

HIDALGO COUNTY
Professional Engineering Services
Agreement C-24-0195-08-20

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-24-0195-08-20, incorporated herein by reference, for the “Highway Safety Improvement Program (HSIP) 2023 Call” made by and between HIDALGO COUNTY, action herein by and through the Commissioner’s Court, hereinafter called the “**Owner**,” and GDJ Engineering, LLC, hereinafter called “**Engineer**”.

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide Surveying and PS&E services for TxDOT HSIP 2023 - Canton Rd-Cesar Chavez, Tower Rd-Curve Rd & Canton Rd-Tower Rd Intersections.

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment “A”** – “*Scope of Services to be provided by Engineer*” attached hereto and incorporated by reference.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$68,078.00**. This amount is based upon the costs outlined in the **Attachment “B”** – “*Fee Proposal*” attached hereto and incorporated by reference.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services Agreement No. C-24-0195-08-20** between the **Owner** and the **Engineer**.

PART 4. FUNDING

This Work Authorization No. 1 shall be funded through funding source:

Account No. _____

Requisition Number _____ **(MUST BE INCLUDED AFTER CC APPROVAL)**

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate **upon completion of the scopes of the Work Authorization, within the limits of Agreement No C-24-0195-08-20, provided in this Work Authorization; or on** (_____ **DATE** _____). *If applicable:* Engineer shall conform to the approved “Work/Project Schedule”, attached hereto and incorporated by reference herein as **Attachment “C”**.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties’ responsibilities and obligations provided under the Agreement No. C-24-0195-08-20.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct 4, Commissioner Ellie Torres**, as to content and detail of this **Work Authorization No. 1**.

HIDALGO COUNTY PRECINCT No. 4

By: _____
Ellie Torres, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners’ Court on August 20, 2024 as indicated below and effective as of 20 day of August, 2024.

EXECUTED as of the day and year first written above.

APPROVED BY COMMISSIONERS’ COURT ON AUGUST 20, 2024.

Agenda Item No. 96173

Executive Office: _____

ENGINEER:
GDJ ENGINEERING, LLC

COUNTY:
COUNTY OF HIDALGO .

Robert Macheska, P.E., CFM

Hon. Richard F. Cortez, County Judge

ATTEST:

Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS:

Attachment “A” – *Scope of Services to be provided by Engineer*

Attachment “B” – *Fee Proposal*

Attachment “C” – *Approved Work/Project Schedule (If applicable)*

August 5, 2024

Hon. Ellie Torres
Commissioner, Hidalgo County Pct. #4
1051 N. Doolittle Road
Edinburg, Texas 78542

**RE: TxDOT Highway Safety Improvement Program (HSIP) 2023 Call Project Proposal
Work Authorization #1**

Dear Commissioner Torres,

As discussed, attached for your review and approval is our proposal to provide design services for the TxDOT HSIP 2023 Call Project.

This Work Authorization proposal is in the amount of **\$68,078.00.**

Attached you will find the following documents in support of the proposal:

1. Attachment A – Scope of Services By Engineer
2. Attachment B – Fee Proposal
3. Attachment C – Project Schedule
4. Subcontracting Notice

If this proposal is acceptable to you, please advise if I can assist in anything further for submittal to Commissioner's Court. Thank you for this opportunity to assist Hidalgo County Precinct #4 in your transportation needs and should you have any questions regarding this submittal, do not hesitate to call me at (956) 603-2025.

Sincerely,



Robert Macheska, P.E., CFM
Executive VP/COO
GDJ Engineering, LLC

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

PROJECT DESCRIPTION

The services designated herein as "Services provided by the ENGINEER" shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: Hidalgo County

CONTROL: _____

PROJECT/DESCRIPTION: Surveying and PS&E

LENGTH: 3 Intersection Locations

HIGHWAY: 3 Intersection Locations

LIMITS: At Canton Road & Cesar Chavez
At Tower Road & Curve Road
At Canton Road & Tower Road

PROJECT CLASSIFICATION

(Place an "X" in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Interchange (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Intersection Improvements

ENGINEER shall mean GDJ Engineering.

COUNTY shall mean Hidalgo County.

