SCOPE OF WORK

This solicitation covers the need for the supply and installation of a Waste Water By-Pass System for the US 181 Harbor Bridge Replacement Project in Corpus Christi, Texas.

1.0 Scope of Work

The scope of work is to provide all labor, equipment, materials, supplies, maintenance, testing of piping system, delivery of all equipment, and permits necessary to install a Waste Water By-Pass System from a Manhole in the middle of the Frost Bank Parking Lot (MH15-10) and run approximately one thousand three hundred feet (1,300ft) of By-Pass pipe to an existing, online manhole at Doss Street (MH7-18). Approximately two hundred fifteen linear feet (215lf) of this by-pass line that cross N. Port Ave will be required to be buried underground between four to six feet (4-6 ft.) in depth.

Contractor shall be responsible for the excavation of asphalt and trenching required. Subcontractor shall fuse and test section of pipe required to cross Port Ave. prior to excavation of Port Ave. Contractor will install By-Pass section crossing Port Ave. during night activities. Subcontractor shall anticipate night work for Port Ave. crossing in the event issues arise from fused pipe system. The remaining one thousand eighty-five linear feet (1,085lf) will be installed above ground.

The Engineer of Record has stated that currently MH15-10 (By-Pass Starting Location in Frost Bank Parking Lot) is running at fifty percent (50%) capacity and at a rate of four thousand one hundred fifty gallons per minute (4,150 GPM). Subcontractor shall use this data to appropriately size pumps and piping required for the By-Pass System.

Subcontractor shall provide a proposal for a system with two (2) pumps. One (1) primary pump used for the By-Pass System and a secondary pump to act as an emergency pump in event the main pump fails. Subcontractor is required to have pumps with capabilities to contact competent personnel via phone call or text that pump is shut off or unable to perform. The Subcontractor must be available for on-call service during the entirety of works if the system were to fail. Subcontractor will be required to provide a technician within one (1) hour of service call to address any equipment failure, systems leaks, and/or pump transfers. Subcontractor to perform weekly inspection and service of provided equipment for preventive maintenance, repairs, and/or maintenance of system.

By-Pass System must comply with **City of Corpus Christi Construction Specifications – 0272000 Control of Wastewater Flows**

Ancillary indirect activities include, but are not limited to, coordination with the Project's drainage installation crews or subcontractors, Blanton Environmental (US181 Harbor Bridge Projects Environmental Consulting Agency), the Project's third party utility relocation companies, 811 Utility Locates, and other Project Departments as need by Contractor. All work

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shall be conducted in a professional workman like manner and shall maintain all contractual obligations, specifications and safety requirements.

Subcontractor shall provide all submittals pertaining to their work, including materials, traffic control requests, shop drawings, work reports, work plans, three-week look ahead schedules, work meetings, job site specific safety orientation, and daily job hazard analysis meetings. Subcontractor shall attend all jobsite required safety orientation while working on the project. Prior to beginning the work, the area, discharge method and location of the discharge water must be reviewed and accepted by Blanton Environmental.

A major requirement for the successful bidder will be to schedule and construct work in accordance with the Project's overall detour and traffic control plan. The subcontractor will dedicate a qualified personnel to work with a disciplined field engineer to develop the work plan for all drainage activities and develop a schedule based on the projects traffic control plan. The work plan will consist of the following:

1.) Developing a Plan (estimate review, plan of work, verifying constraints), Plan to be approved by Harbor Bridge Project before mobilization to Project.

2.) Coordinating Resources to Execute Plan identify key operation components, quality control requirements, compliance and environmental requirements, etc.)

3.) Track and Document Execution of Plan (define roles and responsibilities, Define Project Control, schedules, cost/budget analysis, tracking and submission to Aconex Software)

4.) Review of Work and Job End Report.

Quantities and Price Schedule is provided with this Request for Quote (RFQ) package. Quantities are subject to change during the project. It is the successful bidder's responsibility to dedicate a sufficient amount of time to review the design drawings and the quantities.

2.0 Schedule

The commencement of work is scheduled for May 12, 2021

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

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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

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

Subcontractor shall provide a list of all Subcontractors are going to be providing services under this agreement. Subcontractors are subject to the approval of the Contractor. List provided below includes all the Subcontractors that will potentially being providing services. In case a new 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:
		Name: Phone: Email:
		Name: Phone: Email:

6.0 Subcontractor's DBE Commitment:

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

7.0 Project Execution Plan

1. **Schedule of Work and Commitment to develop Work Plan with Field Engineer:** to be provided by bidder as part of their proposal. Should include a narrative detailing: procurement plan, key personnel involved, location, etc.
2. **Delivery Schedule:** to be provided by bidder as part of their proposal.
3. **Availability of spare parts during the operation period:** to be provided by bidder as part of their proposal.
4. **Warranty scope:** to be provided by bidder as part of their proposal.
5. **Freight:** to be provided by bidder as part of their proposal.