

MANDATORY PRE-BID CONFERENCE – AGENDA

**Estero Municipal Improvements District – CIP 405-660 Water Tanks and Facilities Improvements
City of Foster City – CIP 301-690 Seismic Improvements at Lagoon Pump Station**

**Thursday, August 31, 2023 @ 2:00 PM, at Foster City Corporation Yard
100 Lincoln Centre Drive, Foster City, CA**

Minutes added in Red

1. CITY AND ENGINEERING TEAM INTRODUCTIONS

- a. Project Manager- Ryan Marquez, (650) 286-3588 rmarquez@fostercity.org
- b. Project Oversight – Laura Galli, Engineering Manager
- c. Public Works Water Maintenance Superintendent – Gonzalo Larios
- d. Design Consultant – Justin Ford, Consor
- e. Construction Management – Nick Clouser, Consor

2. BIDDING AND CONSTRUCTION SCHEDULE OVERVIEW

- Bid opening date and time: September 26, 2023, at 2:00 PM @ **City Hall (address in Bid Documents)**
- Expected award date: October/November 2023
- Expected commencement date: Award date + 0-60 days (Spec 00 73 01-5)
- Final completion date: 400 calendar days following the commencement of the project

3. PROJECT OVERVIEW

1. **Tank Rehabilitation and Site Improvements: Three 4.0 MG welded steel potable water storage tanks.**
 - Interior Coatings: Full interior waterjet cleaning, and coating spot repairs to repair damage where welding / upgrades will occur or as directed by the Owner for existing corrosion spots (measured by SF basis). All new/modified steel piping inside the tank shall be paint lined and exterior coated per tank interior coatings specifications. (Tanks 1, 2, and 3)
 - Exterior Coatings: Full shell wall waterjet cleaning and coating spot repairs to repair damage where welding / upgrades will occur or as directed by the Owner for existing corrosion spots and two-coat overcoat of the tank exterior walls; Full coating removal and replacement on the tank exterior roofs. (Tanks 1, 2, and 3)
 - Furnish and install center and perimeter vent replacements. (Tanks 1, 2, and 3)
 - Furnish and install new roof access hatches with modifications to and replacement of handrails near the hatches. (Tanks 1, 2, and 3)
 - Furnish and install new active tank mixers. (Tanks 1, 2, and 3)
 - Remove PVC passive mixing pipe on tank floor. (Tanks 1, 2, and 3)
 - Furnish and install new chlorine analyzers including drain piping across the yard. (Tank 1 chlorine analyzer to be installed in the pump station, Tanks 2 and 3 chlorine analyzers to be installed adjacent to each tank)
 - Furnish and install new sampling tap and cabinet and route sample piping into water pump station. (Tank 1)

- Furnish and install welded lifting handles and new gaskets on manways and provide replacement gaskets. Note Detail 1, Sheet M-13 for gasket quantities to be furnished. (Tanks 1, 2, and 3)
- Modify the existing Operator Interface Terminal and the SCADA system to display chlorine residual, height of water, calculated volume of water (in each tank and total of all tanks), calculated water turnover rate, and triggers for high water alarm and closing of automatic fill valve. (Tanks 1, 2, and 3)
- Furnish and install dechlorination units in each outlet/overflow catch basin. (Tanks 1, 2, 3, and 4)
- Furnish and install anode handhole covers with gasket replacement and permanent reference electrode replacement. (Tanks 1, 2, and 3)
- Repair existing cathodic protection system rectifier. (Tank 2)
- Modifications to the existing electrical system as required to install new tank mixers and chlorine analyzers, including electrical conduits from the Water Pump Station to each of the three steel tanks. (Tanks 1, 2, and 3).
 - All programming work will be implemented by the Owner-provided Application Programmer. The Contractor-provided Electrical Contractor and System Integrator will be required to coordinate closely with the Application Programmer .
- Furnish and install partial replacement of overflow pipe. (Tank 1)
- Repair overflow weir box leak and hole in tank walls. (Tanks 2 and 3)
- Furnish and install fire hose connection nozzle with protective bollards. (Tank 3)
- Remove and replace asphalt chime fill. (Tanks 1 and 2)
- Furnish and install new tank drain piping and sumps, and remove/abandon existing drain pipe. (Tanks 1 and 2)
- Furnish and install new tank drain discharge vault. (Tank 2)

2. Water Pump Station Improvements:

- Furnish and install two 20-inch diameter force balanced flexible joints; Pipe supports and flex joints on existing small diameter fuel pipelines; FRP system to strengthen the north wall; Anchors on existing equipment and pumps; Floor grating supports; And bracing at lockers.

3. Lagoon Pump Station Improvements:

- Furnish and install pipe supports and flex joints on existing small diameter fuel pipelines; Bracing of electrical panels and storage shelves; And pre-compressed expansion joint and modification to the existing concrete wall and walkway on the north side of building.

4. Lift Station 43 on Baffin Street Improvements:

- Furnish and install an automatic distribution system flusher.
- Lift Station 43 is located on Baffin Street, east of St. Kitts Lane.