LPA shall mean Hidalgo County.

ATTACHMENT “A”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC
INVOLVEMENT
(Function Code 120)

1. A field/site investigation will be completed, and photos will be included in the documentation.
 2. Preparation of TxDOT EPIC and TPWD BMP sheets would be completed in accordance with TxDOT latest standards.
 3. General Guidelines for Preparation of Environmental Documents
 - a. All reports and coordination will be submitted electronically to the LPA.
 - b. The Engineer will provide one (1) hard copy to the LPA upon request.
 - c. Exhibits in the environmental document shall be color copies and text shall be black and white.
 - d. If required, services that would be performed at an additional cost, that are not included in this scope, are as follows:
 - i. Any sampling, analysis or any environmental hazard or contaminate (including but not limited to asbestos-containing materials, lead based paint, or radon).
 - ii. Any wetland delineations.
 - iii. Remedial or corrective actions.
 - iv. Any Phase II ESA activities.
 4. Environmental Reports (All Environmental Reports shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations, Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.)
 - a. An Environmental Document shall be prepared anticipating one of the following levels of clearance:
 - i. A Categorical Exclusion
 - ii. A Finding of No Significant Impact
 - b. If it is determined that an Environmental Assessment is not sufficient, an Environmental Impact Statement shall be prepared under a supplemental agreement.
 - i. A Draft Environmental Impact Statement shall be prepared. After appropriate interagency and public reviews within time limits prescribed by the Code of Federal Regulations, Title 23, Part 771 and 43 Texas Administrative Code 2.40-2.51, a Final Environmental Impact Statement shall be prepared.
 5. Technical Reports
Technical reports will be scoped with TxDOT’s Work Plan Development Tool (WPD) and prepared in accordance with the TxDOT Environmental Toolkit.
 - a. Biological Assessment
 - i. A Species Analysis and Site Assessment will be completed in accordance with the STATE’S guidelines. The assessment shall be provided as a Technical Report and results included in the administratively complete document for the project.
 - b. Water Resources
 - i. A Surface Water Analysis will be completed in accordance with the STATE’S guidelines. The analysis shall be provided as a Technical Report and results included in the administratively complete document for the project.
-

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

FIELD SURVEYING AND PHOTOGRAMMETRY

(Function Code 150)

TOPOGRAPHY AND CONSTRUCTION SURVEYS:

The SURVEYOR will perform Topography and Construction Surveying for the project which will include:

1. Primary Project Control: 3 to 5 mile spacing (Precision shall be 1 part in 20,000 or better, unless otherwise directed by the ENGINEER).
 - a. Establish Horizontal Control Points
 - b. Establish Vertical Control Points

NOTE: ALL BEARING AND DISTANCE SHALL BE BASED ON THE STATE PLANE COORDINATE SYSTEM NAD 1983, SOUTH ZONE.

ALL DISTANCES AND COORDINATES SHALL BE SURFACE AND MAY BE CONVERTED TO GRID BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.999960

