



REQUEST FOR QUALIFICATIONS
RFQ 2021-003
“ENGINEERING SERVICES FOR
MANGANA-HEIN ROAD EXTENSION PROJECT”

Prepared by:

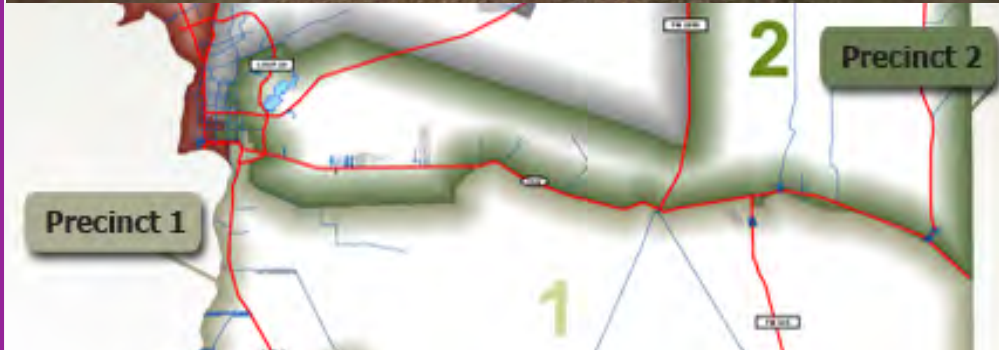


2805 Fountain Plaza Blvd., Ste. A
Edinburg, Tx 78539
(956) 603-2025

In Association with:



March 12, 2021



ORIGINAL ELECTRONIC SUBMITTAL



THIS FORM MUST BE INCLUDED WITH RFQ PACKAGE; PLEASE CHECK OFF EACH ITEM INCLUDED WITH RFQ PACKAGE AND SIGN BELOW TO COMPLETE SUBMITTAL OF EACH REQUIRED ITEM.

RFQ # 2021-003

“Engineering Services for Mangana-Hein Road Extension Project”

- Statement of Qualifications

- Proposers Information form

- Conflict of Interest form (Form CIQ)

- Certification regarding Debarment (Form H2048)

- Certification regarding Federal lobbying (Form 2049)

- Purchasing Code of Ethics Affidavit

- Proof of No Delinquent Tax Owed to Webb County



Signature of Authorized Official completing RFQ

3/12/2021

Date



RFQ 2021-003 Engineering Services for Mangana-Hein Addendum 1

Extension Project

Issue Date: 2/19/2021

Questions Deadline: 2/26/2021 05:00 PM (CT)

Response Deadline: 3/12/2021 10:00 AM (CT)

Contact Information

Contact: Mr. Juan Guerrero Contract Administrator
Address: 1110 Washington St.
Suite 101
Laredo, TX 78040
Phone: (956) 523-4149
Email: juguerrero@webbcountytx.gov

Event Information

Number: RFQ 2021-003 Engineering Services for Mangana-Hein Addendum 1
Title: Extension Project
Type: Request For Qualifications
Issue Date: 2/19/2021
Question Deadline: 2/26/2021 05:00 PM (CT)
Response Deadline: 3/12/2021 10:00 AM (CT)
Notes:

Download All Attachments

Please upload your response documents in the "Response Attachments" tab before completing your submission.

Bid Attachments

RFQ 2021-003 Engineering Services for Mangana-Hein Road Extension Project.pdf

[Download](#)

RFQ 2021-003

Additional Forms.pdf

[Download](#)

Additional Forms

B - CITY LAREDO.StandardTechnicalSpecificationsManual.pdf

[Download](#)

Attachment B

General Affidavit Purchasing Ethics.pdf

[Download](#)

Affidavit

Addendum 1.pdf

[Download](#)

Addendum 1

Map Attachment A.pdf

[Download](#)

Attachment A

Supplier Information

Company Name: GDJ Engineering, LLC

Contact Name: Robert J. Macheska, P.E., CFM - Executive VP-COO

Address: 2805 Fountain Plaza Blvd. Ste. A
Edinburg, Tx 78539

Phone: (956) 603-2025


Fax: _____

Email: robert@gdjeng.com

Supplier Notes

By submitting your response, you certify that you are authorized to represent and bind your company.

Robert J. Macheska, P.E., CFM - Executive VP-COO
Print Name


Signature

March 12, 2021

Mr. Juan Guerrero, Contract Administrator
Webb County Purchasing Department
1110 Washington St., Ste. 101
Laredo, Texas 78040

Re: Request for Qualifications – “Engineering Services for Mangana-Hein Road Extension Project”
RFQ No. 2021-003

Dear Mr. Guerrero,

On behalf of the GDJ Team and as Legal Representative of GDJ Engineering LLC, who will be the prime consultant (executor of the contract) we enthusiastically submit this Statement of Qualifications to provide **Professional Services** to Webb County. As you are aware Webb County sits at the center of both international trade with Mexico and as a major hub for oil and gas exploration and production in the state of Texas. All growth trends in the County indicate that there will be a need for transportation, drainage, and general infrastructure upgrades to efficiently move heavy commercial traffic to stimulate the local economy as well as expansion of local County roads to ensure the safety of the traveling public. We are aware that the County does an excellent job serving both the urban and rural needs of the region.

The GDJ team has planning experts on staff to assist the County with any needed coordination with TxDOT on the County Transportation Infrastructure Fund (CTIF) Grant Program to accelerate the construction of the project and source any additional state and or federal funds that may be needed for Construction Engineering, or Construction. The team understands local, state, and federal guidelines and requirements to expedite the project development. This includes the process of partnering with TxDOT to develop projects to a “Ready to Let” status where TxDOT will allow a project to utilize state and federal funds for design, Right-of-Way, Construction, and Construction Engineering and Inspection. GDJ staff is also proficient with the coordination of Economically Disadvantaged County or Advanced Funding Agreements with TxDOT to ensure the maximum reimbursement for project related expenses.

GDJ has been in existence since 2017 and GDJ staff have been involved in project development, civil engineering, design, utility coordination, and construction management in the Rio Grande Valley for over 19 years and has a combined experience of over 85 years. Key staff are native to the region, are intimately familiar with the challenges posed by regional drainage issues and have completed comparable projects in the region and the state. Additionally, key staff has been intimately involved with all individual MPO’s in the region as well as being involved in the recent merging of the three MPO’s in the Rio Grande Valley into the current RGVMPPO.

The GDJ team is comprised of a team of the following project partners who are experts in their respective fields and have extensive experience managing local government transportation and infrastructure projects. We are also in receipt of the City of Laredo Specification Manual and its provisions; we understand this project will be designed in accordance with this manual and permitting requirements as per the RFQ.

GDJ Project Team	
GDJ Engineering	<i>Engineering and Project Team Lead</i>
The Brighton Group	<i>Project/Construction Management and Right-of-Way Acquisition</i>
Gilpin Engineering & Surveying	<i>Surveying and Right-of-Way Mapping</i>
B2Z Engineering	<i>Geotechnical Engineering</i>

- **The Brighton Group**

The Brighton Group brings 20+ years of municipal project management, TxDOT project management and construction inspection, and TxDOT Right-of-Way acquisition services to the table. This extensive experience will allow the team to develop a Capital Improvement Plans (CIP) for this project. Additionally, Mr. Joseph Palacios is an area native and has extensive experience with the development and funding of CIP documents for local governments. This experience will be critical to evaluate data and develop project plans that can be funded, constructed quickly and efficiently, and at a low cost to the taxpayer.

- **Gilpin Engineering Company**

A critical component to any project is the survey data used as the foundation of all design data to develop projects. Gilpin Engineering has over 20 years of experience working throughout Texas and has a local Laredo office to fully serve the County. The Gilpin team has a thorough understanding of the project development process with respect to the survey and utility coordination. Gilpin Engineering has provided land surveying solutions for a wide range of clients and projects in Webb County.

- **B2Z Engineering**

The geotechnical testing and subsequent pavement design is a key item when completing a roadway project. B2Z engineering has over 11 years of statewide experience with these tasks including a staff consisting of TxDOT pre-certified and trained drillers. B2Z Engineering has a local office as well as offices throughout Texas and has recently been selected by TxDOT to perform statewide geotechnical engineering tasks for TxDOT.

The GDJ Team is committed to provide excellent service and protect the County and its partners by providing accurate estimates to ensure speedy and efficient project development that uses all available resources to ensure the project is shovel ready, constructed on time, within budget, and of the highest quality to maximize the benefit to the local taxpayer.

On behalf of the GDJ Team, I would again like to thank you for the opportunity to be of service to the citizens of Hidalgo County and to help you meet our community's infrastructure needs. As legal representative of the GDJ Team I am able execute any necessary contract documents with Webb County. Should you have any questions or require additional information, please do not hesitate to contact me, Robert Macheska, P.E. at (956) 603-2025.

Sincerely Yours,



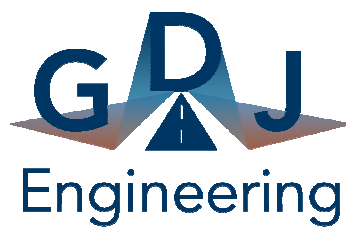
Robert Macheska, P.E., CFM
Executive VP/COO
GDJ Engineering, LLC
robert@gdjeng.com



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Required Forms and Certifications	Appendix A
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◆ Addendum 1 & Attachment A Map	
◆ Conflict of Interest Questionnaire (Form CIQ)	
◆ Certification Regarding Debarment (Form H2048)	
◆ Certification Regarding Federal Lobbying (Form 2049)	
◆ Purchasing Code of Ethics Affidavit	
◆ Proof of No Delinquent Tax Owed to Webb County	
◆ Certificate of Insurance & Minimum Insurance Requirement	
◆ Professional Licenses	

Section I – Project Understanding





Webb County is seeking to contract with a competent engineering firm, registered and licensed in the State of Texas with experience in the following areas:

- Roadway, Bridge and General Design and Construction
- Federal, State and County-Funded Construction Projects
- Utility Engineering, Adjustment Coordination, SUE, and Survey
- Geotechnical Investigations
- Construction Phase Services (Construction Engineering and Inspection)

The **GJD Engineering Team (GDJ)** expects the work to be primarily composed of transportation and drainage related projects. The primary areas where the team is prepared to provide services includes, but is not limited to:

Advanced Planning / Preliminary Engineering

- Route and Design Studies
- Social, Economic, Env. Studies and Public Involvement
- Right of Way Maps and Data
- Utility Adjustments
- Surveying
- Schematics

Construction Phase / Management Services

- Contract Management and Administration
- Document Control (Submittals, RFIs, CO's)
- Material Engineering and Testing Services
- Schedule of Values Monitoring and Review
- Project Schedule Monitoring and Review
- Project Closeout

Special Studies / Design

- Excavations and Trenches
- Dams and Cut or Filled Slopes
- Pavement Design
- Water and Waste Retention / Disposal

Final Design / Preparation of PS&E

- Roadway Design
- Drainage Design
- Solid Waste Facility Design
- Signing and Pavement Markings
- Signalization / Traffic Control
- Bridge Design / Retaining Wall Design
- Plan Drawings, Specifications, and Cost Estimate

Final Design - Building

- Building Design
- Design of Alterations/Renovations
- Plan Drawings, Specifications, and Cost Estimate
- Bid Package Preparation

Other Engineering Services

- Utility Engineering and Coordination
- Surveying and SUE
- Geotechnical Engineering
- Construction Engineering and Inspection

Key GDJ Staff have extensive experience coordinating with TxDOT, the local Drainage and Irrigation District(s) and state and federal oversight agencies such as the International Boundary and Water Commission, United States Fish and Wildlife Service, Texas Parks and Wildlife, US Army Corps of Engineers, and many others. Additionally, staff is familiar with the regulations and various Memorandum of Understanding (MOU) that these agencies have with agencies such as TxDOT. The coordination of these items early in project development can serve to accelerate the path to construction for Webb County and conserve local tax dollars.

The GDJ Team is familiar with local, state, and federal requirements for projects that are constrained by a funding source / oversight agency, specifically the County Transportation Infrastructure Fund Grant Program. This program was created by the Texas Legislature and is being administered by TxDOT. GDJ is fully aware the County Transportation Infrastructure Program must be performed in accordance with all applicable laws, rules and regulations. The agreement and Program Implementation Procedures were developed to assist each county and TxDOT in achieving full compliance while keeping project development and administration activities at reasonable levels of effort and within the requirements are contained in the Texas Uniform Grant Management Standards, the Texas Transportation Code and the Texas Administrative Code.



