOR TOOLS                | 1,500.00                 | 1,500.00                | 0.00               | 0.00               | 1,500.00                               | 100.00 %             |
| <u>101-5307-544045</u>                                   | OTHER SUPPLIES             | 9,000.00                 | 9,000.00                | 0.00               | 6,556.83           | 2,443.17                               | 27.15 %              |
| <b>Category: 54 - Supplies Total:</b>                    |                            | <b>44,600.00</b>         | <b>44,600.00</b>        | <b>0.00</b>        | <b>38,800.90</b>   | <b>5,799.10</b>                        | <b>13.00 %</b>       |
| <b>Category: 55 - Capital outlay</b>                     |                            |                          |                         |                    |                    |                                        |                      |
| <u>101-5307-550100</u>                                   | CAPITAL OUTLAY             | 18,200.00                | 18,200.00               | 0.00               | 14,372.37          | 3,827.63                               | 21.03 %              |
| <u>101-5307-550110</u>                                   | EQUIPMENT/OFFICE FURNITURE | 0.00                     | 0.00                    | 0.00               | 66.25              | -66.25                                 | 0.00 %               |
| <b>Category: 55 - Capital outlay Total:</b>              |                            | <b>18,200.00</b>         | <b>18,200.00</b>        | <b>0.00</b>        | <b>14,438.62</b>   | <b>3,761.38</b>                        | <b>20.67 %</b>       |
| <b>Department: 5307 - DRAIN DITCH MAINTENANCE Total:</b> |                            | <b>718,592.00</b>        | <b>718,592.00</b>       | <b>17,775.29</b>   | <b>505,544.81</b>  | <b>213,047.19</b>                      | <b>29.65 %</b>       |



| STORM EVENT | EXISTING STRUCTURES IN FLOODPLAIN | PROPOSED STRUCTURES IN FLOODPLAIN | AVERAGE WSE REDUCTION | TOTAL STRUCTURES REMOVED |
|-------------|-----------------------------------|-----------------------------------|-----------------------|--------------------------|
| 10          | 634                               | 534                               | 0.72"                 | 100                      |
| 50          | 1057                              | 910                               | 2.04"                 | 147                      |
| 100         | 1217                              | 1058                              | 2.76"                 | 159                      |
| 500         | 1545                              | 1385                              | 3.24"                 | 160                      |

\*\*Assuming 8" foundation for all structures in the project area

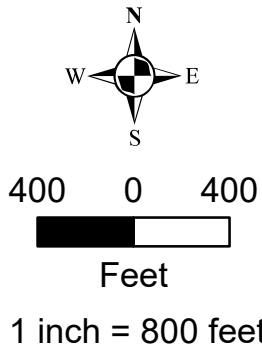
Attachment RFI #2-2



City of Weslaco Storm Water Hazard Mitigation Grant

- NODES
- OPEN CHANNEL
- CULVERTS/CROSSINGS
- LINKS
- REMOVED STRUCTURE
- POND GRADING
- PROJECT 100-YEAR FP
- EXISTING 100-YEAR FP
- HCAD STRUCTURES
- PROJECT IMPROVEMENTS

PROJECT 3  
100-Year Floodplain Map  
EXHIBIT 12



NOTES:  
LINE A: 8'x6' RCB, Junction Boxes, Curb Inlets, and Street Pavement Repairs.

- Approximate Length = 2,800 ft.
- Approximate Depth = 10 to 11 ft.
- Approximate Surface Area Width = 24 ft
- The 24 Type C Curb Inlets are located at low points along the streets in the vicinity of LINE A (Roughly every 300 ft).

HEADWALL: Headwall Structure at RCB Outfall into Ditch

- Approximate Existing Surface Elevation = 72 ft
- Approximate Proposed Elevation of Outfall Structure = 62 ft