2. Secondary Project Control (Surveyor shall recover and/or reset H&V Control Points as provided by the Engineer and create Survey Data Sheets for inclusion in the Project Plans).
 - a. No traverse should exceed 25 angle points. Planimetrics shall be 20 ft Lt & Rt from the proposed ROW as per the schematic provided by the Engineer.
 - b. The unadjusted angular error should not exceed 2 seconds per angle, plus 14 seconds.
 - c. The unadjusted ratio of precision should be one part in 10,000 or better (The ratio of precision is the total length of the traverse divided by the total error.).
 - d. The unadjusted vertical error should not exceed 0.03 foot per mile of traverse.
 3. Other Field Surveying
 - a. **The limit of the Design surveys shall be 1,500-ft before and after the limits of the project as identified by the Project Engineer on the schematic. Establish horizontal and vertical control.** Set benchmarks at 1000-ft intervals along the project proposed right-of-way. Provide x, y, z for each Benchmark. Provide a BM along each outfall identified on the Hydrologic Map. The BM's shall be #5 I.R. 2-ft in depth set in concrete. **The surveyor shall provide an H&V Book (a Sample shall be provided by the Engineer to the Surveyor).** The Surveyor will provide a 3-pt reference sketch with ties to the BMs for inclusion the existing H&V Control Book. Establish benchmark circuit throughout the project with a tolerance of 0.03'/ft per mile error vertically.
 - b. The Surveyor shall provide complete topographic and cross section survey, data processing, and CADD mapping (2D & 3D) for the limits of the project.
 - c. The Surveyor shall locate all visible utilities, data processing and CADD mapping (2D & 3D) including irrigation lines. Follow sample provided by the Engineer.
 - d. The Surveyor shall field locate cross culverts, driveway culverts, inverts, irrigation lines, within the project limits, data processing and CADD mapping (2D & 3D).
 - e. Right of Entry, Right of Way Research, and Appraisal District Records is the responsibility of the Surveyor.
 - f. The Surveyor shall also paint the proposed centerline on the existing pavement as approved by the ENGINEER (at 500-ft stations and a tick mark at 100-ft stations, 12 inches long with approved paint by ENGINEER) before construction for the purpose of utility adjustments and project location.
 - g. Profile and cross section intersecting streets for ties into project (500-ft. beyond the proposed ROW per schematic and 20-ft wider than the existing ROW of intersecting street). Reference missing voids as per CD provided by the Engineer.
-

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

- h. Cross section irrigation crossings for a distance of 20-ft beyond the proposed ROW at 100-ft intervals in a DTM file. Provide a complete description of irrigation appurtenances as identified by the engineer sample layout.
 - i. Tie Horizontally and Vertically the existing storm drain system that lies within the existing proposed ROW including the elevation of the outfall of said recovered existing storm drain systems.
 - j. Tie to existing underground and overhead utilities (location, elevation and direction)
 - i. Horizontally - The surveyor shall call the 1-800 number for the utilities to be marked on the ground as well as any city water and sewer lines. He shall tie all visible utility crossings with name, address and Phone #'s of utility companies. The engineer will coordinate with the utility companies and jointly the Surveyor and the Engineer will identify which utilities were missed and need to be tied down.
 - ii. Vertically - The engineer shall identify all utilities that are potential conflicts and that need to be tied vertically. The engineer will advise the surveyor in writing of the needed vertical ties and the surveyor will tie the lines vertically once the surveyor has coordinated the exposure and provide the information to the engineer.
 - k. Additional Field Surveying as shown below:
 - i. Irrigation Lines - The surveyor will meet with the engineer before he ties down any irrigation lines. The Engineer will provide him the existing Irrigation District Maps and the A&M Data of existing irrigation lines that are identified of record. He will follow the sample given to him by the engineer and tie the structures horizontally and vertically and provide Field Books to the engineer.
 - ii. Outfalls - The surveyor will provide a complete 2D & 3D File including utilities of the outfall identified on the Hydrologic Map.
 - l. Driveways and Turnouts
 - i. Inventory commercial entrances, public roads and side streets separately.
 - ii. Obtain centerline station (Width at ROW, Pavement and existing radius).
 - iii. Inventory by type (dirt, caliche, gravel or paved). If paved, indicate condition in terms of no patches, has patches or has potholes.
 - iv. Obtain width at ROW line
 - v. Obtain elevations at both edges of the driveway or turnout in line with any side drain.
 - m. ROW Staking (Existing and proposed @ 1,000 ft stations, PC's, PT's and Angle points as per ROW Map)
 - n. Soil core hole staking
 - o. Determine changes in topography from voids and outdated maps due to development, erosion, etc.
 - p. Profile existing drainage facilities, if applicable
 - q. Measure hydraulic openings under existing bridges, if applicable
 - r. Obtain elevations of manholes and valves of utilities, if applicable
 - s. Provide temporary signs, traffic control, flags, safety equipment, etc.
 - t. Provide ties to existing bridges or culverts that may conflict with new construction
 - u. If there is a Bridge widening, provide top of deck and/or top of cap elevations at the Profile Grade Line (PGL) and the edges of slab at bent locations.
 - v. Inventory signs, mailboxes and driveways
 - w. Survey controlled data sheets as per STATE guidelines
-

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

ADDITIONAL RESPONSIBILITIES

A. TRAFFIC CONTROL:

The SURVEYOR shall control traffic in and near surveying operations adequately to comply with provisions of the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI and the latest edition of the Occupational Safety Manual both of which can be found on the TxDOT internet site.