Roadway / Highway

The GDJ team has a thorough understanding of TxDOT's Design Division Operations and Procedures Manual (hereinafter referred to as the Design Manual). The Design Manual establishes the policies for operations and procedures for preliminary project planning and development; geometric design; base and pavement design; and preparing plans, specifications, and estimates. It is not all-inclusive and does not establish legal standards for design. It is used to supplement engineering experience, knowledge and judgment. AASHTO's manual, "A Policy on Geometric Design of Highways and Streets," is used by the team as a supplement to TxDOT's Design Manual for guidance in those areas not included or covered by the Design Manual.

Chapter 4 of the Design Manual provides the guidelines for preparation of resurfacing, restoration, and rehabilitation guidelines. Resurfacing, restoration, or rehabilitation (3R) guidelines are intended to preserve and extend the life of non-freeway classes of roadways. Projects prepared under the 3R guidelines may include safety enhancements, but safety may not be the reason for the initiation of a 3R project. However, if the existing roadway does not meet the minimum criteria under 3R guidelines, Part IV of the Design Manual should be used. Most preventive maintenance and off-system bridge replacement projects are prepared under 3R guidelines. Other improvements, which can be made under RRR guidelines, include minor widening, flattening of steep side slopes, removal of roadside obstructions, rehabilitation or replacement of bridge railings, and approach signing and delineation of bridges.

Part IV of the Design Manual is more comprehensive than the guidelines in Chapter 4 and should always be used for freeway projects. Part IV guidelines should always take precedence over the AASHTO design guide unless no guideline exists in Part IV and Part IV-Metric include guidelines for development of traffic data for a project. As this is the basis for any improvements to be made, it is essential that this information be as complete as possible. Traffic data will include Average Daily Traffic, Design Hourly Volume, and should also include 18K Equivalent Single Axle Loads (ESAL's). Traffic requested for a project should be a 20/30-year time frame dependent on class of facility and expected pavement type. Flexible pavements should be designed for a minimum of 20 years and rigid pavements should be designed for a minimum of 30 years. The design life of a project should be the build-out year (year expected to place traffic on the road) plus the 20 or 30 year design life. More guidance on this process can be found in TxDOT pavement design manuals as well as AASHTO's "Guide for the Design of Pavement Structures."

Construction Contract Management & Inspection

Construction contract management involves the inspection of construction methods and materials to ensure compliance with the plans and specifications. Construction inspection is an important part of the project but its importance is usually downplayed. A daily presence at the job site and constant communication with the contractor as well as adequate amounts of material testing are key elements of a successful construction contract management program.

Geotechnical and Special Services

Geotechnical studies include slope stability analysis and the Texas Cone Penetrometer Test. These tests are used to design retaining wall structures or deep foundations for bridges. The location of the ground water elevation can also be determined during the Texas Cone Penetrometer Test.

The GDJ Team is very familiar with the local geographic area as is evidenced by the list of projects presented in subsequent sections. All the task leaders have worked for the Texas Department of Transportation and have gained a thorough understanding of the unique problems that we are faced with in Webb County. One such item is the lack of any appreciable relief in the topography of the area. This problem is less prominent towards the western part of the county, but it is a factor towards the middle and eastern portion of the county. The flat nature of the land causes runoff to drain slowly and usually requires the use of detention basins to prevent flooding problems from occurring. While drainage issues are a problem in some areas, one unique quality of Webb County that is beneficial is the presence of large amounts of material suitable for use in highway construction. Caliche pits are abundant in the western part of the county and that helps lower the construction costs of projects compared to other parts of the state.



The GDJ Team also uses all of the references listed below on its designs:

- Standard Specifications for Construction of Highways, Streets, and Bridges - TxDOT
- Special Provisions and Special Specifications - TxDOT
- PS&E Preparation Manual - TxDOT
- Bridges and Structures Operation and Planning
- Design Manual - TxDOT
- Hydraulic Design Manual - TxDOT
- Bridges and Structures Design Examples - TxDOT
- Bridges and Structures Design Guide - TxDOT
- Bridges and Structures Detail Manual - TxDOT
- Bridges and Structures Foundation Exploration and Design Manual - TxDOT
- Highway Design Operations and Procedures Manual - TxDOT
- A Policy on Geometric Design of Highways and Streets ("The Green Book") - AASHTO
- Highway Capacity Manual Special Report 209 - Texas Research Board (TRB)
- Guide for the Design of Pavement Structures, 1986 - AASHTO
- Texas Manual on Uniform Traffic Control Devices
- Standard Specifications for Structural Supports for Highway Signs, Luminaries, & Traffic Signals – AASHTO Signs and Pavement Marking Manual – TxDOT
- Utility Accommodation Policy – TxDOT
- Utility Manual - TxDOT
- Code of Federal Regulations, Title 23 - "Highway"
- Federal Register
- Administrative Order No. 5-89 - Signing, Sealing, & Dating of Engineering Documents - TxDOT
- Administrative Circular No. 26-91 - Minimum Signing, Sealing, and Dating Procedures for Department
- Administrative Circular No. 25-84 - Soils Information forecast Lighting, Overhead Sign Bridges, and Retaining Walls - TxDOT
- Administrative Circular No. 33-87 - Preliminary Retaining Wall Layouts to be submitted to Division of Bridges and Administrative Circular No. 25-92 - Division of Bridges and Structures to be responsible for all geotechnical
- Pavement Design Manual - TxDOT

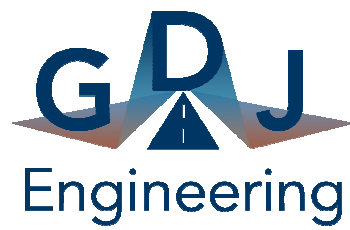
The GDJ Team will follow the following Federal/State statutes/regulations:

- Clean Water Act (33 U.S. Section 1251-1387)
- National Historical Preservation Act (16 USC Section 470-470W-6)
- Endangered Species Act (16 USC Section 1531-1544)
- Texas Antiquities Code
- FHWA Environmental Impact (23 CFR 771)
- Wetlands Regulation (33 CFR Parts 320 et. seq.; 40 CFR, Part 231)

The GDJ Team uses the following computer software programs and specialty services as described:

- Bentley Openroads, Microstation V8 Series and/or GEOPAK for facility design and detailing, roadway geometry quantity calculation, presentation, and development of all phases of project development
- GEOPAK Drainage for the design of storm water systems.
- HEC-HMS, TR-55, HEC-2, HECRAS, and SWMM for hydrologic and hydraulic analysis and HY-9 for Bridge Scour
- WSPRO for bridge backwater calculations
- FPS-11 and FPS-19 for flexible pavement and TSLAB86 for rigid pavement designs
- MODULUS 5.0 for back calculation of subgrade modulus for pavement design
- STAAD3; SAIPLANE; ENBEAM; CAP18/B30;
- PSTRS14/FRAEMEII; BFAST - Structural/Bridge Programs
- ESRI ArcGIS Software
- Project Development Management
- Facility Analysis and Master Planning
- Site Planning and Analysis
- Water / Wastewater Collection and Treatment
- Drainage Ditch Design
- Special Use District Creation

Section II – Personnel and Firm Experience





FIRM QUALIFICATIONS

GDJ Engineering, LLC. (GDJ) is a diverse, multi-discipline engineering company with experience in a wide variety of fields including transportation planning, highway/ civil, structural/bridge, construction management, environmental document preparation & permitting, GIS services, and ROW acquisition.

GDJ personnel have a combined experience of over 85 years. Our engineers and designers possess the knowledge for planning, design, construction, and management of the transportation infrastructure critical to the growth of our region and the state. GDJ's Transportation Department is equipped to work individually or in a team environment to establish concepts, set project goals, and deliver measurable results to every assignment. As project constraints and challenges arise, our staff thrives to bring innovative ideas to the table for creating an opportunistic solution. We believe in a balanced design concept which meets the operational objectives, produces sustainability for tomorrow, context sensitive solutions and adherence to a time-sensitive budget. Achieving these results require empowering our staff to develop unique ideas which add value for our clients and maximize their investment. GDJ staff has developed projects with a variety of public entities including local cities, counties, Regional Mobility Authorities (RMAs), Metropolitan Planning Organizations (MPOs), and the Texas Department of Transportation (TxDOT). GDJ's managerial staff is pre-certified by TxDOT in a multitude of categories, brings over 45 years of development, design, and construction experience, and has completed numerous transportation infrastructure projects.

For more than thirteen years, GDJ staff has served in an advisory position providing coordination services for various governmental entities at the local MPOs, including Webb County, The City of Laredo, the City of Mission, Hidalgo County, Hidalgo County Regional Mobility Authority, Cameron County, Cameron County Regional Mobility Authority, the City of Laredo, and Webb County. Duties included coordinating with staff and elected officials to prioritize local resources and assure projects were properly programmed on the MPO planning documents.

In addition to preparing project fact (budget) sheets and project planning, GDJ staff is proficient in the coordination of Advanced Funding Agreements with TxDOT. These agreements are critical to ensure TxDOT review of engineering and environmental documents. Proper coordination by firm staff of advanced planning ensured local reimbursement for locally administered projects with state and federal funding. Additionally, an analysis of existing projects sometimes allowed for projects experiencing delays could be adjusted to allow "shovel ready" projects to be constructed. Expediting the letting of projects often results in a savings in construction cost due to avoidance of escalation.

The GDJ Principal Project Manager and COO of GDJ Engineering, Mr. Robert Macheska, has been involved with all aspects of project development from inception to construction in the region for over 20 years. His duties covered hydrologic studies, roadway and hydraulic design, utility coordination, public meeting presentations, management of project development, final plan review, and construction inspection/management. Mr. Macheska has continued his project management and construction management duties, ensuring all projects under his direction were designed, let and built according to specifications and within budget. Mr. Macheska has designed and/or analyzed the hydraulics on numerous watershed areas, open channels, culverts, bridges and urban storm sewer systems. He has designed numerous roadways, overseen environmental clearances, developed hydraulic studies, calculated design discharges and sized pipes.



Every firm and individual chosen to represent the GDJ Team on the endeavor has unique experience in working with federal, state, local, and other political subdivisions to complete both small and large locally initiated infrastructure projects. The GDJ Team members have developed multiple projects with governmental agencies including: Cameron County, Cameron County Drainage District #3, Cameron County Regional Mobility Authority, Hidalgo County, Hidalgo County Regional Mobility Authority, Hidalgo County Drainage District #1 and TxDOT. In addition, our team members have directly coordinated with multiple regulatory agencies such as the TxDOT, the Texas Water Development Board, International Boundary and Water Commission, US Army Corps of Engineers, Texas Commission on Environmental Quality and Texas Historical Commission.

The GDJ Teams current and past client list includes the Counties of Webb, Hidalgo, Cameron, and Wilbacy; the Cities of Harlingen, Mission, San Benito ISD, TxDOT Pharr and San Antonio Districts, Hidalgo County RMA, Cameron County RMA, and the Hidalgo County Drainage District #1 (HCDD#1). Currently, the GDJ Team has no past or pending litigation against or involving its agents or employees with respect to any work we have performed.

