



# TEDSI INFRASTRUCTURE GROUP

*Consulting Engineers*  
1201 E. Interstate Hwy. 2 ♦ Mission, Texas 78572

October 13, 2023

Mr. Juan Pablo “JP” Terrazas, P.E.  
Assistant City Manager/City Engineer  
City of Mission  
1201 E. 8<sup>th</sup> Street  
Mission, Texas 78572

**Reference: HSIP – TxDOT Traffic Signal Design Project**

Dear Mr. Terrazas:

**TEDSI Infrastructure Group Inc (TEDSI)** is pleased to submit the following proposal for engineering & surveying services for the above referenced project. A commitment letter, a detailed scope of services, a project schedule, and project location map will be provided as an attachment. Below is the cost breakdown and a brief description of services for the proposal.

Task 1 - Topographic Surveying Services – Subconsultant Kane-Lindsey	\$12,500.00
Task 2 - Utility Coordination	\$5,610.44
Task 3 - Field Assessment	\$2,820.01
Task 4 - Data Collection Services – Subconsultant CJ Hensch	\$3,125.00
Task 5 - Plan Production / Design Services	\$78,812.71
Task 6 - Environmental Services – Subconsultant GDJ Engineering	\$22,964.00
Task 7 - Procurement Services	\$10,193.80
Task 8 - Construction Support Services	\$17,216.90
Task 9 - PS&E TxDOT’s Documents Preparation	\$4,534.54
Task 10 - TDLR Inspection Services – Subconsultant ACA, LLC	\$6,375.00

**Grand Total** **\$164,152.40**

Should you have any questions or concerns, please feel free to contact me via email at [edietrich@tedsi.com](mailto:edietrich@tedsi.com) or via phone at 956-424-7898.

Sincerely,  
TEDSI INFRASTRUCTURE GROUP, INC.



Eric R. Dietrich, P.E., PTOE  
Project Manager

## **EXHIBIT “A”**

### **Scope of Work**

#### **PROJECT DESCRIPTION**

The purpose of the *HSIP – TxDOT Traffic Signal Design Project* is to provide engineering services to design and upgrade 3 existing overhead flashing beacon assemblies and 2 existing signals into fully actuated traffic signals implementing flashing yellow signal heads.

Tasks are as follows:

- Task 1 - Topographic Surveying Services
- Task 2 - Utility Coordination
- Task 3 - Field Assessment
- Task 4 – Turning Movement Data Collection Services
- Task 5 – Design and Plan Production Services
- Task 6 - Environmental Services
- Task 7 - Procurement Services
- Task 8 - Construction Support Services
- Task 9 - PS&E TxDOT's Documents Preparation
- Task 10 - TDLR Inspection Services

#### **TASK 1 – TOPOGRAPHIC SURVEYING SERVICES**

Sub-consultant shall survey existing conditions 100-feet in all directions of intersecting Streets within existing right-of-way at:

- 1) 2-Mile and Holland (Trosper)
- 2) 2-Mile and Stewart Road
- 3) 2-Mile and Glasscock Road
- 4) FM 495 (Griffen Parkway) and Los Ebanos Road, and
- 5) Conway Avenue and 1st Street.

Survey to include Texas 811 utility mark request, identify flashing beacon elements, determine overhead line clearance at edge of pavements/Back of Curb, locate above ground utilities and marked Texas 811 markings, locate roadway features (paint stripes, curb/gutter, crown of road), locate sidewalks and handicap ramps, establish existing intersection right-of-way, and map overhead/aerial lines. The ENGINEER shall review and provide any pertinent comments on the survey.

#### **TASK 2 – UTILITY COORDINATION**

The ENGINEER shall:

- Perform Utility Coordination with Utility Owners
- Conduct Utility Coordination Meetings with Utility Owners
- Provide Overall Layouts Showing Potential Utility Conflicts

#### **TASK 3 – FIELD ASSESSMENT**

The ENGINEER shall visit each one of the locations to visually assess and inventory site locations.

## **EXHIBIT “A”**

### **Scope of Work**

#### **TASK 4 – TURNING MOVEMENTS DATA COLLECTION SERVICES**

The sub-consultant shall collect 12-hour Turning Movement Counts at the 6 intersections. ENGINEER shall review and approve collected data for preparation of timing chart for isolated conditions.

#### **TASK 5 – DESIGN AND PLAN PRODUCTION SERVICES**

The ENGINEER shall prepare the Plans, Specifications & Estimates package which includes the following:

- Title Sheet
- Index of Sheets
- Summary Tables of Estimated Quantities
- General Notes & Specifications
- Traffic Control General Notes
- Traffic Control Plan Sheets
- Traffic Control Standards
- Existing Conditions Layout
- Proposed Signal Layout (2 sheets)
- Signing and pavement markings
- Curb and Sidewalk Details
- Storm Water Pollution Prevention Plan
- Storm Water Pollution Prevention Plan Standards
- Construction Cost Estimates
- Specifications, TXDOT Standards as Needed

All deliverables via email in pdf format, excel format where appropriate.