In the event field crew personnel must divert traffic or close traveled lanes, a Traffic Control Plan based upon principles outlined in the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI shall be prepared by the SURVEYOR and approved by the ENGINEER prior to commencement of field work. A copy of the approved plan shall be in the possession of field crew personnel on the job site at all times and shall be made available to the ENGINEER for inspection upon request.

B. INVOICING:

Payment requests shall include a SURVEYOR's invoice. With each payment request, the SURVEYOR shall submit a project status report which will, as a minimum, include the percentage of total work complete as of the date of the payment request and a description of current work activity. The percentage of total work complete shall not be based simply on the percentage of funds expended, but shall be based on the best judgment of the SURVEYOR as to the percentage of actual work complete.

C. EASEMENTS, LETTERS OF PERMISSION, ETC.

The SURVEYOR shall be responsible for delineating easements. The SURVEYOR will be responsible for securing the necessary legal instruments and obtaining all Right-of-Entries (ROEs).

D. MEETINGS:

The ENGINEER shall setup the necessary meetings with the SURVEYOR in order to assure all field information is provided on-time and products are delivered in accordance with TxDOT's/LPA's specifications. SURVEYOR must attend all meetings involving data provided if requested by ENGINEER.

E. PROJECT MANAGER/SURVEYOR COMMUNICATION:

The SURVEYOR shall designate one Texas Registered Professional Land Surveyor (RPLS) to be responsible throughout the project for project surveying coordination and all communications, including billing, with the ENGINEER.

F. OFFICE LOCATION:

The SURVEYOR will perform the services to be provided under this agreement out of a local office and have a crew available to perform requested tasks within 24 hours of request. The coordinating SURVEYOR's Project Manager (RPLS) shall be accessible at all times and working from the local office.

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

ROADWAY DESIGN CONTROLS
(Function Code 160)

ROADWAY DESIGN:

The ENGINEER will perform roadway design services for the needed construction repairs along the project limits. The services will include:

1. Geometric Design
 - a. Horizontal and Vertical Alignment
 - b. All geometric design shall be in conformance with the State's Design Division, Operations and Procedures Manual, except where variances are permitted in writing by the LPA.
 - c. Handling of traffic during construction shall be a consideration in the development of preliminary designs.

2. Grading Design
 - a. Refine the horizontal alignment including the following items
 - i. Typical Sections
 - ii. Design Cross Sections
 - iii. Determine Cut and Fill Quantities

3. Pavement Design
 - a. Prior to initiating detailed plan preparations for a project, a preliminary investigation shall be made to determine the approximate section and pavement type to be used for the pavement structure. The Flexible Pavement Design Manual for flexible pavement, "Appendix F" of the Design Division, Operations and Procedures Manual, and the current AASHTO Guide for the Design of Pavement Structures, may be used for this purpose.
 - b. The typical section shall also reflect proposed geometric including pavement cross slopes, lane and shoulder widths, and slope rates whenever this data have not been previously shown on a schematic submission.
 - c. Basic Design Criteria
 - d. Cost Data
 - e. Pavement Material Properties

ATTACHMENT “A”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

DRAINAGE
(Function Code 161)

DRAINAGE DESIGN:

The ENGINEER will perform drainage design services for the needed construction repairs along the project limits. All hydraulic design shall be in accordance with TxDOT’s Hydraulic Manual, except where variances are permitted in writing by the LPA. The services will include:

1. Hydrologic & Hydraulic Studies, Discharges
 - a. Hydrologic Map showing drainage areas, contours and drainage Q’s.
 - b. Drainage area maps showing existing conditions and proposed improvements.
 - c. Hydrologic data/discharge determination

2. Hydraulic Drainage Study & Documentation
 - a. Hydraulic Computations, if applicable
 - i. Culverts
 - ii. Channels
 - iii. Storm sewers/inlets
 - b. Determine impact of proposed drainage plan on Drainage District or Irrigation District receiving streams