The GDJ Team has the abilities and qualifications to provide the County of Webb with the following services:

◆ **Project Management & Planning Services**

- ◇ Program & Project Management
- ◇ General Program Management (To Ensure Design/Construction Meets Requirements for Reimbursements on Reimbursable Funds Projects)
- ◇ Project Management of all Civil & Transportation Projects
- ◇ Planning Services
- ◇ Infrastructure Improvement Plans, Project Need Evaluations & Assessments, Pavement Management Plans

◆ **Civil Design Services**

- ◇ Preliminary Engineering
- ◇ Geometric Schematic & Typical Sections
- ◇ Utility Investigations & Analysis
- ◇ ROW Investigations
- ◇ Environmental Reports & Public Meetings)
- ◇ Geotechnical Investigations
- ◇ Plans, Specifications & Estimates (PS&E)
- ◇ Geometric Design (Horizontal & Vertical Alignments, Plans & Profiles (P&P), Layouts)
- ◇ Hydrologic & Hydraulic Design (Drainage Area, Hydraulic Master Plans, Channel Analyses)
- ◇ Structural Design (Bridge Design & Details, Specialty Structural Design)
- ◇ Pavement Design (Flexible & Rigid Pavements, Pavement Structure Analyses)
- ◇ Environmental Design (SWPPP, EPIC Sheets)
- ◇ Traffic Design (Traffic Counts, Analysis of Traffic Movements)
- ◇ Design Packaging (Specifications, Construction Estimates, General Notes, Special Provisions)
- ◇ Bid Assistance
- ◇ Preparation of Bid Package, Bid Announcement, Review of Bidder Information, Bid Award

◆ **Civil Construction Services**

- ◇ Construction Management & Inspection



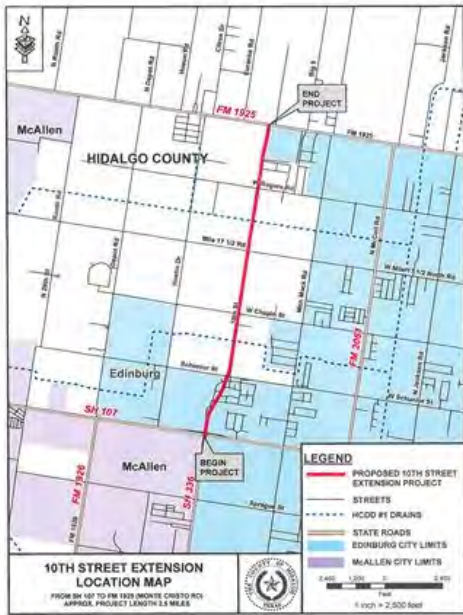
- ◇ Construction Management Team will Ensure All Construction Activities are Completed On Time, On Budget and In Accordance with the Specifications & Contract Documents.
- ◇ Construction Material Testing
- ◇ Testing of Soils, Concrete, ACP, Masonry & All Other Building Materials for Adherence to Specification and Contract Documents

Quality Control and Quality Assurance (QC/QA)

Utilizing quality control and quality assurance in the field of CMT is a must to ensure all testing is of the highest quality and to reduce the presence of outliers in the statistical models of testing results. The GDJ Team has developed standard operating procedures for various tasks to provide direction to staff and increase consistency of field and laboratory testing (modified only through project managers to provide flexibility due to any project variability). The Laboratory Division Managers are responsible for direct supervision of QC/QA programs in the field and the Laboratory Engineer of Record is responsible for performing all supervisory review of technical procedures in the engineering laboratory. Ultimately, though, the Project Manager provides oversight of all QC/QA operations. This three-tiered approach provides a triple check system of all reports, design and recommendations prior to submittal to client.

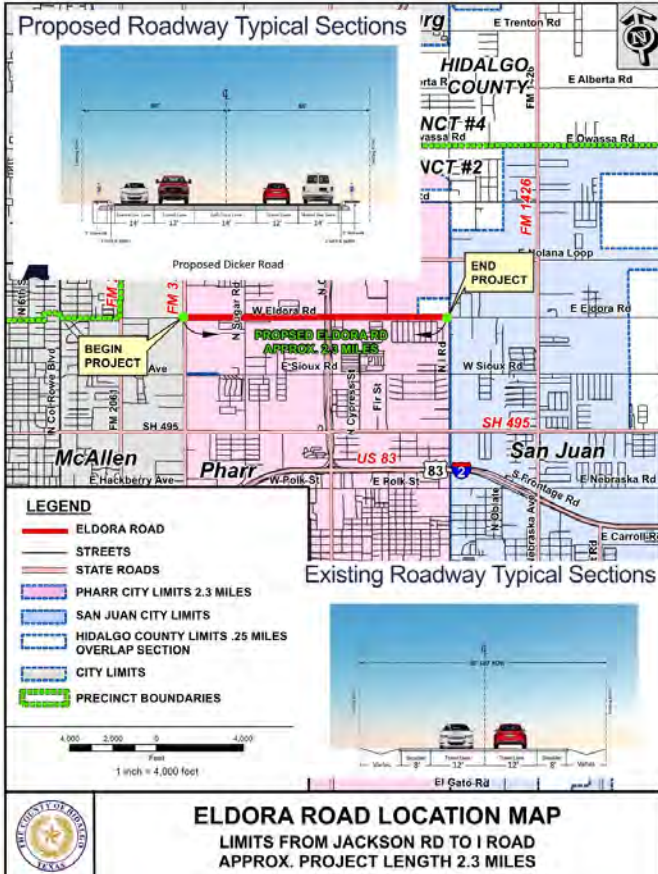
Past Projects and References

SEE ATTACHED.



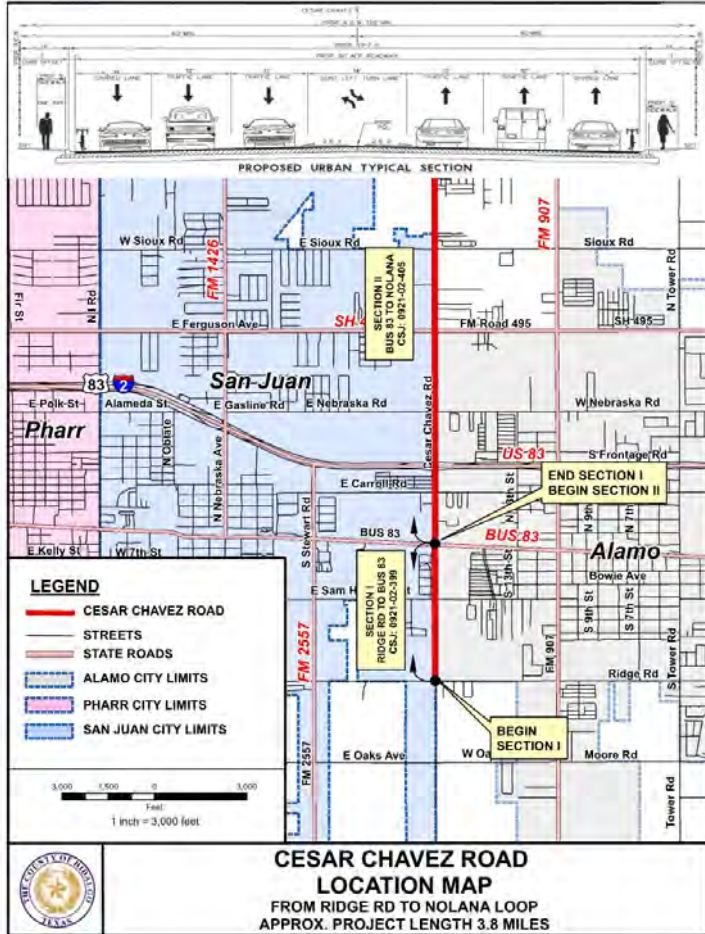
PROJECT:	10 th Street Extension
LIMITS:	From SH 107 to FM 1925
CLIENT:	Hidalgo County
CLIENT REFERENCE:	Ellie Torres, Commissioner
	Pct. #4 (956) 383-3112
PROJECT DESCRIPTION:	Completed Schematic, Environmental, PS&E, ROW Acquisition, CEI Determination, Geo
PROJECT BUDGET:	\$ 10,255,154
PROJECT FINAL COST:	\$ 9,204,755
PROJECT START/FINISH DATE:	11/2014 / 3/2020
PROJECT MANAGER:	Mr. Robert Macheska, P.E.
PROJECT CEI FIRM:	L&G Engineering
PROJECT SUBCONSULTANTS:	B2Z Engineering, Brighton Group

Mr. Robert Macheska served as the Project Manager and Lead Engineer responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' discontinuous rural roadway to an urban five lane section for 2.5 miles at a construction cost of \$10 million. The scope included schematic design and approval through TxDOT Design Division, Public Involvement and Environmental Clearance through the NEPA process. This project required the design of the proposed pavement section using FPS, the horizontal and vertical alignments using Bentley Microstation and Geopak, and cross sections based on Bentley Corridor Modeling. This project also required the design of a new storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. Additional drainage to neighboring subdivisions were also considered and provided with drainage infrastructure to alleviate the flooding in these areas. GEOPAK Drainage was used to develop storm sewer elements and profile and HEC-RAS was used to design and analyze the various cross drainage culverts. French drains were designed to pick up surrounding area seepage waters impacting the integrity of the roadway subbase. A three-span bridge was designed to cross over a major Hidalgo County Drainage District No. 1 drainage tributary. Irrigation crossings were assessed and designed to be replaced in place with the least impact to the irrigation district's irrigating season taken into consideration. This project traversed in front of a school which required coordination efforts with the school's administration as well as special signing and striping to enforce the school zone. In addition, traffic signal warrant analyses were performed to determine if traffic signals were warranted at the multiple intersection locations. At the intersection locations where the traffic signals were warranted, traffic signal designs were performed. Reconstruction and widening of intersections were also included in the design as incidental construction. Relocation of utilities throughout the project was coordinated and the reimbursement of compensable utilities was also required for this project.



PROJECT: Eldora Road
LIMITS: From Jackson Blvd. to Veterans Rd.
CLIENT: Hidalgo County
CLIENT REFERENCE: Eduardo Cantu, Commissioner Pct. #2 (956) 787-1891
PROJECT DESCRIPTION: Completed Schematic, Environmental, PS&E, ROW Acquisition
PROJECT BUDGET: \$ 12,204,142
PROJECT FINAL COST: Pending Letting for Bids.
PROJECT START/FINISH DATE: 9/2017 / ROW Acquisition Currently Underway.
PROJECT MANAGER: Mr. Christopher Rodriguez P.E.
PROJECT CEI FIRM: To be selected prior to letting.
PROJECT SUBCONSULTANTS: B2Z Engineering, Brighton Group, Amatterra Environmental

Mr. Christopher Rodriguez served as the Project Manager and Lead Engineer responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' discontinuous rural roadway to an urban five lane section for 2.3 miles at a construction cost of \$12 million. The scope included schematic design, PS&E, and approval through TxDOT Design Division, Environmental Clearance through the NEPA process. This project required the design of the proposed pavement section using FPS, the horizontal and vertical alignments using Bentley Microstation and Geopak, and cross sections based on Bentley Corridor Modeling. This project also required the design of a new storm sewer system as well as analysis of the outfall ditches. GEOPAK Drainage was used to develop storm sewer elements and profile and HEC-RAS was used to design and analyze the various cross drainage culverts. In addition, traffic signal warrant analyses were performed to determine if traffic signals were warranted at the multiple intersection locations. At the intersection locations where the traffic signals were warranted, traffic designs were performed. Reconstruction and widening of intersections were included in the design as incidental construction. Relocation of utilities was also included.



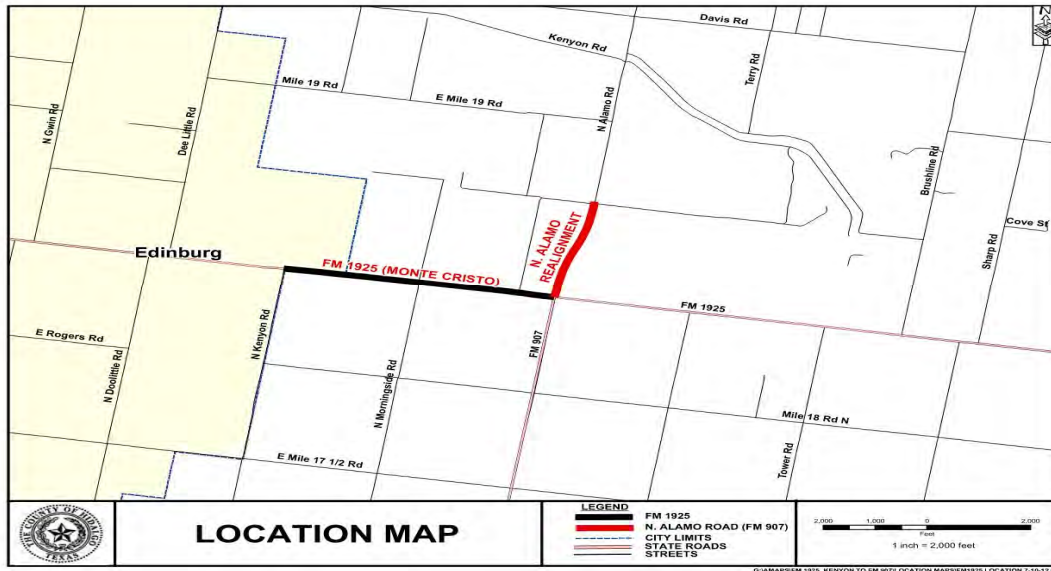
PROJECT: Cesar Chavez Road
LIMITS: From Ridge Rd. to Nolana Loop
CLIENT: Hidalgo County
CLIENT REFERENCE: Eduardo Cantu, Commissioner Pct. #2 (956) 787-1891
PROJECT DESCRIPTION: Completed Schematic, Environmental, ROW Determination
PROJECT BUDGET: \$20,802,575
PROJECT FINAL COST: Pending Letting for Bids.
PROJECT START/FINISH DATE: 9/2015 / ROW Acquisition Currently Underway.
PROJECT MANAGER: Mr. Christopher Rodriguez, P.E.
PROJECT CEI FIRM: To be selected prior to letting.
PROJECT SUBCONSULTANTS: B2Z Engineering, Brighton Group, Amaterra Environmental

Mr. Christopher Rodriguez served as the Project manager and Lead Engineer responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' discontinuous rural roadway to an urban five lane section for 3.8 miles at a construction cost of \$21 million. The scope included schematic design and approval through TxDOT Design Division, Public Involvement and Environmental Clearance through the NEPA process. This project required the design of the proposed pavement section using FPS, the horizontal and vertical alignments using Bentley Microstation and Geopak, and cross sections based on Bentley Corridor Modeling. This project also required the design of a new storm sewer system as well as analysis of the outfall ditches. GEOPAK Drainage was used to develop storm sewer elements and profile and HEC-RAS was used to design and analyze the various cross drainage culverts. This project traversed in front of several schools which required coordination efforts with the school's administration as well as special signing and striping to enforce the school zones. In addition, traffic signal warrant analyses were performed to determine if traffic signals were warranted at the multiple intersection locations. Reconstruction and widening of intersections were also included in the design as incidental construction. Relocation of utilities throughout the project was coordinated and the reimbursement of compensable utilities was also required for this project.



