



SCOPE OF WORK

The Scope of Work for this Request for Quotation includes all materials, equipment and labor to furnish, fabricate and install all the items for the Intelligent Traffic System (ITS) package for the Roadwork, Approach and Cable Stay Divisions within the Project Limits of the US 181 Harbor Bridge Replacement Project.

The intent is for this scope to be a unit price contract. Bidders shall submit their quantity take-off and corresponding unit prices for evaluation. Ultimately, the selected subcontractor will get compensated for actual work performed per the contractual unit prices. Bidder can utilize the included excel price schedule or submit their own proposal format (QTY's, UOM, unit prices, and cost per line item must be included at a minimum.)

If bidders are excluding any items in the package, please be sure to clearly note that on proposal.

The awarded Bidder shall be responsible for:

- Construction of ITS scope of work as detailed in the included RD10AJ RFC package including all NDC (Notice of Design Change) attachments within that package. All work shall also be in conformance with the project Technical Provisions (particularly Section 17 Intelligent Transportation Systems)
 - o Please note that NDC attachments are noted throughout the package on the applicable sheets as a hyperlinks. These hyperlinks will open the applicable drawing revision. Some of these NDC drawing revisions contain the design sheet that is already in the package and some compliment that design sheet.
 - o If specific detail is not present, the TxDOT standard detail should be used
- Some of the design details in the package may be schematic in nature and will require more detailed shop drawings. This should be consistent with Good Industry Practice.
 - o Note that if shop drawings change the signed/sealed design drawing or TxDOT Standard details, then they will need to be signed/sealed by a Texas PE.
- Please included secondary wireless communication radios as a separate line item.
 - o Note that this scope will most likely be removed and all ITS communication will be via fiber.
- Please also completely include a completely separate all-inclusive bid for the DMS #3 scope as this will be a CO to the Owner, TxDOT.
- Selected bidder must ensure that existing ITS network/devices is maintained by relocating existing conduit, boxes and devices as needed until the proposed system is in place and fully operational.
- Provide conduit, junction boxes, fittings, and hardware as per TXDOT Departmental Material Specification (DMS) 11030 "Conduit" and Item 618 "Conduit" of TxDOT's "Standard Specifications For Construction And Maintenance Of Highways, Streets, And Bridges" latest edition. Provide conduits listed under Item 618 on the MPL under "Roadway Illumination and Electrical Supplies." Provide conduit types according to the descriptive code or as shown on the plans. Do not substitute other types of conduits for those shown.



SCOPE OF WORK

- Provide and install galvanized steel RMC for all exposed conduits, unless otherwise shown on the plans
- Commit to use materials that achieve the requirements of Buy America Act.
- Compile and provide all quality reports, tests and manufacturing documents, including specifically the Form 1818 correlating all steel and iron materials with Mill Test Reports (MTR's) and heat numbers. Failure to provide these documents in a timely matter may cause the non-acceptance of the products, even if installed.
- Permitting and excavation 811 calls
- Disposal of all eradicated materials.
- Furnish all concrete & rebar required to perform this Scope of Work.
- Perform trenching as required.
- Provide optional pricing for Horizontal Directional Boring (HDD) per lineal foot. (This scope of work is not anticipated).
- Perform QC (quality control) to ensure satisfactory work is being performed per the drawings and specifications. Selected bidder will need to ensure work is ready to pass a QA (quality acceptance) inspection
 - o Selected bidder will need to coordinate with FDLLC to call for QA (quality acceptance) to inspect work at given holdpoints – i.e. work that cannot be inspected after the fact (before conduit is backfilled, before concrete placement, etc.)

The General Contractor (FDLLC) shall be responsible for:

- Traffic Control
- Providing access to selected bidder's crews
- Permitting and coordination with UPRR and the Port (if needed)
- Survey layout
- Quality Acceptance (QA)
- Geotechnical engineer to observe drilled shaft foundation operations

Design Documents & Specification to be considered and included with this proposal:

Drawings

- Package 10A: ITS/Electrical – RD10AJ
- Intelligent Transportation Systems (ITS) Schematics
- Package RDEGEN: Illumination Electrical General Drawings (if needed/for reference)

Specifications

- Technical Provisions for US 181 Harbor Bridge Project
 - o In particular, see Section 17

1.0 Schedule

All ITS work must be completed by early 2024. The majority of the scope is available now and can immediately commence. The portion in/on the New Harbor Bridge (cable stayed



SCOPE OF WORK

bridge) won't be able to commence until late 2023.

In order to save on escalation and maintain bid unit rates, selected bidder shall purchase material as soon as practical. If detailed shop drawings are needed, those must commence immediately so that EOR approval can be achieved and corresponding material can be ordered. Please consider a 2 week duration for EOR approval.

2.0 General Requirements

- Services to be provided in the City of Corpus Christi, Texas.
- Subcontractor shall communicate and coordinate all aspects of the work with the Contractor's Authorized Representative.
- Subcontractor shall be responsible for all deliveries to and from the working location defined by the Contractor's Authorized Representative.
- All work practices and job procedures are to conform to the following standards: Occupational Health & Safety Regulations (OSHA), Texas Department of Transportation "Standard Specification for Construction and Maintenance of Highway, Streets, and Bridges", Contractor's health and safety policies.
- Subcontractor shall comply with Contractor's safety plan and procedures and forms at all time.
- Subcontractor to provide Confined Space Training to its workers (as required).
- Subcontractor shall comply with the use of required PPE.
- Subcontractor shall enroll in to the Contractor Controlled Insurance Program (CCIP) prior to commencement of work and/or prior to performing any work onsite.

3.0 Subcontractor's Reports:

- Subcontractor shall submit a monthly narrative progress report detailing: (a) all activities accomplished during the current period and; (b) all activities planned for the next period. Also, Subcontractor shall close its invoicing period by the 20th day of each month and submit the narrative progress report not later than the 22nd day of the month, with a draft proposed invoice that will be used to facilitate the revision and approval process prior to the Contractor submitting its monthly progress report to the Owner for the Owner's approval and payment.

As per Section 11.2.2 (a) of the CDA, the Contractor is required to provide a monthly report of personnel hours. Subcontractor shall submit a man-hours report on a weekly basis that details the number of employees working on the project and the number of hours reported during the period.

4.0 List of Sub-Subcontractors:



SCOPE OF WORK

Subcontractor shall provide a list of all Sub-Subcontractors are going to be providing services under this agreement. Sub-Subcontractors are subject to the approval of the Contractor. List provided below includes all the Sub-Subcontractors that will potentially being providing services. In case a new Sub-Subcontractor is identify during the execution of the services, Subcontractor shall request written approval from Contractor Authorized Representative prior to perform any work.

Sub-Subcontractor	Scope of Work	Contact Info
		Name: Phone: Email:

5.0 Subcontractor's DBE Commitment:

Subcontractor's DBE agreed commitment under this agreement is 9%.

6.0 Deliverables

For the quotation:

- Economical proposal for the scope of work detailed.
- Preliminary Work Plan. (Including labor, equipment, material type and quantities).
- Specifications for proposed materials.
- Schedule and lead time, including the activities to perform the scope of work.