3. Layout, Structural Design and Detailing of Drainage Features
 - a. Culverts
 - i. New Culverts
 - ii. Culvert widening and/or lengthening
 - iii. Culvert replacements
 - b. Storm Sewers
 - i. New storm sewers
 - ii. Modify existing storm sewers
 - iii. Inlets
 - iv. Manholes
 - v. Trunk lines
 - c. Outfall channel(s) within the ROW
 - d. Summary of Quantities

4. Storm Water Pollution Prevention Plan (SW3P)

SIGNING, MARKINGS AND SIGNALIZATION
(Function Code 162)

PAVEMENT MARKINGS:

The ENGINEER will provide pavement marking layouts for the needed construction repairs along the project limits. The services will include:

1. Signing and Markings Layout
 - a. Roadway layout
 - b. Center line with station numbering
 - c. ROW lines
 - d. Culverts and other structures that present a hazard to traffic
-

ATTACHMENT “A”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

- e. Location of utilities, if not shown on plan and profile
 - f. Existing signs to remain, to be removed, to be relocated
 - g. Proposed signs (illustrated and numbered)
 - h. Existing overhead sign bridges to remain, to be revised, removed or relocated
 - i. Proposed overhead sign bridges indicating location by plan layout (electrical details need not be shown on this layout)
 - j. Proposed markings (illustrated and quantified) which include pavement markings, object markings and delineation
 - k. Quantities of existing pavement markings to be removed
 - l. Proposed delineators and object markers
2. For projects involving freeway to freeway or other types of directional interchanges, projects including left-hand ramps or connections, the following information must be provided:
- a. The location of interchanges, main lanes, grade separations, frontage roads and ramps
 - b. Complete explanation of the sequence and methods of stage construction, where applicable, which would include the initial and ultimate proposed treatment of crossovers and ramps
 - c. The number of lanes in each section of proposed highway and the location of changes in number of lanes
 - d. The projected traffic volumes as provided by the STATE (20 year traffic projection, unless otherwise determined by the District Engineer)
 - e. Tentative ROW limits
 - f. Direction of traffic flow on all roadways
 - g. Main lane, ramp, frontage road and necessary cross road profiles at proposed interchanges or grade separations
3. Summary of Small Sign Tabulation
4. Summary of Large Sign Tabulation including all Guide Signs (if applicable)
5. Sign Detail Sheets
- a. All signs except for route markers
 - b. Design details for large guide signs
 - c. Dimensions of letters, shields, borders, corner radii, etc.
 - d. Designation of shields attached to guide signs
 - e. Designation of arrow used on exit direction signs
6. Illumination Layouts & Details (Safety Lighting)

PROJECT MANAGEMENT

(Function Code 164)

MEETINGS, COORDINATION & SUPPORT FOR PROJECT MANAGEMENT:

The ENGINEER shall meet and coordinate with all relevant entities (i.e. County, Regional Mobility Authority, Texas Department of Transportation, Rio Grande Valley Metropolitan Planning Organization, etc...) and all other affected parties. The Engineer shall serve as representative for the LPA in coordination items. The Engineer shall coordinate with the LPA's staff on all Project related items.

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

ADDITIONAL RESONSIBILITIES

EASEMENTS, LETTERS OF PERMISSION, ETC.:

The ENGINEER shall be responsible for delineating easements. The ENGINEER will be responsible for securing the necessary legal instruments.

MEETINGS:

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the LPA. The ENGINEER shall coordinate through the LPA for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

SPECIFICATIONS, SPECIAL PROVISIONS, SPECIAL SPECIFICATIONS:

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

PROJECT MANAGER/ENGINEER COMMUNICATION:

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the LPA's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the LPA.

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

DESIGN RESPONSIBILITIES:

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the LPA and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the LPA will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

DOCUMENT AND INFORMATION EXCHANGE:

Data, Plan Sheets, General Notes and/or Specifications provided to the LPA shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

ATTACHMENT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the LPA.

If required, the ENGINEER shall provide to the LPA, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the LPA's computer system.