PROJECT: West Blvd
LIMITS: From FM 802 to Alton Gloor
CLIENT: CCRMA
CLIENT REFERENCE: Pete Sepulveda Jr.
 956-621-5571
PROJECT DESCRIPTION: Completed Schematic, Environmental, , PS&E,
PROJECT BUDGET: \$10,820,245
PROJECT FINAL COST: Pending Letting for Bids.
PROJECT START/FINISH DATE: 2/2020 / Environmental Currently Underway.
PROJECT MANAGER: Mr. Christopher Rodriguez, P.E.
PROJECT CEI FIRM: To be selected prior to letting.
PROJECT SUBCONSULTANTS: TEI, Brighton Group

Lead Engineer responsible for all design and coordination in developing the roadway schematic while also taking the proposed future West Hike and Bike project into consideration and implementing it in the roadway design. The project required the design of a new 47 ft face to face urban roadway facility in existing right of way including using Bentley Openroads Designer to create horizontal alignments and vertical alignments to create preliminary roadway cross sections to verify the right of way need. Drainage was also considered and coordination with Cameron County Drainage District No. 1 is still ongoing to accommodate the West Blvd’s drainage needs. Improvements to detention ponds located just adjacent to the project are being proposed to have a “no impact” affect on the existing drainage network downstream of the project and ponds. Storm sewer elevations were analyzed against downstream drainage ditches and detention pond elevations to verify positive drainage outlets were available. The project also consisted of planning and developing pedestrian facilities including a 5’ sidewalk on the east side and a 12’ shared use hike and bike path on the west side. These pedestrian facilities were also designed to connect to the adjacent neighborhoods, schools, intersections, and other developments. Intersections, including FM 3248, Morrison Rd, and FM 802, were determined to need improvements to account for the West Blvd roadway. These improvements consisted of removing old railroad signal islands, widening, overlay, restriping, and propose possible future flashing beacons or traffic signals. Roadway quantities were determined and a construction cost estimate of approximately 5.2 Million was developed. Preliminary utilities were located and were considered in the developing of alignments and drainage facilities.



- PROJECT:** FM 1925
- LIMITS:** From Kenyon Rd. to FM 907 (Full PS&E), FM 907 to Sharp Rd. (Schem.)
- CLIENT:** Hidalgo County
- CLIENT REFERENCE:** Ellie Torres, Commissioner Pct. #4 (956) 383-3112
- PROJECT DESCRIPTION:** Completed Schematic, Environmental, PS&E, ROW Determination
- PROJECT BUDGET:** \$ 3,875,047
- PROJECT FINAL COST:** \$ 3,927,052
- PROJECT START/FINISH DATE:** 8/2012 / 10/2017
- PROJECT MANAGER:** Mr. Robert Macheska, P.E.
- PROJECT CEI FIRM:** L&G Engineering
- PROJECT SUBCONSULTANTS:** B2Z Engineering, Amaterra Environmental

Mr. Robert Macheska served as the Project manager and Lead Engineer responsible for all design aspects of the project. The project consisted of reconstructing and widening 2.9 miles of an existing 40 foot wide rural roadway consisting of two 12 foot wide travel lanes and 8 foot wide outside shoulders within an 80 foot wide Right-of-Way (ROW). Existing drainage was handled via roadside ditches. It was proposed to construct an urban roadway 84 foot wide consisting of four 12 foot wide travel lanes, a 16 foot wide flush median, and 10 foot wide shoulders within a minimum 100 foot wide to 120 foot wide maximum ROW. The document included the realignment of the intersection at FM 1925 and Doolittle Road, a storm drain system, new signage and traffic signals. The scope included schematic design and approval through TxDOT Design Division, Public Involvement and Environmental Clearance through the NEPA process. This project required the design of the proposed pavement section using FPS, the horizontal and vertical alignments using Bentley Microstation and Geopak, and cross sections based on Bentley Corridor Modeling. This project also required the design of a new storm sewer system as well as analysis of the outfall ditches. Reconstruction and widening of intersections were also included in the design as incidental construction. Relocation of utilities throughout the project was coordinated and the reimbursement of compensable utilities was also required for this project.



REFERENCES (all projects completed successfully)

Hidalgo County Drainage District #1

Attn: Mr. Raul Sesin, P.E., General Manager
(956) 292-7080
902 N Doolittle Rd.
Edinburg, Texas 78542
raul.sesin@hchd.org

Texas Department of Transportation, Pharr District

Attn: Mr. Pedro Alvarez, P.E., Pharr District Engineer
(956) 702-6100
600 W Expy 83
Pharr, Texas 78577
Pedro.Alvarez@txdot.gov

Hidalgo County Precinct #2

Attn: Mr. Armando Garza, Jr., Chief of Staff
(956) 787-1897
300 W. Hall Acres, Suite G
Pharr, Texas 78577
Armando.garzajr@co.hidalgo.tx.us

Hidalgo County Precinct #4

Attn: Ms. Velinda Reyes, Chief of Staff
(956) 383-3112
1051 N. Doolittle Rd.
Edinburg, Texas 78539
velinda.reyes@co.hidalgo.tx.us

CCRMA / Cameron County

Attn: Mr. Pete Sepulveda, Exec. Director CCRMA
Cameron County Exec. Administrator
(956) 621-5571
3461 Carmen Ave.
Rancho Viejo, Texas 78575
psepulveda@ccrma.org

Section III – Personnel and Staffing





**ALL
PROPOSED
TASK
LEADERS ARE
TXDOT PRE-
CERTIFIED IN
THEIR
RESPECTIVE
TXDOT WORK
CATEGORY(S)**

PRINCIPAL IN CHARGE / PROJECT MANAGER
ROBERT MACHESKA, P.E., CFM
20 YEARS OF EXPERIENCE
GDJ

DEPUTY PROJECT MANAGER
CHRISTOPHER RODRIGUEZ, P.E., C.F.M.
16 YEARS OF EXPERIENCE
GDJ

TXDOT FUNDING COORDINATION LEAD
DAVID ANTHONY GARZA
13 YEARS OF EXPERIENCE
GDJ

GROUP 2: SURVEY

SURVEY / SUE LEAD
JUDD GILPIN, PE - RPLS - SURVEY LEAD
20 YEARS OF EXPERIENCE
GEC

**GROUP 1: SCHEMATIC DEVELOPMENT/
ROADWAY PS&E DESIGN / H&H**

ROADWAY DESIGN LEAD
CHRISTOPHER RODRIGUEZ, P.E., C.F.M.
16 YEARS OF EXPERIENCE
DESIGN SUPPORT
ISSAC GONZALEZ, EIT.
2 YEARS OF EXPERIENCE
RAMON SANDOVAL
35 YEARS OF EXPERIENCE

**GROUP 3: GEOTECHNICAL / BRIDGE /
MATERIALS TESTING**

GEOTECHNICAL / BRIDGE LEADS
MARK MCCLELLAND, P.E.
36 Years Experience
B2Z
OLIVER SAL GADO P.E.
15 Years Experience
B2Z

GROUP 4: UTILITY COORDINATION

UTILITY COORDINATION LEAD
JOSEPH PALACIOS - PROJECT MANAGER
20 YEARS OF EXPERIENCE
BG
ALICIA RODRIGUEZ- UTILITY SUPPORT
17 YEARS OF EXPERIENCE
BG
UTILITY COORDINATION LOCAL LIASON
JUDD GILPIN, PE - RPLS
20 YEARS OF EXPERIENCE
GEC

GROUP 5: CONSTRUCTION MANAGEMENT

CONSTRUCTION MANAGEMENT LEAD
JOSEPH PALACIOS - PROJECT MANAGER
YEARS OF EXPERIENCE
BG
EDUARDO RAIMIREZ - CONSTRUCTION LEAD
17 YEARS OF EXPERIENCE
BG

THE GDJ TEAM



GDJ Engineering LLC (GDJ) - 2805 Fountain Plaza Blvd, Suite A, Edinburg, Texas 78539
Tel: 956-603-2025; Email: Robert@GDJEng.com



Brighton Group (BG) - 2805 Fountain Plaza Blvd, Suite A, Edinburg, Texas 78539
Tel: 950-603-2020; Email: Joseph@BrightonGroup.org



Gilpin Engineering Co. (GEC) - 11201 McPherson Rd, #109, Laredo, Tx 78045
Tel: 956-753-2210; Fax: 956-753-2213; Email: Jgilpin@GilpinEngineering.com



B2Z Engineering (B2Z) (HUBMWB/DBE) - 900 S Stewart Rd #4, Mission, TX 78572
Tel: 956-585-3773; Email: Oliver@b2zeng.com

Robert Macheska, P.E., C.F.M.

PROPOSED ROLE:

PRINCIPAL & PROJECT MANAGER



REGISTRATIONS

Professional Engineer
State of Texas
No. 93540

Certified Floodplain Manager
State of Texas
No. 2196-11N

LICENSED

15 Years

CITY OF RESIDENCE

Mission

ROLE EXPERIENCE

23 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Bachelor of Science
Mechanical Engineering
University of Texas – Pan
American

EXPERIENCE

Mr. Macheska has over 20 years of experience in the design and management of various public improvement projects. For the past 2 years Robert has served as Executive Vice President/COO for GDJ Engineering, LLC. He had previously worked for both the Texas Department of Transportation and L&G Engineering which provided him with excellent hands on experience as to how multiple government entities function.

He has worked on all aspects of public works projects, from planning and PS&E preparation, Hydrology & Hydraulics Design to construction phase services. His project management and design experience includes contract administration, supervision of production staff, QA/QC, utility coordination, sub-consultant management, scheduling, bid document preparation, roadway planning, drainage design, design/PS&E preparation, and public involvement. Robert's management approach is very proactive, and he constantly maintains open and effective lines of communications.

PROJECTS

SH 364 from SH 495 to FM 1924 in Mission, Texas.

Project Manager responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' rural roadway to an urban five lane section for 2 miles at a construction cost of \$6.8 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. This project also required the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts.

FM 800 from McClelland Dr to IBWC Floodway in Harlingen, Texas.

Project Manager responsible for all hydraulic design aspects of the project. This area of FM 800 has historically had flooding concerns, so to alleviate those concerns we designed a storm sewer system on the rural road to capture the water flowing to the road and send it to the IBWC Floodway. The project consisted of the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts. In addition, he was responsible for processing the amended IBWC permit for TxDOT.

FM 681 from SH 107 to SH 364 in Mission, Texas.

Project Manager responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 40' rural roadway to an urban divided highway for 2.7 miles at a construction cost of \$16.8 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. This project also required the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts.

FM 493 from US 281 (Military) to Bus 83 in Donna, Texas.

Project Manager responsible for all design aspects of the project. The project consisted of reconstructing and widening a 32' rural two lane roadway to a 44' rural roadway for 6.5 miles at a construction cost of \$12 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. The USGS maps were used to determine drainage areas for outfalls and culverts. Used rational method, evaluating the land's slope, soil type, Tc, and landscape to calculate peak runoff rate (discharge). THYSIS was used to analyze and evaluate the existing structures and the cross culverts that needed to be upgraded and redesigned. Tailwater elevations and the allowable headwater needed to be determined and taken into consideration.