5. BIDDING INFORMATION

- Due Date: Tuesday, September 26, 2023 @ 2pm
- Required Contents of Bid Submittals (As Noted in Section 00 2113, Instruction to Bidders)
 - A. Document 00 4113 (Bid Form).
 - B. Document 00 4313 (Bond Accompanying Bid).
 - C. Document 00 4314 (Bidder Registration Form).
 - D. Document 00 4314 (Subcontractors List).
 - E. Document 00 4519 (Non-Collusion Affidavit).
 - F. Document 00 4546 (Bidder Certifications), with additional information as required.

6. ADDITIONAL ITEMS OF INTEREST

- A. Allowable Work Hours: 7:30 AM to 4:30 PM.
- B. Site Usage and Staging of Materials / Equipment: The Foster City Corporation Yard where the bulk of this Contract will take place is an active Public Works Yard and Fire Department Training Center. The Contractor and their team shall respect the other occupants of the construction area during all phases of the project, and coordinate closely with the Owner and other stakeholders to minimize impacts to the permanent site occupants. Allowable staging areas are shown on Sheet C-1 of the Drawings. The Contractor shall limit their parking/staging/material storage activities to those areas and shall ensure the City has adequate access to all locations in the Yard throughout all phases of construction.
- C. Tank Shutdown Limitations:
- o 5-day minimum notice requirement to Owner per Section 01 10 00, Page 15, Item 1.50
 - o Tank shutdowns shall be minimized to the maximum extent practicable. The tanks shall remain in service until active construction work that warrants the shutdown is set to begin.
 - o Once a tank is taken out of service for work, it is the Owner's expectation that work will proceed continuously until work is complete, approved, and the facilities can be placed back into service.
 - o During the low-demand season (entirety of October through March) all three steel tanks may be out of service simultaneously for work to ensue. During the high-demand season (entirety of April through September) at least one of the three steel tanks shall be in operation.
- D. Building Permit: Building permit required for Lagoon Pump Station work only. Public Works has been working with Building Department and received preliminary approval pending procurement of licensed contractor. **No fee permit.**
- E. Temporary Power during Construction: Contractor shall provide, maintain and pay for electrical power at the Site for construction purposes and for Contractor's and Construction Manager's trailers and any other site offices or trailers required by the Contract Documents to be provided by Contractor. Power may be obtained from Owner, but Contractor shall provide all necessary wiring and appurtenances for connection to Owner's system and coordinate with PG&E to install electricity meters to monitor and pay for Contractor's power usage.
- F. Temporary Water during Construction: Contractor shall provide, maintain, and pay for all suitable quality water service required for construction operations. All water required for and in connection with the Work, including without limitation for dust control, shall be furnished by and at the expense of Contractor. Contractor shall be allowed to utilize water from the Owner for domestic uses. However, Owner does not guarantee availability of this water. Water will not be provided by Owner for dust control or street cleaning. There will be no charge to Contractor for Owner water used for permitted purposes. Contractor shall furnish all necessary pipes, hoses, nozzles, meters, and tools and perform all necessary labor to use Owner's water. Waste of water will not be permitted. Special hydrant wrenches shall be used for opening and closing fire hydrants; in no case shall pipe wrenches be used for this purpose.
- G. Electrical, Instrumentation and Control, and Programming (see Section 26 00 10):
- o Electrical Contractor – Retained by Contractor – Furnish all materials, equipment, and labor to install and test all E/I&C elements of the Project. Oversee System Integrator as their subcontractor, and coordinate with Application Programmer for startup.

- System Integrator – Retained by Contractor – Ensure panels and communication equipment is installed correctly, tested and configured, and operating effectively. Coordinate with Application Programmer for testing and startup. **EDDCO will be City integrator.**
 - Application Programmer – Retained by Owner – Will be a part of the construction management team, but their work is not in the construction contract. Work is limited to programming and configuration, and associated startup and testing services of the PLC, Operator Interface, and SCADA. All other work is by Contractor
- H. Closeout Items: Contractor shall provide Operator Training and O&M Manuals for all applicable components added with the Project.

NOTE – The information provided herein is not contractual, or inclusive of all prospective contractual requirements, and is being provided as a project overview only. Refer to the Bidding, Contract, and Drawing documents for all required project elements.

7. QUESTIONS?

Meeting Minutes will be distributed to attendees of this meeting.

1. How is programming being handled? Programming will be performed by the owner per Spec Section 26 00 10
2. Engineer's estimate? \$4.8M - \$5.2M
3. How will the contractor access for the north walkway Lagoon Pump Station work noted on S2? The structural drawings represent the finished work. Methods, procedures, and sequence of construction are the responsibility of the contractor. The contractor will determine if access above the water will be required to perform the work and, if needed, perform the work in compliance with Cal/OSHA safety requirements and in coordination with the Owner. The water elevation is controlled by tidal action of the bay on this side of the pump station and the contractor shall plan accordingly. The contractor shall also ensure that no debris or materials enter or contaminate the bay during construction.