DITCH: HCDD1 Channel No. 18B3

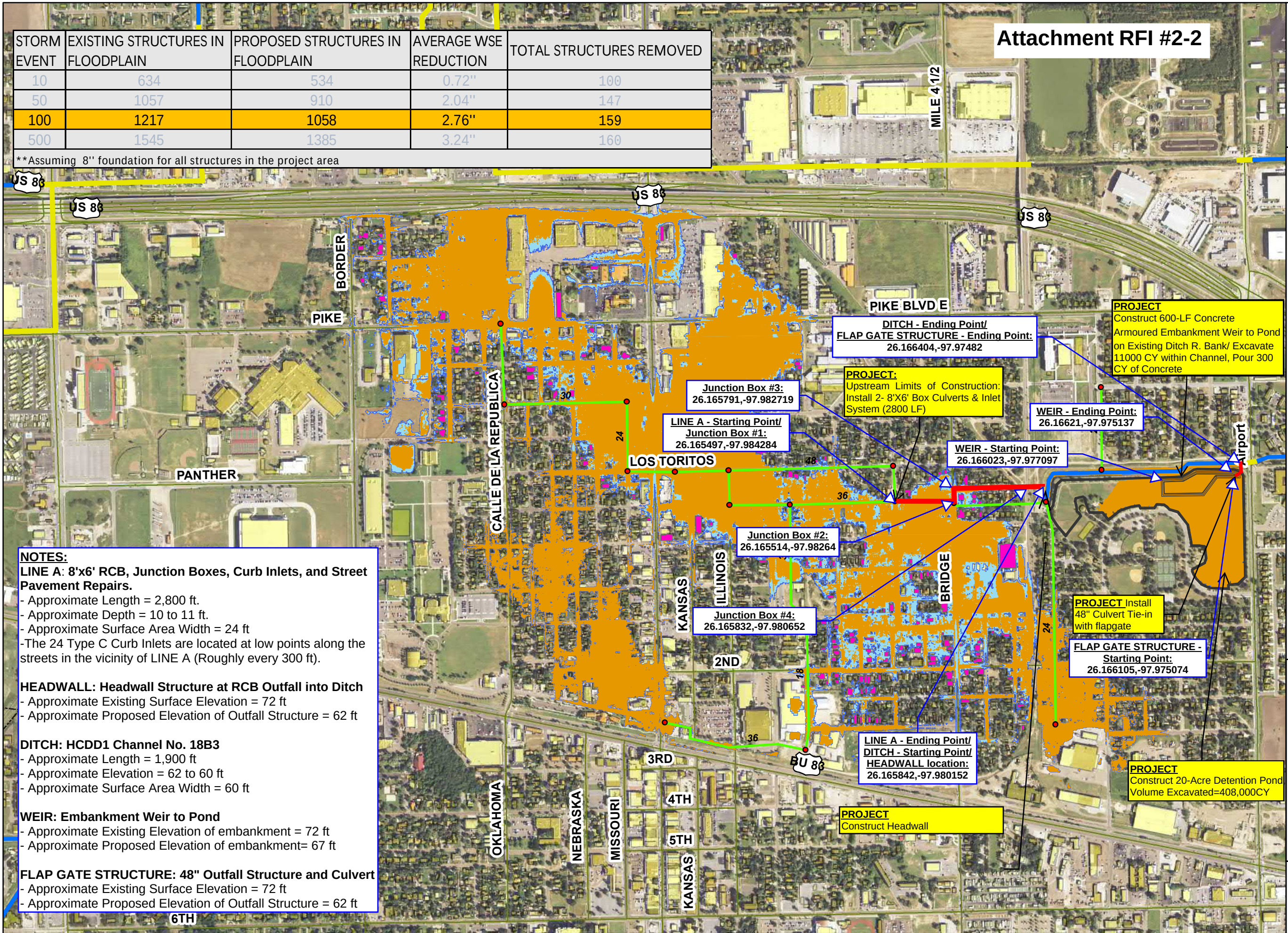
- Approximate Length = 1,900 ft
- Approximate Elevation = 62 to 60 ft
- Approximate Surface Area Width = 60 ft

WEIR: Embankment Weir to Pond

- Approximate Existing Elevation of embankment = 72 ft
- Approximate Proposed Elevation of embankment= 67 ft

FLAP GATE STRUCTURE: 48" Outfall Structure and Culvert

- Approximate Existing Surface Elevation = 72 ft
- Approximate Proposed Elevation of Outfall Structure = 62 ft





## **TWDB FIF - CATEGORY 3**

### **HIDALGO COUNTY, TEXAS CITY OF WESLACO**

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#### **LIST OF GEOGRAPHIES FOR SVI CALCULATION**

The affected areas of the project are shown in the attached Census Map. They are as follows:

- Census Tract 225.02, Block Group 2
- Census Tract 226, Block Group 1
- Census Tract 226, Block Group 2

The SVI was provided by the CDC SVI Interactive Map for the year 2016 which is the latest year shown in the map. The map only shows the SVI for the Tracts and not for the individual Groups of the Tracts. The following Tracts were used for the weighted calculation:

- Census Tract 225.02
- Census Tract 226

The Calculations are on the following attached sheet.