10th Street Ext from SH 107 to FM 1925 in Edinburg, Texas.

Project Executive responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' discontinuous rural roadway to an urban five lane section for 2.5 miles at a construction cost of \$11 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. This project also required the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts.

Christopher Rodriguez, P.E., C.F.M.

PROPOSED ROLE:

DEPUTY PROJECT MANAGER



REGISTRATIONS

Professional Engineer
State of Texas
No. 107692

Certified Floodplain Manager
State of Texas
No. 2407-13N

LICENSED

9 Years

CITY OF RESIDENCE

Mission

ROLE EXPERIENCE

15 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Bachelor of Science
Civil Engineering
University of Texas A&M -
Kingsville

EXPERIENCE

Mr. Rodriguez has over 15 years of experience in the design and management of various public improvement projects. For the past 2 years Chris has served as Vice President of Engineering for GDJ Engineering, LLC. He had previously worked for both the Texas Department of Transportation (San Benito Area Office) and L&G Engineering which provided him with excellent hands on experience as to how multiple government entities function. He has worked on multiple aspects of transportation and drainage projects, from planning and PS&E preparation, Hydrology & Hydraulics Design to construction phase services. His project management and design experience includes supervision of production staff, QA/QC, utility coordination, sub-consultant management, scheduling, bid document preparation, roadway planning, drainage design, design/PS&E preparation, and public involvement. Chris has managed multiple concurrent design projects and production staff with numerous design groups under his direction.

PROJECTS

FM 800 from McClelland Dr to IBWC Floodway in Harlingen, Texas.

Deputy Project Manager responsible for all hydraulic design aspects of the project. This area of FM 800 has historically had flooding concerns, so to alleviate those concerns we designed a storm sewer system on the rural road to capture the water flowing to the road and send it to the IBWC Floodway. The project consisted of the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts. In addition, I was responsible for processing the amended IBWC permit for TxDOT.

FM 681 from SH 107 to SH 364 in Mission, Texas.

Deputy Project Manager responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 40' rural roadway to an urban divided highway for 2.7 miles at a construction cost of \$16.8 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. This project also required the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts.

FM 493 from US 281 (Military) to Bus 83 in Donna, Texas.

Deputy Project Manager responsible for all design aspects of the project. The project consisted of reconstructing and widening a 32' rural two lane roadway to a 44' rural roadway for 6.5 miles at a construction cost of \$12 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. The USGS maps were used to determine drainage areas for outfalls and culverts. Used rational method, evaluating the land's slope, soil type, Tc, and landscape to calculate peak runoff rate (discharge). THYSIS was used to analyze and evaluate the existing structures and the cross culverts that needed to be upgraded and redesigned. Tailwater elevations and the allowable headwater needed to be determined and taken into consideration.

10th Street Ext from SH 107 to FM 1925 in Edinburg, Texas.

Lead Engineer responsible for all design aspects of the project. The project consisted of reconstructing and widening an existing 24' discontinuous rural roadway to an urban five lane section for 2.5 miles at a construction cost of \$11 million. This project required the design of the proposed pavement section using FPS and the horizontal and vertical alignments based on the cross sections. This project also required the design of a storm sewer system as well as analysis of the outfall ditches. Calculated all Times of Concentration, rainfall intensities, calculated hydraulic gradient, and design discharges. GEOPAK Drainage was used to develop storm sewer profile and THYSIS was used to design and analyze the various cross drainage culverts.

FM 800 Drain Project (From McClelland Dr. to IBWC Floodway)

Chris served as the Design Engineer for this contract which consisted of the design of an outfall system for a section of Bass Blvd. that historically has had flooding concerns. Chris was responsible for designing the outfall relief system for this project utilizing applicable TxDOT and Cameron County Standards & Requirements. Chris was also responsible for assuring the design met all IBWC discharge requirements.

365 Toll (From FM 1016 (Conway Ave) to McColl Rd)

Chris Served as the Assistant Project Manager and Lead Design Engineer for this contract which consisted of the design of a 12 mile new location expressway toll facility. As part of this project, a Hydrologic Study was conducted to determine all of the contributing watersheds utilizing a 100-year design frequency for detention. Chris was directly involved with providing all of the design calculations as well as the production of the H&H report analyzing linear detention, structure sizing, IBWC floodway discharge coordination and floodplain management.

Anthony Garza

PROPOSED ROLE:

AGENCY / MPO COORDINATION LEAD



REGISTRATIONS

Local Government Project
Procedures Certified

CITY OF RESIDENCE

Harlingen

ROLE EXPERIENCE

13 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Bachelor of Science
Biology
University of Texas A&M -
Kingsville

EXPERIENCE

Mr. Garza has over 13 years of experience, and 2 years of Construction Management experience, in infrastructure development for public and private sector clients. He has an extensive knowledge of the federal and state environmental laws specifically with respect to roadway, infrastructure, and transportation planning coordinating environmental documents and programming state and federal funds for linear transportation projects. In this time Mr. Garza served as the representative for the City of Mission, Hidalgo County, Webb County, and Cameron County at the local Metropolitan Transportation Planning Organizations. Highlighting his skills in project planning and development. This required a multi-disciplinary approach to assure the proper coordination of advanced planning efforts to ensure local reimbursement for locally administered projects with state and federal funding.

PROJECTS

US 77/83 South Parallel Corridor, Harlingen/San Benito/Cameron

Mr. Garza served as the Environmental Project Manager and Funding Coordinator. This project consists of a 7.3-mile-long new location roadway in southern Cameron County consisting of an initial 2 lane rural roadway with sufficient Right-of-Way width to accommodate a 5-lane urban roadway in the future. Since 2008 Mr. Garza has provided technical support to Cameron County Pct. 3 on the programming of funds at the HSBMPO. This project received Environmental Clearance from TxDOT in 2014. In order to secure construction funds for the project Mr. Garza has worked closely with the HSBMPO and elected officials to separate the project into four Phases. Phase I & II has been constructed and Phase III & IV are funded at the HSBMPO with approximately \$18 million in State and Federal Funds for construction of a 2-lane rural roadway by 2020.

Hidalgo County MPO, Hidalgo County, Texas

Mr. Garza served as the Hidalgo County MPO TAC representative from April 2011 to May 2013 and from September 2017- October 2019. During this time his duties included coordinating with all precincts in Hidalgo County to assure their projects were properly programmed on the MPO planning documents. In addition to preparing project fact sheets and project planning and environmental documents Mr. Garza also provided project feasibility reports to determine if projects on the MPO Planning documents were "active" projects. Analysis of existing projects sometimes allowed for projects experiencing delays could be adjusted to allow "shovel ready" projects to be constructed. Expediting the letting of projects often results in a savings in construction cost due to avoidance of escalation.

SH 364 from SH 495 to FM 1924 in Mission, Texas.

Served as the project document lead responsible for preparation of all the reports for the TxDOT NEPA Environmental Assessment. The project consisted of reconstructing and widening an existing 24' rural roadway to an urban five lane section for 2 miles at a construction cost of \$6.8 million. This project required Section 4(f) documentation as well as a full historical and cultural resources survey. Mr. Garza was also responsible for the coordination hazardous materials mitigation associated with a contaminated site located in the proposed roadway ROW.

FM 493 from US 281 (Military) to Bus 83 in Donna, Texas.

Project Manager responsible for all aspects of the environmental process. The project consisted of reconstructing and widening a 32' rural two lane roadway to a 44' rural roadway for 6.5 miles at a construction cost of \$12 million. This project required coordination with IBWC for the floodway crossing as well as USACE permitting for the interim low-water floodway bridge structure.

Robert J. (Judd) Gilpin, P.E., R.P.L.S.

PROPOSED ROLE:

SURVEY LEAD / LOCAL UTILITY SUPPORT



REGISTRATION

Professional Engineer
State of Texas
No. 90141

Registered Professional
Surveyor State of Texas
No. 5944

LICENSED

19 Years

14 Years

CITY OF RESIDENCE

Laredo, Texas

ROLE EXPERIENCE

20 Years

FIRM EXPERIENCE

18 Years

EDUCATION

Bachelor of Science
Master of Science in Civil
Engineering, Texas A&M
University – College Station

EXPERIENCE

Upon graduating from Texas A&M University, Mr. Gilpin joined the U.S. Navy and served in the Civil Engineer Corps for 7 years of active duty and held inactive ready reserve status through 2007 when he resigned his commission as a Lieutenant Commander. While in the Navy, he gained invaluable experience with services procurement, contract management and construction administration of large, complex Federal projects.

Upon returning to Laredo, Mr. Gilpin began working at Laredo's oldest civil engineering firm where he managed a multitude of public and private sector projects while enjoying the privilege of being mentored by the company's founder, Mr. Jack Foster. During those years Judd developed a vision for his own civil engineering and surveying firm based on the principles of professional integrity and commitment to achieving project objectives. In 2003 he brought his vision to life and founded Gilpin Engineering Company. As the Principle Engineer, he is responsible for the overall direction of the firm and oversight of all services provided.

PROJECTS

Loop 20 Expansion, Laredo

Civil engineering and surveying services including signing and pavement marking design, topographic survey, inventory of existing signing, right-of-way and easement documents, and utility research, mapping, and coordination. The project is a 3.3-mile expansion of the City's outer loop with new freeway main lanes, bridges and ramps.

North Central Park Project, Laredo

Mr. Gilpin was instrumental in leading the design team by providing master planning, civil engineering, and surveying services for development of the new park and trail system within a green space preserve. Design features included lighted hike and bike trails, a trailhead pavilion, amphitheater, pool complex, baseball complex and parking facilities. The project is a new 90-acre park and trail system with 25,000 LF of hike and bike trails connecting to a large City-wide trail system including Type I reuse for aesthetics and wildlife habitat, and drainage improvements throughout the park.

North Laredo Wastewater Treatment Plant, Laredo

Engineering and surveying services including gravity sewer interceptor, force main, onsite lift station, headworks, odor control, activated sludge aeration basins, secondary clarifiers, tertiary treatment, UV disinfection and sludge thickening facilities. Type I effluent from the plant is used for irrigation and amenities at a golf course and City parks.

Mark McClelland, P.E.

PROPOSED ROLE:

GEOTECHNICAL LEAD



REGISTRATION

Professional Engineer
State of Texas
No. 60710

LICENSED

36 Years

CITY OF RESIDENCE

Mission, Texas

ROLE EXPERIENCE

36 Years

FIRM EXPERIENCE

6 Year

EDUCATION

Bachelor of Science in Civil
Engineering (BSCE), The
University of Texas – Austin

EXPERIENCE

Mr. McClelland functions as the Senior Geotechnical Engineer with B2Z Engineering. He has extensive experience in all aspects of Geotechnical Engineering which was gained during his 29 years with TxDOT. Most of his career was spent working in, and ultimately managing, the Geotechnical Branch of TxDOT Bridge Division. He oversaw the complete update of the TxDOT Geotechnical Manual, wrote all foundation and retaining wall Standard Specifications for the 2004 Standard Specification Book, and has overseen development of all current foundation and retaining wall design processes currently in use by TxDOT. He was involved in the management of bridge structures through the development and oversight of the TxDOT Scour Management Program, and the program to manage structures on unknown foundations.

PROJECTS

IH 35 at US 183 Project (TxDOT)

This project consisted of the design of 4 direct connectors between IH-35 and US 183, 1 underpass of IH-35 at St. Johns Avenue, 1 IH-35 overpass widening at US 290 and various other improvements to the IH-35 and US 183 existing interchange corridor. In addition, this project consisted of 24 new MSE, Soil Nail and Spread Footing retaining walls throughout the project. The project length was a distance of approximately 2.9 miles. The Geotechnical portion of the project scope included the drilling of 36 structural/bridge borings at approximately 30 to 60 feet in depth, 44 retaining wall borings at approximately 30 to 50 feet in depth and 15 miscellaneous borings at approximately 50 feet in depth for a total of 3,730 LF of geotechnical drilling. It should be noted, the bulk of the drilling was located in an area of thin clayey/sandy overburden sections atop marl, marly limestone and limestone. Field investigations included TxDOT TCP testing, Shelby Tube sampling in overburden and rock drilling/coring - % recovery & RQD. Laboratory testing included moisture content, -200 gradation, atterberg limits, sulfate content and one-dimensional consolidation testing. Engineering analyses included generation of soil strength foundation curves (skin friction and point bearing) for deep foundation design, development of lateral soil parameters for deep foundation design, calculation and analysis of external stability for retaining walls, development of modeling and analysis for global stability for retaining walls, analysis of settlement of retaining walls, establishment of parameters and sketches of cut type retaining walls (soil nailed walls), construction recommendations for geotechnical items.