ENGINEER to provide 30%, 60% and 90% review submittals. ENGINEER to address City's comments.

#### **TASK 6 – ENVIRONMENTAL SERVICES**

Sub-consultant shall prepare:

A Phase I Environmental Site Assessment will be completed in accordance with ASTM International's approved ASTM E1527-21.

- a. Compilation and review of Public Records that may indicate potential contamination or deposition of hazardous materials on the subject property (ies).
  - b. Site Reconnaissance would be completed to inspect for evidence of past and/or current presence of hazardous materials on the subject property (ies) and adjacent properties.
  - c. Report Preparation which will include maps, sources consulted, transcripts of interviews (if applicable), recommendations, findings, and document records.
2. A field/site investigation will be completed, and photos will be included in the documentation.
  3. Preparation of TxDOT EPIC and TPWD BMP sheets would be completed in accordance with TxDOT latest standards.
  4. General Guidelines for Preparation of Environmental Documents

## **EXHIBIT “A”**

### **Scope of Work**

- a. All reports and coordination will be submitted electronically to the Client.
- b. The Engineer will provide one (1) hard copy to the Client 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 contamination (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.

The ENGINEER shall review and provide any pertinent comments on the assessment.

### **TASK 7 – PROCUREMENT**

The ENGINEER shall:

- Prepare Bid Documents
- Attend and Prepare Minutes for Pre-Bid Conference
- Respond to Requests for Information (RFI)
- Issue Addendum(s)

### **TASK 8 – CONSTRUCTION SUPPORT SERVICES**

The ENGINEER shall:

- Respond to Request for Information (RFI)
- Engineering Support

### **TASK 9 – PS&E TxDOT’s DOCUMENT PREPARATION**

The ENGINEER shall:

- Obtain access to TxDOT Connect
- Prepare various forms, Construction Cost Estimate and Construction Time Determination using information obtained from TxDOT Connect

### **TASK 10 – TDLR INSPECTION SERVICES**

The sub-consultant shall:

- Conduct a TDLR Texas Public Right of Way Standards (Tx.PROW) plan review
- Conduct a TxPOW inspection

## **EXHIBIT “A”**

### **Scope of Work**

TDLR requires a fee to register each project. Upon receipt of the fees, registration form, and plans in pdf, Sub-consultant will register the project, pay the registration fee, review the plans, and submit the plan review report to the owner and the ENGINEER.

The sub-consultant will conduct the inspection when a Request for Inspection form is submitted by the Owner. The inspection will be conducted with a representative of the owner on site and the report will be submitted to the same parties as the plan review. All required forms and reports to TDLR will also be submitted.

#### **SERVICES INCLUDED IN THIS SCOPE:**

- The ENGINEER shall coordinate and schedule meetings with the CITY.
- The ENGINEER will incorporate CITY comments into the PS&E.
- The ENGINEER shall develop PS&E in conformance with TxDOT requirements and Standards, including any appropriate Texas Accessibility Standards (TAS) design considerations.
- The ENGINEER shall use TxDOT specifications.
- The ENGINEER shall coordinate with the utility companies for public ROW utilities.
- The ENGINEER shall prepare Construction Cost Estimate.
- The ENGINEER shall prepare General Notes for construction.
- The ENGINEER shall prepare PS&E in English units on 11” X 17” sheets.

#### **SERVICES NOT INCLUDED IN THIS SCOPE:**

- Traffic Impact Analysis Study Preparation
- Modifications to existing Traffic Impact Analysis Reports
- ROW acquisition services
- Development of standards. TxDOT standards will be used.
- Development of Specifications. TxDOT specifications will be used.
- Submittal of documents to other agencies not specified in scope of services.
- Coordination with regulatory agencies not specified in the scope.
- Perform evaluations and other tasks related to permitting issues for locations or elements of the project.
- Design or detailing of interconnect system or signal progression.
- Utility Coordination for utilities located outside public ROW.
- Construction staking
- Testing Services
- Advertisement and award of construction contract.
- Bid Services (bid tabulation and award recommendation)
- Construction Management (inspections, site visits, review/approval of shop drawings, walk thru, punch list, request for payments and retainage release)
- Traffic Control for geotechnical services.
- Surveying services does not include sub surface investigations.
- Surveying services does not include right-of-way-mapping, parcel plats or acquisition.

## EXHIBIT “B”

### Project Schedule

TASK	MONTHS FROM NOTICE TO PROCEED							
	1	2	3	4	5	6	7	8
Field Topographic Survey	X							
Utility Coordination	X	X	X	X				
Plans, Specifications & Estimates (PS&E)	X	X	X	X				
Environmental Services	X	X	X	X				
Procurement					X	X		
Construction Support Services							X	X

Note: This schedule is subject to change due to its dependency on inclement weather and signal equipment acquisition time.



# EXHIBIT “C”

## Project Location

