



SCOPE OF WORK

This solicitation covers the fabrication, supply, delivery and installation of black rebar for the roadway bridges for the US 181 Harbor Bridge Project in Corpus Christi, Texas.

1.0 Scope of Work

The scope of work is to fabricate, supply, delivery and install all the rebar needed in footings, columns, bent caps, abutments, approach slabs and decks in the roadway bridges for the US 181 Harbor Bridge Project in Corpus Christi, Texas. This must include cutting them correctly sized according to the drawings, the transportation to the job site and end assemblies.

Subcontractor has to complete the Approval Process of Testing and Inspection for all rebar and miscellaneous items that are not on the TXDOT Approved Materials List.

Quantities are approximate and will be confirmed before the delivery date. Bridge drawings as well as TxDOT standard drawings are attached. All quality dossier to be included, shop drawings, material traceability, nondestructive testing, geometric controls, etc., to be submitted for approval before shipping. All permanent materials to comply with Buy America Act requirements.

Subcontractor's scope of work shall provide all the following items:

- Assist in the unloading of rebar truck deliveries at assigned areas on project. Contractor will provide equipment and operator.
- Supply & assemble rebar for Footings, Columns, Bent Caps, Abutments, Approach Slabs and Drilled Shafts.
- Supply & assemble rebar for Superstructure (Precast segments, CIP Superstructure, Barrier Rail)
- Supply racks to assemble shaft cages.
- Supply & assemble rebar for shaft cages in designated areas.
- Keep all reinforcing steel off ground i.e. out of the dirt and mud only as it relates to dunnage. Subcontractor is not responsible for providing mud mats.
- Assemble C.S.L tubes in designated areas.
- Install C.S.L tubes where needed.
- Place spacers on cages for clearance tolerance and protection. (Dayton Spacers Only)
- Assist in rigging of cages for transportation to drill area.
- Supply hand tools and power tools to perform job tasks.
- Space rebar per engineered construction drawings.
- Know and insure clearances are correct within layouts provided by Contractor.
- Keep Subcontractor's work areas clean and free of debris.
- Trash must be disposed of properly.
- PPE must be worn at all times and follow Contractor safety rules.
- All safety equipment (fall protection equipment i.e. harness and lanyards) must be checked and comply with Contractor standards.
- Rebar placing per CRSI industry standards



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- Shop drawings to be provided if necessary and required for constructability as determined by Subcontractor.
- Supply & assemble rebar for precast rebar if agreed.
- Install slab bolsters and rebar chairs for correct clearances.
- Supply all tie wire to equal to or better than Owner Specifications for black and epoxy rebar.
- Supply all rigging to tie rebar. Any and all rigging required for the placement of tied structures is not within Subcontractors' scope of work.
- Site Cleanup.

Exclusions:

- All safety barriers and railroad flagman will be provided by others.
- Rescue team with boat and warning barriers will be provided by others.
- Cost of dumpster and composite cleanup crew.
- Reinforcing for anchor points (and the anchor points) for Shot-Crete, precast, closure pours, precast connections and pre-stressing items).
- Cost of reworking or replacing reinforcing steel damaged or lost due to flood, actions of Contractor, other subcontractors, or other acts of God.
- The Subcontractor is responsible for their Auto insurance cost for onsite and offsite. Contractor has CCIP coverage for onsite insurance coverage.

2.0 Schedule

Bridges	Estimated start of rebar colocation
Bridge 10	09/15/17
Bridge 16 step 1 (bents 1-5)	10/01/17
Bridge 8	10/15/17
Bridge 17 step 1 (bents 1-5)	11/01/17
Bridge 15 step 1 (bents 1-6)	11/15/17
Bridge 12	11/15/17
Bridge 14 step 1 (bents 14-19)	12/01/17
Bridge 9B	01/01/18
Bridge 9A	01/15/18
Bridge 7	02/01/18
Bridge 15 step 2 (bents 23-17)	05/01/18
Bridge 16 step 2 (bents 5-19)	07/01/18
Bridge 17 steps 2 (bents 5-13)	06/01/18
Bridge 14 step 2 (bents 1-14 and 19-22)	06/15/18
Bridge 4	07/15/18
Bridge 16 step 3 (bents 19-33)	07/15/18
Bridge 18	09/01/18
Bridge 15 step 3 (bents 6-16)	09/15/18
Bridge 11	10/15/18
Bridge 5a	11/01/18
Bridge 5b	12/01/18
Bridge 6	12/01/18
Bridge 3	12/15/18



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3.0 General Requirements

Subcontractor's construction safe work practices, job procedures and etc. 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", Port of Corpus Christi and Contractor's health safety policies and standards.

Subcontractor shall assume toward the Contractor all obligations and responsibilities which the Contractor has assumed toward the Owner under the Contract to the extent such obligations and liabilities relate to the Service Provider's Work. In case of conflict between the terms of this Subcontract and Contract, the Subcontract shall control. The Contract has been and remains available to the Subcontractor for review via web link: <http://www.txdot.gov/business/partnerships/current-cda/harbor-bridge/executed-version.html>

Subcontractor shall communicate and coordinate all aspects of its works 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.

Subcontractor shall comply with Contractor's safety plan and procedures and forms at all time. A formal 4 hour Project Safety Orientation is required for each Subcontractor's employees including all on-site personnel regularly employed by consultants and vendors prior to working on the Project.

Subcontractor shall comply with the use of required PPE.

4.0 Subcontractor's Report

For a progressive execution of the scope of work, Subcontractor shall submit a 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.

If applicable, 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 that details the number of employees working on the project and the number of hours reported during the period.

5.0 List of Subcontractors



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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:
		Name: Phone: Email:

6.0 Subcontractor's DBE Commitment:

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

7.0 Deliverables

For the quotation: quote, shop drawings and quality dossier.

8.0 Project Execution Plan

- 1. Schedule of Work:** to be provided by bidder as part of their proposal. Should include a narrative detailing: procurement plan, key personnel involved, location, etc. (if applicable)
- 2. Delivery Schedule:** to be provided by bidder as part of their proposal. (if applicable)
- 3. Availability of spare parts during the operation period:** to be provided by bidder as part of their proposal. (if applicable)
- 4. Warranty scope:** to be provided by bidder as part of their proposal. (if applicable)
- 5. Freight:** to be provided by bidder as part of their proposal. (if applicable)