IH-610 Dedicated Business Lane Project

This project consisted of the design of a 2-way elevated bus lane incorporated into the existing IH-610 corridor from Post Oak Blvd. to Post Oak Rd. and I-10; a distance of approximately 1.7 miles. The Geotechnical portion of the project scope included the drilling of 28 structural/bridge borings at approximately 120 feet in depth and 10 retaining wall borings at approximately 35 to 55 feet in depth for a total of 3,790 LF of geotechnical drilling. Field investigations included TxDOT TCP testing and Shelby Tube sampling. Laboratory testing included moisture content, -200 gradation, atterberg limits, full gradation (full sieve & hydrometer), sulfate content, one-dimensional consolidation testing, unconfined compression (UC) testing and unconsolidated-undrained triaxial (UU) testing. Engineering analyses included generation of soil strength tables for deep foundation design, establishment of soil type and gradation criteria for use in scour analysis at water crossing, calculation and analysis of external stability for retaining walls, development of modeling and analysis for global stability for retaining walls, analysis of settlement of retaining walls, design/analysis/detailing of cut type retaining walls (soil nailed walls), suitability/applicability of proposed ground improvement at retaining walls, construction recommendations for geotechnical items.

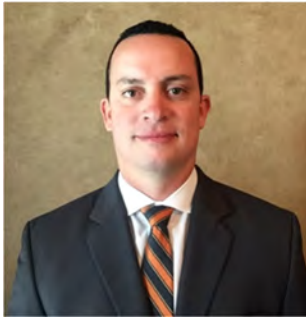
Raymondville Drain – Hidalgo and Willacy Main Outfall Project

This project consists of Geotechnical Exploration, Laboratory Testing and Value Engineering Recommendations for the placement of a new location Main County Outfall System in Hidalgo County and connection to & expansion of an existing Delta Region drain system in Willacy County approximately 60 Miles in length with the purpose of getting water from Hidalgo County to the Laguna Madre. The project includes: 20 Miles of New Location Outfall, 40 Miles of Existing Location Expansion to Outfall, 60 Bridge Crossings (including major crossings of US 281, US 77, SH 100 and Railroad), 1 Major Control Structure at North Main Drain (Interim Phase I Conditions), Potential Lake Detention Pond at La Sal Vieja Lake, Alternative for Diversion to Main Floodwater Channel in Willacy County. Geotechnical information has been primarily collected along all outfall stretches and various analyses were completed to verify adequacy of side slopes for proposed channel section (Slope Stability). Additionally, Foundation Design Analyses & Curves have been primarily generated for all crossings including investigation of Scourability based on D50-D90 parameters at the structure locations. This job is being let out in phases and as such is still currently underway.

Oliver F. Salgado, P.E.

PROPOSED ROLE:

BRIDGE LEAD



REGISTRATION

Professional Engineer
State of Texas
No. 103749

LICENSED

9 Years

CITY OF RESIDENCE

Houston, Texas

ROLE EXPERIENCE

15 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Bachelor of Science in Civil
Engineering (BSCE), The
University of Texas – Austin

EXPERIENCE

Mr. Salgado has more than 15 years of progressive experience in managing a wide range of diverse civil engineering projects. He has managed the delivery of plans, specifications, and estimates (PS&E) for various complex bridge structure and roadway projects as both a consultant and working for TxDOT's Bridge Division and Waco District offices. As Project Manager, Oliver has successfully delivered several multi-disciplinary and multi-office projects demonstrating his ability to increase and sustain efficiency in large scale projects, particularly within accelerated schedule environments. Furthermore, Oliver has been Engineer of Record on several complex structures including multi-level interchanges.

PROJECTS

PS&E for Bus83/Inspiration Overpass, TxDOT Pharr District

Mr. Salgado was responsible for the preparation of details for 8-span, 1,083-foot-long twin structures over Inspiration Road and UPRR. He also developed the phased construction sequence to allow the thoroughfare to stay open to traffic during reconstruction of the overpass. Mr. Salgado used BGS to lay out the complex geometry and assist in calculating bearing seat elevations. The substructure consisted of 45-degree skews at the both approaches and transitioned to 30-degree skews over the international bridge. Mr. Salgado assembled bid quantities, plan general notes, and directed drafting technicians in the preparation of a complete set of structural plans for this project.

SH 44 Bridge Design (TxDOT-Corpus Christi Dist.)

This project consisted of designing and providing PS&E packages for 3 pairs of twin bridges on SH 44 outside of Corpus Christi. Mr. Salgado was responsible for designing and directing the preparation of details for the following Six bridges:

Oso Creek Twin Bridges, 2- 40' wide, three span (106'-106'-106'), simply supported prestressed concrete TX 40 girder bridge with an 8.5-inch reinforced concrete slab on a tangent with a 60 degree skew.

CR 61 Twin Bridges

2- 40' wide, three span (95'-95'-95'), simply supported prestressed concrete TX 40 girder bridge with an 8.5-inch reinforced concrete slab on a tangent. The substructure consists of multi-column rectangular bent caps and round columns. The foundations are drill shafts.

SH 24 Twin Bridges

2- 40' wide, three span (95'-95'-95'), simply supported prestressed concrete TX 40 girder bridge with an 8.5-inch reinforced concrete slab on a tangent. The substructure consists of multi-column rectangular bent caps and round columns. The foundations are drill shafts.

Joseph Palacios

PROPOSED ROLE:

CRITICAL PATH / ROW AQISITION MANAGER



BRIGHTON GROUP

CERTIFICATIONS & AFFILIATIONS

United States Army Veteran

Former Hidalgo County
Commissioner

CITY OF RESIDENCE

Edinburg

ROLE EXPERIENCE

20 Years

FIRM EXPERIENCE

2 Years

EDUCATION

University of Texas – Pan American
Bachelor of Science in Biology and
Chemistry, Minor in Business
Administration

EXPERIENCE

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 PROJECTS

Mr. Palacios has construction management and inspection experience on the following projects:

- San Benito CISD Bond Projects
 - Indoor Multi-Use Practice Facility
 - Performing Arts Facility
 - Natatorium
 - Parking lot upgrades
 - LED Retro-fit Project
- Santa Maria ISD Bond Projects
 - New High School
 - Junior High School Renovation
 - Agriculture Building
 - Parking Lot
 - Road Expansion
- City of Mission
 - Bryan Indoor Recreation Center - Indoor Basketball Court with a Hardwood Floor, Indoor Volleyball, and Senior Citizen Programs
 - City Hall Project
 - Speer Memorial Library
 - Police Department
 - Sharyland Golf Course Renovation Improvement Project
 - Hike & Bike Project (5-mile Hike and Bike Trail, which includes Asphalt-Covered Trail, 2 Bridges, Parking lot for up to 30 vehicles, a group pavilion and bike dirt trails.)
- City of Edinburg
 - Police Department

Alicia Rodriguez

PROPOSED ROLE:

LEAD ROW ACQUISITION AGENT



BRIGHTON GROUP

CERTIFICATIONS AND AFFILIATIONS

TxDOT Pre-Certified for ROW
Acquisition

CITY OF RESIDENCE

San Benito, Texas

ROLE EXPERIENCE

17 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Santa Rosa High School

EXPERIENCE

Alicia has over 17 Years of Experience in ROW Acquisition administration and served as a lead ROW agent for 14 years on linear roadway projects in South Texas. Her experience includes review of ROW Maps and project Surveys, negotiations for acquisition of ROW, coordination with owners, title companies, TxDOT and Local Governments as well as ensuring the local entities are reimbursed for the maximum amount available from TxDOT and the local MPO.

Her experience and duties include, but are not limited to, the following:

- Primary responsibility is to negotiate the acquisition of property for pending State and or County right of way construction projects
- Communication with property owner's, title companies, local governments, appraiser and review appraiser
- Coordinate and attend status meetings with TXDOT and local governments for the ROW process
- Prepare informational letters, initial offer packages and/or Condemnation packages
- Prepare condemnation packages for local governments legal staff for initiation of condemnation proceedings
- Coordinate and attend condemnation hearings
- Provide testimony at hearings as requested
- Coordinate reimbursement process and prepare the necessary documentation to ensure that local governments are reimbursed based on AFA percentages
- Research county appraisal records and deed records for current title activity and confirmation of accurate ownership
- Review title documents and investigate leads when property owners cannot be located to find current addresses and phone numbers
- Prepare detailed negotiator's reports of each phone call, home visit, encounter or challenge as well as phone logs
- Work closely with title company in clearing liens or judgments against properties
- Preparation of documents to clear liens and/or judgments
- Organize and prioritize an assigned work load

RELEVANT PROJECTS

Ms. Rodriguez has ROW Acquisition experience on the following projects:

- FM 1015 Weslaco, Texas – Hidalgo County Pct. #1
- FM 1924 Phase II Mission, Texas – Hidalgo County Pct. #3
- FM 88 Weslaco, Texas –Hidalgo County Pct. #1
- Mile 2 North Mission, Texas –City of Mission
- FM 681/FM 2221 Mission, Texas-Hidalgo County Pct. #3
- SH 364 La Homa Road Mission, Texas-Hidalgo County Pct. #3
- Mile 2 North Mission, Texas –City of Mission
- Inspiration Rd Mission, Texas-City of Mission
- FM 2220/Ware Road-McAllen, Texas-Hidalgo County Pct. #4
- 10th Street-McAllen, Texas-Hidalgo County Pct. #4
- Raymondville Drain-Hidalgo County Drainage District #1
- Mile 6W-Weslaco, Texas-Hidalgo County Pct. #1
- FM 494/Shary Road-Hidalgo County Pct. #3
- Taylor Rd PH I & PH II-Mission, Texas-City of Mission
- Liberty Road PH I
- Mile 3 Road, Mission, Texas-Hidalgo County Pct. #3
- Veterans Blvd., Mission, Texas-Hidalgo County Pct. #3

Eduardo Ramirez

PROPOSED ROLE:

LEAD AGENCY COORD. / CONSTRUCTION MANAGER



BRIGHTON GROUP

CERTIFICATIONS AND AFFILIATIONS

TxDOT Pre-Certified for Construction Inspection

OSHA Safety Certified

CITY OF RESIDENCE

Raymondville, Texas

ROLE EXPERIENCE

25 Years

FIRM EXPERIENCE

2 Years

EDUCATION

Raymondville High School

TxDOT Field and Laboratory Certified

EXPERIENCE

Eduardo Ramirez has 25 Combined Years of Experience in maintenance, construction inspection, project management in road construction, drainage, structural-bridge, and vertical construction projects. Ramirez's relevant construction management and inspection experience and duties include, but are not limited to, the following:

- Make sure all work was done according to plans and specifications
- Pay all work that contractor performed that was approved.
- Perform all testing that was required by the specs.
- Agreeing and confirming Pay App from Owner
- Authorizing payments for Subcontractors, Vendors and Suppliers;
- Schedule delivery of suppliers;
- Schedule Subcontractors for their work;
- Approve all timesheets and equipment charges and run cost reports to make sure we are on budget;
- Track all materials that showed up;
- Approve pay apps for suppliers, vendors and subcontractors; among others.

RELEVANT PROJECTS

Ramirez has construction management and inspection experience on the following projects:

- SH 97 Atascosa and McMullen County – Rehab and widening of existing Roadway
- US 83 Zapata Bridge – New 4 Lane Bridge over Falcon Lake
- US 83 Roma – Widening of existing Roadway from 2 lane to 4 lane
- SH 130 Toll Road – New Expressway from Seguin to Austin with 3 Interchanges
- San Antonio Riverwalk Extension – Extend From McCollough to IH 35 with Retaining walls, Sidewalks and a Lock and Dam
- SH 181 Sinton Bypass – New Highway around the town Sinton from SH 188 to SH 77
- US 83 Harlingen to La Feria - Widening from 4 lane to 6 lane with overpasses and RW

**Appendix A –
Required Forms and Certifications**





Proposer Information

Name of Company: GDJ Engineering, LLC

Address: 2805 Fountain Plaza Blvd. Ste. A

City and State Edinburg, Tx 78539

Phone: (956) 603-2025

Email Address: robert@gdjeng.com

Signature of Person Authorized to Sign:

A handwritten signature in blue ink, appearing to read "RJM", is written over a horizontal line.