CD Tape Required (YES or NO): YES

PROPOSAL TIME:

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

OFFICE LOCATION:

The ENGINEER will perform all services to be provided under this agreement out of their office located at: 2805 Fountain Plaza Blvd., Suite B, Edinburg, Texas 78539



"Attachment B" Fee Estimate

Hidalgo County Precinct #4: TxDOT HSIP 2023 Call - Fee Proposal Various Intersection Locations

TxDOT HSIP 2023 Call Fee Proposal - Canton Rd-Cesar Chavez, Tower Rd-Curve Rd & Canton Rd-Tower Rd Intersections		MANHOURS								Total Hours	Total Line Item Cost
		Principal/Senior Project Manager	Project Manager	Environmental/Utility Manager	Project Engineer	Environmental Specialist	EIT	Engineering Tech	Admin/Clerical		
TASK											
OVERALL PROJECT TASKS (ALL INTERSECTION LOCATIONS)											
1	Environmental Services - WPD I-II		2	6		16			2	26	\$ 2,806.00
2	Environmental Services - Biological Resources: Technical Report		2	12		34		8		56	\$ 5,926.00
3	Environmental Services - Water Resources: Technical Report		2	12		34		8		56	\$ 5,926.00
4	Project Management, TxDOT Coordination & Site Visits	2	6	6	12					26	\$ 3,778.00
Sub Total (Canton Rd-Cesar Chavez Rd Intersection)		2	12	36	12	84	0	16	2	164	\$ 18,436.00
CANTON ROAD-CESAR CHAVEZ ROAD INTERSECTION											
5	Design Survey	SUBCONSULTANT SURVEY COST									\$ 1,200.00
6	PS&E Development	SUBCONSULTANT ILLUMINATION DESIGN COST									\$ 9,250.00
7	Coordination with Power Company for Safety Lighting	TO BE PROVIDED BY COUNTY									\$ -
Sub Total (Canton Rd-Cesar Chavez Rd Intersection)		0	0	0	0	0	0	0	0	0	\$ 10,450.00
TOWER ROAD-CURVE ROAD INTERSECTION											
8	Design Survey	TO BE PROVIDED BY COUNTY									\$ -
9	PS&E Development	2	6	8	10		16	18	2	62	\$ 6,872.00
Sub Total (Tower Rd-Curve Rd Intersection)		2	6	8	10	0	16	18	2	62	\$ 6,872.00
CANTON ROAD-TOWER ROAD INTERSECTION											
10	Design Survey	SUBCONSULTANT SURVEY COST									\$ 2,000.00
11	PS&E Development	4	20	32	50		76	98		280	\$ 30,320.00
Sub Total (Canton Rd-Tower Rd Intersection)		4	20	32	50	0	76	98	0	280	\$ 32,320.00
Total Labor Hours		8	38	76	72	84	92	132	4	506	
Contract Rate		\$ 185.00	\$ 160.00	\$ 132.00	\$ 138.00	\$ 99.00	\$ 95.00	\$ 82.00	\$ 55.00		
Total Labor Costs		\$ 1,480.00	\$ 6,080.00	\$ 10,032.00	\$ 9,936.00	\$ 8,316.00	\$ 8,740.00	\$ 10,824.00	\$ 220.00		\$ 68,078.00

LINE ITEM EXPENSES

N/A

\$ -

Total Expenses

\$ -

GDJ Engineering Total Cost

\$ 68,078.00

**ATTACHMENT "C" - WORK SCHEDULE
TxDOT HSIP 2023 Call - 3 Intersections**

TASK AND DESCRIPTION	2024															
	AUGUST				SEPTEMBER				OCTOBER				NOVEMBER			
	WK1	WK2	WK3	WK4	WK1	WK2	WK3	WK4	WK1	WK2	WK3	WK4	WK1	WK2	WK3	WK4
Hid Cty Pct #4 - TxDOT HSIP 2023 Call																
Notice To Proceed																
Overall Project Tasks																
Environmental Reports																
Environmental Clearance																
Design Tasks																
Design Survey																
Coordination with Power Company for Lighting																
PS&E Development																
TxDOT Review																
Final TxDOT Submittal																

 GDJ ENGINEERING TEAM TASK
 HIDALGO COUNTY/TxDOT TASK