# HIDALGO COUNTY, TEXAS

## City of Weslaco

### WEIGHTED AVERAGE for Social Vulnerability Index (SVI)

| Census Tract                                                                                         | SVI    | Population   | SVI x Population |
|------------------------------------------------------------------------------------------------------|--------|--------------|------------------|
| Census Tract 225.02, Hidalgo County, Texas                                                           | 0.9364 | 5,667        | 5306.58          |
| Census Tract 226, Hidalgo County, Texas                                                              | 0.8552 | 1,932        | 1652.25          |
| <b>Total</b>                                                                                         |        | <b>7,599</b> | <b>6,958.83</b>  |
| <b>WEIGHTED SVI = <math>\frac{\text{Total (SVI x Population)}}{\text{Total (Population)}}</math></b> |        |              | <b>0.9158</b>    |



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# Texas Severe Storms And Flooding (DR-4454)

Navigation

Search

Languages

Incident Period: June 24, 2019 - June 25, 2019

Major Disaster Declaration declared on July 17, 2019

Apply for Assistance (<https://www.disasterassistance.gov/>)

Texas Severe Storms  
And Flooding (DR-  
4454)  
(/disaster/4454)

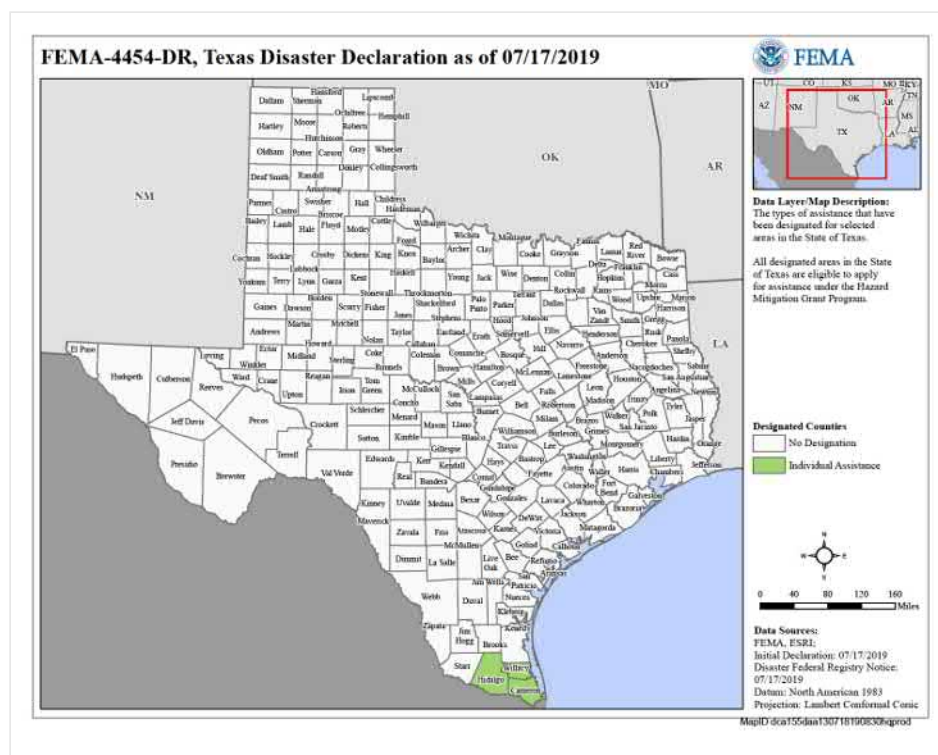
Designated Areas  
(/disaster/4454/designated-  
areas)

Disaster Federal  
Register Notices  
(/disaster/4454/notices)

Individual Assistance  
Declaration Factors  
(/individual-  
assistance-  
declaration-factors)

FOIA Statistics  
(/disaster/4454/foia)

News  
(/disaster/4454/updates-  
blog-and-news)



[PDF of Map \(//gis.fema.gov/maps/dec\\_4454.pdf\)](https://gis.fema.gov/maps/dec_4454.pdf) [Google Earth \(//gis.fema.gov/maps/dec\\_4454.kmz\)](https://gis.fema.gov/maps/dec_4454.kmz) [Need help with this map? \(/webform/ask-question\)](https://webform.ask-question)

Individual Assistance Applications  
Approved: 2,398

Total Individual & Households Program  
Dollars Approved: \$12,864,402.13

## Designated Counties (Individual Assistance):

Cameron, Hidalgo, Willacy

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### Additional Resources:

- [Referrals List \(https://www.fema.gov/media-library/assets/documents/181773\)](https://www.fema.gov/media-library/assets/documents/181773)

 [Expand All Sections](#)

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[News Releases And Fact Sheets](#)

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[Disaster Recovery Centers](#)

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[\(\(//www.usa.gov\) DisasterAssistance.gov](https://www.usa.gov/DisasterAssistance.gov)

[\(https://www.disasterassistance.gov/\)](https://www.disasterassistance.gov/)



[\(\(https://www.oig.dhs.gov/hotline\)](https://www.oig.dhs.gov/hotline)

 Official website of the Department of Homeland Security





**FEMA** (/)

# Texas Severe Storms And Flooding (DR-4377)

Navigation

Search

Languages

Incident Period: June 19, 2018 - July 13, 2018

Major Disaster Declaration declared on July 06, 2018

Apply for Assistance (<https://www.disasterassistance.gov/>)

Texas Severe Storms  
And Flooding (DR-  
4377)  
(/disaster/4377)

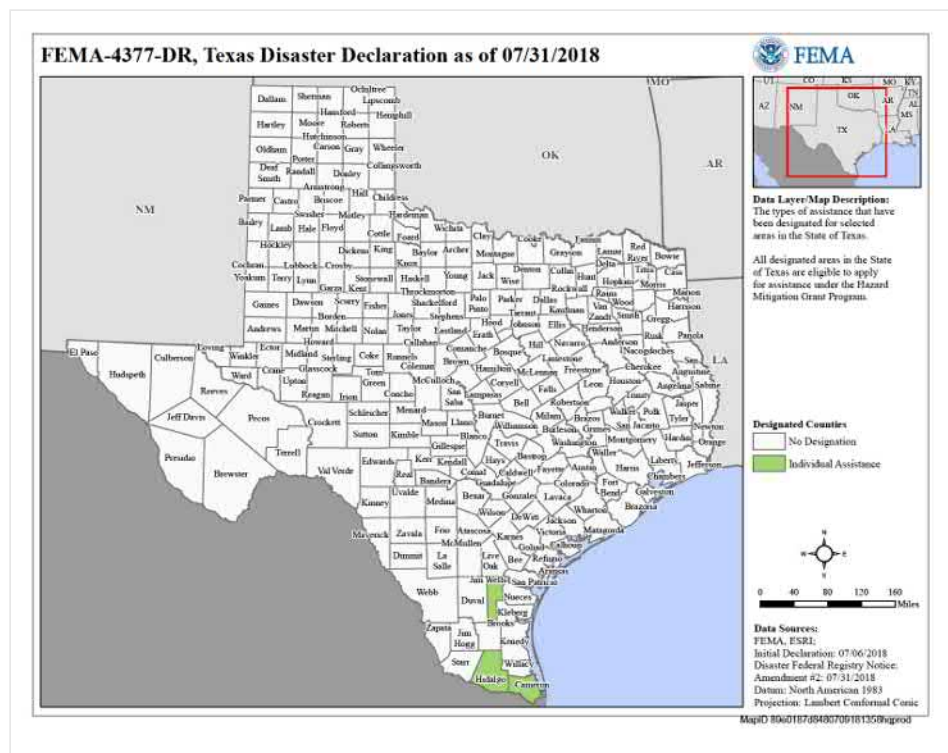
Designated Areas  
(/disaster/4377/designated-  
areas)

Disaster Federal  
Register Notices  
(/disaster/4377/notices)

Individual Assistance  
Declaration Factors  
(/individual-  
assistance-  
declaration-factors)

FOIA Statistics  
(/disaster/4377/foia)

News  
(/disaster/4377/updates-  
blog-and-news)



[PDF of Map \(//gis.fema.gov/maps/dec\\_4377.pdf\)](https://gis.fema.gov/maps/dec_4377.pdf) [Google Earth \(//gis.fema.gov/maps/dec\\_4377.kmz\)](https://gis.fema.gov/maps/dec_4377.kmz) [Need help with this map? \(/webform/ask-question\)](https://webform.ask-question)

Individual Assistance Applications  
Approved: 5,117

Total Individual & Households Program  
Dollars Approved: \$30,651,039.60

## Designated Counties (Individual Assistance):

Cameron, Hidalgo, Jim Wells

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> Expand All Sections

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> Financial Assistance

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> Preliminary Damage Assessment Report

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> Related Links

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[\(/https://www.oig.dhs.gov/hotline\)](https://www.oig.dhs.gov/hotline)