Signature

Robert J. Macheska, P.E., CFM

Print Name

Executive VP/COO

Title

Indicate status as to "Partnership", "Corporation", "Land Owner", etc.

Partnership

03/09/2021

(Date)

Note:

All submissions relative to these RFQ shall become the property of Webb County and are nonreturnable. If any further information is required, please call the Webb County Contract Administrator, Juan Guerrero, at (956)523-4125.

**PUBLIC NOTICE
ADDENDUM NO. 1**

**WEBB COUNTY
PURCHASING DEPARTMENT
1110 Washington, Suite 101
Laredo, Texas 78040
(956) 523-4125
(956) 523-5010**

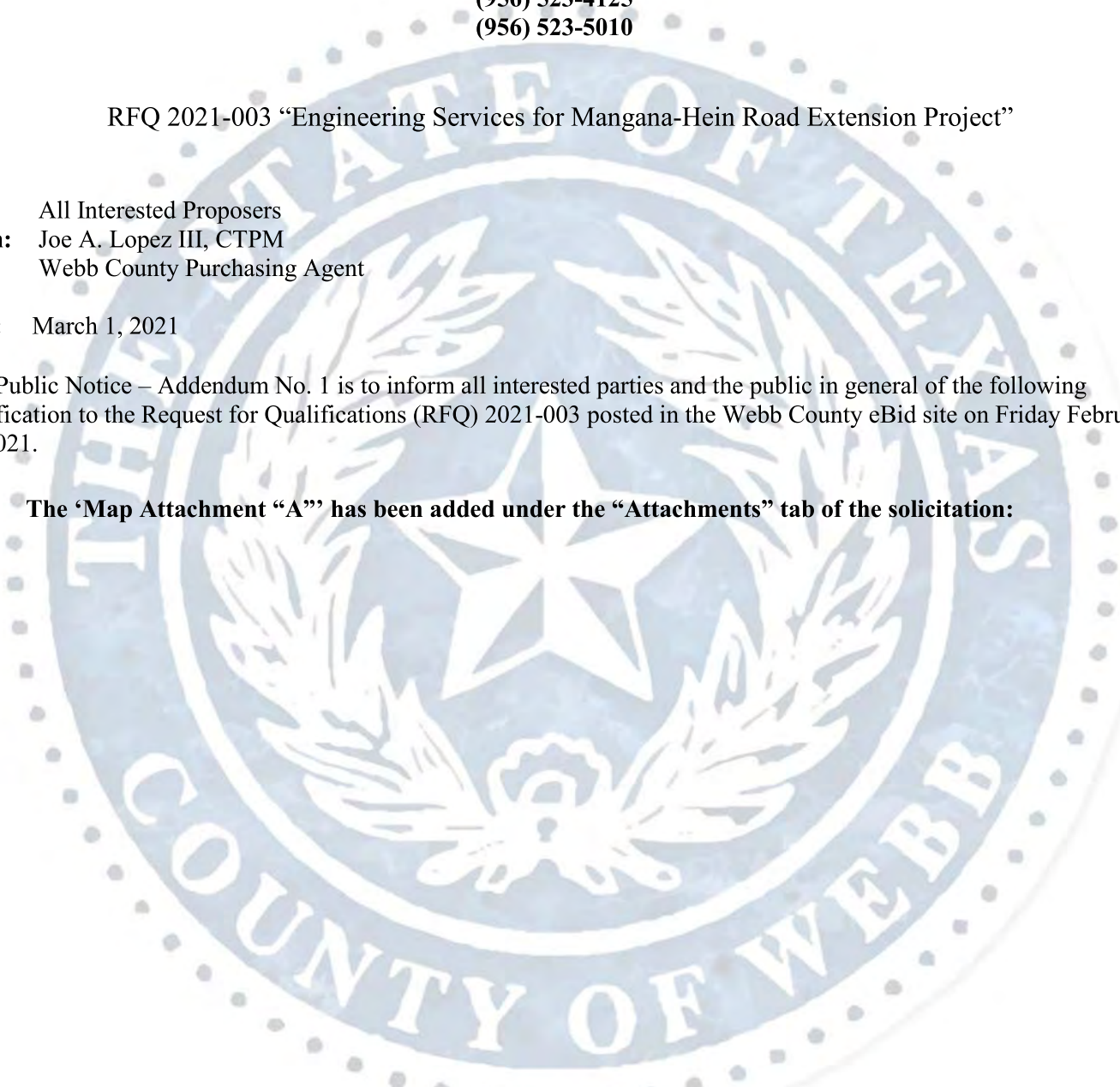
RFQ 2021-003 “Engineering Services for Mangana-Hein Road Extension Project”

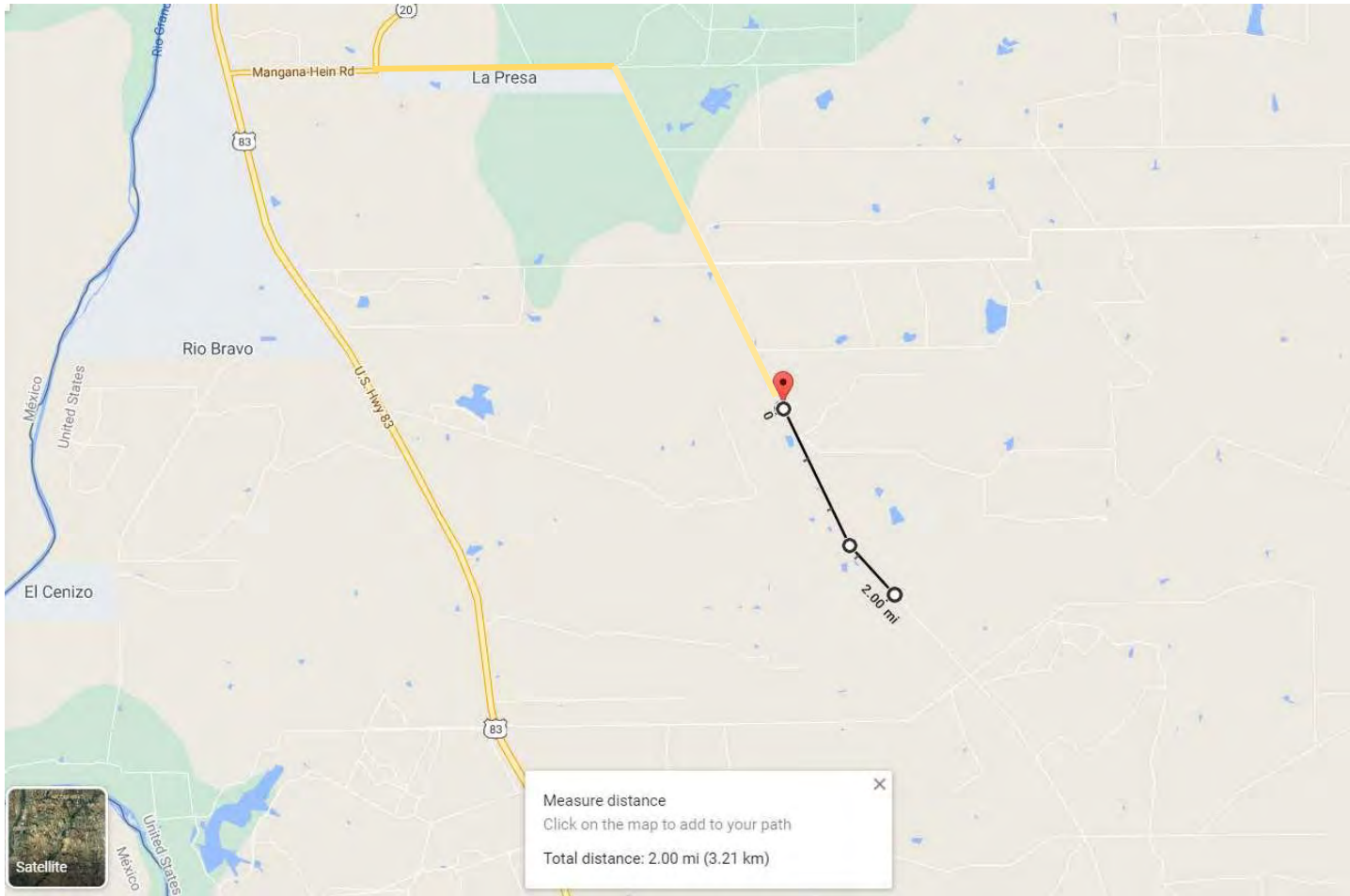
To: All Interested Proposers
From: Joe A. Lopez III, CTPM
Webb County Purchasing Agent

Date: March 1, 2021

This Public Notice – Addendum No. 1 is to inform all interested parties and the public in general of the following modification to the Request for Qualifications (RFQ) 2021-003 posted in the Webb County eBid site on Friday February 19, 2021.

- **The ‘Map Attachment “A”’ has been added under the “Attachments” tab of the solicitation:**





Mangana Hein

Start: 27.357511,-99.396285 End: 27.33116, -9937847

— Proposed Road

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

OFFICE USE ONLY

Date Received

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.

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.

Not Applicable - No Conflicts

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.

Not Applicable - No Conflicts

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
Robert J. Macheska 
Signature of vendor doing business with the governmental entity

03/01/2021

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 DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY
EXCLUSION FOR COVERED CONTRACTS

PART A.

Federal Executive Orders 12549 and 12689 require the Texas Department of Agriculture (TDA) to screen each covered potential contractor to determine whether each has a right to obtain a contract in accordance with federal regulations on debarment, suspension, ineligibility, and voluntary exclusion. Each covered contractor must also screen each of its covered subcontractors.

In this certification "contractor" refers to both contractor and subcontractor; "contract" refers to both contract and subcontract.

By signing and submitting this certification the potential contractor accepts the following terms:

1. The certification herein below is a material representation of fact upon which reliance was placed when this contract was entered into. If it is later determined that the potential contractor knowingly rendered an erroneous certification, in addition to other remedies available to the federal government, the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, or the TDA may pursue available remedies, including suspension and/or debarment.
2. The potential contractor will provide immediate written notice to the person to which this certification is submitted if at any time the potential contractor learns that the certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
3. The words "covered contract", "debarred", "suspended", "ineligible", "participant", "person", "principal", "proposal", and "voluntarily excluded", as used in this certification have meanings based upon materials in the Definitions and Coverage sections of federal rules implementing Executive Order 12549. Usage is as defined in the attachment.
4. The potential contractor agrees by submitting this certification that, should the proposed covered contract be entered into, it will not knowingly enter into any subcontract with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, and/or the TDA, as applicable.

Do you have or do you anticipate having subcontractors under this proposed contract?

Yes

No

5. The potential contractor further agrees by submitting this certification that it will include this certification titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion for Covered Contracts" without modification, in all covered subcontracts and in solicitations for all covered subcontracts.
6. A contractor may rely upon a certification of a potential subcontractor that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless it knows that the certification is erroneous. A contractor must, at a minimum, obtain certifications from its covered subcontractors upon each subcontract's initiation and upon each renewal.
7. Nothing contained in all the foregoing will be construed to require establishment of a system of records in order to render in good faith the certification required by this certification document. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
8. Except for contracts authorized under paragraph 4 of these terms, if a contractor in a covered contract knowingly enters into a covered subcontract with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, Department of Health and Human Services, United States Department of Agriculture, or other federal department or agency, as applicable, and/or the TDA may pursue available remedies, including suspension and/or debarment.

PART B. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS

Indicate in the appropriate box which statement applies to the covered potential contractor:

- The potential contractor certifies, by submission of this certification, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this contract by any federal department or agency or by the State of Texas.
- The potential contractor is unable to certify to one or more of the terms in this certification. In this instance, the potential contractor must attach an explanation for each of the above terms to which he is unable to make certification. Attach the explanation(s) to this certification.

Name of Contractor	Vendor ID No. or Social Security No.	Program No.
GDJ Engineering, LLC	81-5308035	



Signature of Authorized Representative

03/12/2021

Date

Robert J. Macheska, P.E. CFM - Executive VP/COO
Printed/Typed Name and Title of
Authorized Representative

CERTIFICATION REGARDING FEDERAL LOBBYING
(Certification for Contracts, Grants, Loans, and Cooperative Agreements)

PART A. PREAMBLE

Federal legislation, Section 319 of Public Law 101-121 generally prohibits entities from using federally appropriated funds to lobby the executive or legislative branches of the federal government. Section 319 specifically requires disclosure of certain lobbying activities. A federal government-wide rule, "New Restrictions on Lobbying", published in the Federal Register, February 26, 1990, requires certification and disclosure in specific instances.