 Official website of the Department of Homeland Security





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# Texas Hurricane Harvey (DR-4332)

[Navigation](#)
[Search](#)
[Languages](#)

Incident Period: August 23, 2017 - September 15, 2017

Major Disaster Declaration declared on August 25, 2017

Texas Hurricane Harvey (DR-4332)  
(/disaster/4332)

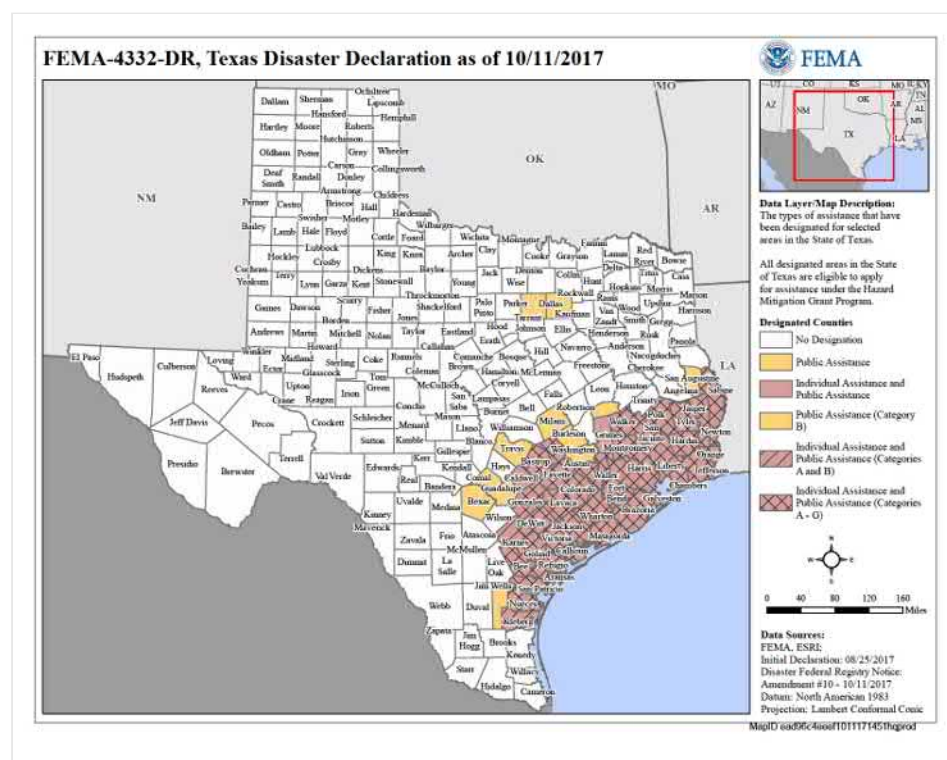
Designated Areas  
(/disaster/4332/designated-areas)

Disaster Federal Register Notices  
(/disaster/4332/notices)

Individual Assistance Declaration Factors  
(/individual-assistance-declaration-factors)

FOIA Statistics  
(/disaster/4332/foia)

News  
(/disaster/4332/updates-blog-and-news)



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(//gis.fema.gov/maps/dec\_4332.kmz) [Need help with this map?](#)  
(/webform/ask-question)

Individual Assistance Applications  
Approved: 373,150

Total Individual & Households Program  
Dollars Approved: \$1,656,894,979.68

Total Public Assistance Grants  
Dollars Obligated: \$2,165,352,483.27



## Designated Counties (Individual Assistance):

Aransas, Austin, Bastrop, Bee, Brazoria, Caldwell, Calhoun, Chambers, Colorado, DeWitt, Fayette, Fort Bend, Galveston, Goliad, Gonzales, Grimes, Hardin, Harris, Jackson, Jasper, Jefferson, Karnes, Kleberg, Lavaca, Lee, Liberty, Matagorda, Montgomery, Newton, Nueces, Orange, Polk, Refugio, Sabine, San Jacinto, San Patricio, Tyler, Victoria, Walker, Waller, Wharton

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## Quick Links

- Visit our recovery resources (<https://www.fema.gov/news-release/2017/09/22/fact-sheet-resources-help-you-recover-hurricane-harvey>) page for a list of resources to help you recover from Hurricane Harvey.
- Visit our Hurricane Harvey Facebook Page (<https://www.facebook.com/FEMAHarvey/>) for recovery related information and updates.
- To locate a hotel that participates in FEMA's Transitional Sheltering Assistance (TSA) program, visit our interactive map (<http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=d9804d50c7e140e2a659aba91dd9e307>) to find one near you.