PART B. CERTIFICATION

This certification applies only to the instant federal action for which the certification is being obtained and 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 section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$100,000 for each such failure.

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

1. No federally 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 any 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, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federally 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 these federally funded contract, subcontract, subgrant, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (If needed, contact the Texas Department of Agriculture to obtain a copy of Standard Form-LLL.)

3. The undersigned shall require that the language of this certification be included in the award documents for all covered subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all covered subrecipients will certify and disclose accordingly.

Do you have or do you anticipate having covered subawards under this transaction?

- Yes
- No

Name of Contractor/Potential Contractor	Vendor ID No. or Social Security No.	Program No.
GDJ Engineering, LLC	81-5308035	

Name of Authorized Representative	Title
Robert J. Macheska, P.E., CFM	Executive VP/COO



Signature – Authorized Representative

03/12/2021

Date

**WEBB COUNTY PURCHASING DEPT.
QUALIFIED PARTICIPATING VENDOR CODE OF ETHICS
AFFIDAVIT FORM**

STATE OF TEXAS *

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF WEBB *

BEFORE ME the undersigned Notary Public, appeared Robert J. Macheska, the herein-named "Affiant", who is a resident of Hidalgo County, State of Texas and upon his/her respective oath, either individually and/or behalf of their respective company/entity, do hereby state that I have personal knowledge of the following facts, statements, matters, and/or other matters set forth herein are true and correct to the best of my knowledge.

I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby confirm that I have reviewed and agree to fully comply with all the terms, duties, ethical policy obligations and/or conditions as required to be a qualified participating vendor with Webb County, Texas as set forth in the Webb County Purchasing Code of Ethics Policy posted at the following address: <http://www.webbcountytx.gov/PurchasingAgent/PurchasingEthicsPolicy.pdf>

I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby further acknowledge, agree and understand that as a participating vendor with Webb County, Texas on any active solicitation/proposal/qualification that I and/or my company/entity failure to comply with the Code of Ethics policy may result in my and/or my company/entity disqualification, debarment or make void my contract awarded to me, my company/entity by Webb County. I agree to communicate with the Purchasing Agent or his designees should I have questions or concerns regarding this policy to ensure full compliance by contacting the Webb County Purchasing Dept. via telephone at (956) 523-4125 or e-mail to the Webb County Purchasing Agent to joel@webbcountytx.gov.

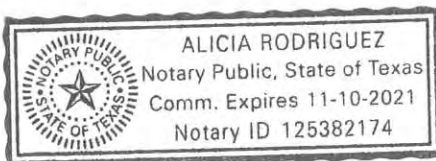
Executed and dated this 9th day of March, 2021.



Signature of Affiant

Robert J. Macheska, P.E., CFM-Executive VP/COO - GDJ Engineering, LLC
Printed Name of Affiant/Company/Entity

SWORN to and subscribed before me, this 9th day March, 2021





NOTARY PUBLIC, STATE OF TEXAS

PROOF OF NO DELINQUENT TAXES OWED TO WEBB COUNTY

Name GDJ Engineering, LLC owes no delinquent property taxes to Webb County.

GDJ Engineering, LLC owes no property taxes as a business in Webb County.
(Business Name)

Robert J. Macheska owes no property taxes as a resident of Webb County.
(Business Owner)

Alicia Rodriguez
Person who can attest to the above information

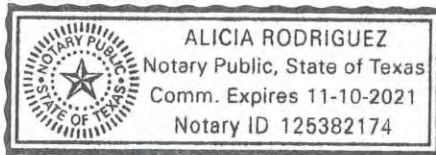
*** SIGNED NOTORIZED DOCUMENT AND PROOF OF NO DELINQUENT TAXES TO WEBB COUNTY.**

The State of Texas
County of Webb

Before me, a Notary Public, on this day personally appeared Robert J. Macheska, know to me (or proved to me on the oath of Tx. Drivers License) to be the person whose name is subscribed to the forgoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this 9th day of March 2021.

Notary Public, State of Texas



Alicia Rodriguez

(Print name of Notary Public here)

My commission expires the 10th day of November 2021.

Alicia Rodriguez



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/02/2021

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 Village Insurance Agency, Inc. P.O. Box 226 Helotes, Texas 78023	CONTACT NAME: Beverly Kalchthaler PHONE (A/C, No, Ext): 210-695-3511 FAX (A/C, No): E-MAIL ADDRESS: bkalchthaler@villageinsurance.com <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 80%;">INSURER(S) AFFORDING COVERAGE</th> <th style="width: 20%;">NAIC #</th> </tr> <tr> <td>INSURER A : Tri-State Ins Co of Minnesota</td> <td></td> </tr> <tr> <td>INSURER B : Underwriters At Lloyds</td> <td></td> </tr> <tr> <td>INSURER C : Texas Mutual</td> <td></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 : Tri-State Ins Co of Minnesota		INSURER B : Underwriters At Lloyds		INSURER C : Texas Mutual		INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : Tri-State Ins Co of Minnesota															
INSURER B : Underwriters At Lloyds															
INSURER C : Texas Mutual															
INSURER D :															
INSURER E :															
INSURER F :															
INSURED GDJ Engineering LDG Enterprises LLC 2805 Fountain Plaza Blvd., Suite A Edinburg, TX 78539 TX 78539															

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 <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			ADL4796018-12	01/04/2021	01/04/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td style="text-align: right;">\$ 300,000</td></tr> <tr><td>MED EXP (Any one person)</td><td style="text-align: right;">\$ 10,000</td></tr> <tr><td>PERSONAL & ADV INJURY</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>GENERAL AGGREGATE</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td>PRODUCTS - COMP/OP AGG</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	EACH OCCURRENCE	\$ 1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000	MED EXP (Any one person)	\$ 10,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 2,000,000	PRODUCTS - COMP/OP AGG	\$ 2,000,000		\$
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	\$																				
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			ADL4796018-12	01/04/2021	01/04/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>BODILY INJURY (Per person)</td><td style="text-align: right;">\$</td></tr> <tr><td>BODILY INJURY (Per accident)</td><td style="text-align: right;">\$</td></tr> <tr><td>PROPERTY DAMAGE (Per accident)</td><td style="text-align: right;">\$</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
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AGGREGATE	\$																				
	\$																				
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	0002025314	01/04/2021	01/04/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PER STATUTE</td><td style="text-align: right;">\$</td></tr> <tr><td>OTHER</td><td style="text-align: right;">\$</td></tr> <tr><td>E.L. EACH ACCIDENT</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>E.L. DISEASE - EA EMPLOYEE</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>E.L. DISEASE - POLICY LIMIT</td><td style="text-align: right;">\$ 1,000,000</td></tr> </table>	PER STATUTE	\$	OTHER	\$	E.L. EACH ACCIDENT	\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000				
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B	Errors & Omissions			ANE2413545.21	01/04/2021	01/04/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Each Claim</td><td style="text-align: right;">1,000,000</td></tr> <tr><td>Aggregate</td><td style="text-align: right;">1,000,000</td></tr> </table>	Each Claim	1,000,000	Aggregate	1,000,000										
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Webb County Purchasing Department 1110 Washington St., Ste. 101 Laredo, Texas 78040	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
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MINIMUM INSURANCE REQUIREMENTS

During the term of the Contract, the Contractor at its sole cost and expense shall provide primary commercial insurance of such type and with such terms and limits as may be reasonably associated with the Contract. As a minimum, the Contractor shall provide and maintain the following coverage and limits:

Workers Compensation, as required by the laws of Texas, and Employers' Liability, as well as All States, USL&H and other endorsements if applicable to the project, and in accordance with state law.

Employers' Liability

Each Accident: \$1,000,000

Disease – Each Employee:

\$1,000,000 Policy Limit:

\$1,000,000

Commercial General Liability, including but not limited to the coverage indicated below. Coverage shall not exclude or limit Products/Completed Operations, Contractual Liability, or Cross Liability. Webb County shall be named Additional Insured on primary/non-contributory basis.

Each Occurrence: \$1,000,000

Personal and Advertising Injury:

\$1,000,000 Products/Completed

Operations: \$1,000,000 General

Aggregate (per project): \$2,000,000

Automobile Liability, including coverage for all owned, hired, and non-owned vehicles used in connection with the contract. Webb County shall be named Additional Insured on primary/non-contributory basis.


Combined Single Limit-Each Accident: \$1,000,000

Umbrella/Excess Liability (Webb County shall be named Additional Insured on primary/non-contributory

basis) Each Occurrence/Aggregate: \$1,000,000

Professional/Errors & Omissions Liability (if applicable) Each Occurrence/Aggregate: \$1,000,000

Policies of insurance required by the contract shall waive all rights of subrogation against the County, its officers, employees and agents. If any applicable insurance policies are cancelled, materially changed, or non-renewed, contractor shall give written notice to the County at least 30 days prior to such effective date and within 30 days thereafter, shall provide evidence of suitable replacement policies. Failure to keep in force the required insurance coverage may result in termination of the contract. Upon request, certified copies of original insurance policies shall be furnished to the County.



**Texas Board of Professional
Engineers and Land Surveyors**

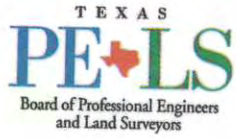
CERTIFICATE OF REGISTRATION

This acknowledges that
LDG ENTERPRISES, LLC

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-20061

Expiration Date
8/31/2021



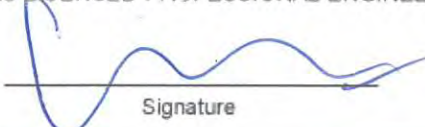
Number: **93540**
Status: **ACTIVE**
Expires: **3/31/2021**

ROBERT JON MACHESKA
Texas Licensed Professional Engineer



Signature

Please print this page and cut out the pocket card below.
[print . . . close](#)

<p>TEXAS PE+LS Board of Professional Engineers and Land Surveyors</p>	<p>Number: 107692 Status: ACTIVE Expires: 9/30/2021</p>
<p>CHRISTOPHER REY RODRIGUEZ</p>	
<p>TEXAS LICENSED PROFESSIONAL ENGINEER</p>	
<p> Signature</p>	



Board of Professional Engineers
and Land Surveyors

Number: **60710**

Status: **ACTIVE**

Expires: **9/30/2021**

MARK PATRICK MCCLELLAND

TEXAS LICENSED PROFESSIONAL ENGINEER

A handwritten signature in blue ink that reads "Mark Patrick McClelland". The signature is written in a cursive style and is positioned above a solid horizontal line.

Signature



Number: **103749**
Status: **ACTIVE**
Expires: **3/31/2021**

OLIVER FRANCIS SALGADO
Texas Licensed Professional Engineer



Signature

**THE ASSOCIATION OF STATE
FLOODPLAIN MANAGERS, INC.
AND THE
TEXAS FLOODPLAIN MANAGEMENT
ASSOCIATION**

HEREBY RECOGNIZES

ROBERT MACHESKA

AS A NATIONALLY ACCREDITED

CERTIFIED FLOODPLAIN MANAGER

For meeting criteria in the area of experience, references, education and training in floodplain management and hazard mitigation. This CFM has passed the Texas National CFM exam which exhibits competency with the basic principles of sound floodplain management as mandated by the National Flood Insurance Program.

CERTIFICATION #2196-11N

ISSUED: December 27, 2011



A handwritten signature in black ink, reading "Diane Calhoun".

**Diane Calhoun, CFM
President, TFMA**

A handwritten signature in black ink, reading "Roy D. Sedwick".

**Roy D. Sedwick, CFM
Executive Director, TFMA**

**THE ASSOCIATION OF STATE
FLOODPLAIN MANAGERS, INC.
AND THE
TEXAS FLOODPLAIN MANAGEMENT
ASSOCIATION**

HEREBY RECOGNIZES

CHRISTOPHER RODRIGUEZ

AS A NATIONALLY ACCREDITED
CERTIFIED FLOODPLAIN MANAGER

For meeting criteria in the area of experience, references, education and training in floodplain management and hazard mitigation. This CFM has passed the Texas National CFM exam which exhibits competency with the basic principles of sound floodplain management as mandated by the National Flood Insurance Program.

CERTIFICATION #2407-13N
ISSUED: APRIL 27, 2013



Diane Calhoun

Diane Calhoun, CFM
President, TFMA

Roy D. Sedwick

Roy D. Sedwick, CFM
Executive Director, TFMA