File #: 24-0602

REQUEST FOR CITY COUNCIL ACTION AND CORONA UTILITY AUTHORITY ACTION

DATE: 08/07/2024

TO: Honorable Mayor and City Council Members
Honorable President and Board Members

FROM: Utilities Department

SUBJECT:
CONTRACT WITH SCHULER CONSTRUCTORS FOR THE DESALTER SURGE ANTICIPATOR CAPITAL IMPROVEMENT PROJECT NO. UT-2023-06

EXECUTIVE SUMMARY:
This staff report asks the City Council to award Notice Inviting Bids 24-080CA to Schuler Constructors for the Desalter Surge Anticipator Improvements Project. The project involves mechanical piping upgrades designed to protect the existing piping against surge pressure at the City's Temescal Desalter Facility.

RECOMMENDED ACTION:
That the City Council:

a. Award Notice of Inviting Bids 24-080CA to Schuler Constructors, the lowest responsive, responsible bidder, for the total bid amount of $544,765 and waive all minor irregularities in the bidding documents as submitted by said bidder for the Desalter Surge Anticipator Capital Improvement Project No. UT2023-06.

b. Adopt the Plans and Specifications for the Desalter Surge Anticipator Project.

c. Authorize an appropriation in the amount of $494,832 from the Water Utility Fund 570 to the Desalter Surge Anticipator Capital Improvement Project No. UT-2023-06.

d. Authorize the City Manager, or his designee, to execute the Contract with Schuler Constructors, in the amount of $544,765 including any purchase orders, non-substantive extensions, change orders, and amendments up to 10% of the contract amount or $54,476.50

as authorized in Corona Municipal Code Section 3.08.060(J).

That the Corona Utility Authority review, ratify, and to the extent necessary, direct the City Council to take the above actions.

BACKGROUND & HISTORY:
The Temescal Desalter facility at 755 Public Safety Way is crucial for treating groundwater in the City of Corona. The facility receives water from multiple well sites, combining it into a 24-inch low-pressure feed pipeline leading to the Desalter building. This pipeline connects to the existing suction header for the reverse osmosis (RO) feed pumps. An existing 10-inch surge anticipator valve (SAV) is in place to manage surge pressure by relieving the high pressure into a nearby storm drain. However, this SAV has not been sufficient, leading to frequent surge pressure problems that compromise the RO feed pump piping.

City staff have documented failures in the piping and joints due to these high-pressure surges. Despite adjustments to the SAV settings, it has not provided adequate protection during power dips or surges. The maximum flow rate into the Desalter facility is around 8,330 gallons per minute (gpm), which is expected to remain unchanged. The City has determined that additional surge mitigation is necessary to address these issues. The proposed project, designed by Dudek Engineering Consultants, will implement a high-pressure relief assembly to provide immediate pressure relief during surge events.

ANALYSIS:
On April 30, 2024, Notice of Inviting Bids (NIB) 24-080CA was solicited following City of Corona Municipal Code (CMC) Section 3.08.110 Non-public projects - formal bidding procedure and purchasing policy through the City's PlanetBids bidding portal. On May 07, 2024, three prime contractors attended a mandatory job walk at the project site. Three bids were received through the PlanetBids bidding service by the bid due date of June 05, 2024, from the following vendors:

Vendor	City	Bid Amount
Schuler Constructors	Riverside	$544,765
R C Foster Corporation	Corona	$654,000
GSE Construction Company, Inc.	Livermore	$679,200

The project scope of work involves the installation of rupture disc assemblies to manage pressure, as well as butterfly valves and actuator assemblies for surge relief discharge assembly, and permeate dump valve assemblies along with civil, mechanical and electrical work.

Item No.	Bid Item	Total Price
1	Mobilization/Demobilization	$43,500
2	Startup, Testing, Disinfection, Cleanup and Commissioning	$19,270

3	Trenching, Backfill, Compaction, & Pavement Restoration	$13,350
4	Structural Concrete Demolition and Repair	$17,995
5	Mechanical Stainless-Steel Pipe, Fittings, and Supports	$136,946
6	Rupture Disc Assemblies	$71,200
7	12" Butterfly Valves and Actuator (MOV) Assemblies for Surge Relief Discharge Assembly	$49,300
8	4" Butterfly Valve and Actuator Assemblies for Permeate Dump Valve Assemblies	$101,704
9	NEMA Electrical Control Panels and Boxes	$57,000
10	Miscellaneous Electrical	$34,500
Total Project Cost		$544,765

An on-call consultant firm will serve as the Project Manager to uphold the contract documents while interacting directly with the Contractor, lead progress meetings, prepare and maintain project reports, oversee the schedule and budget, verify proper procedures, and ensure that turnaround times for document review and approval are followed. The Project Manager will also ensure the overall quality and delivery of the project. To ensure compliance with the plans and specifications, an inspector from one of the City's on-call firms will be on-site on an as-needed basis for an estimated cost of $30,000. The estimated project management cost by on-call consultant firm staff is approximately $30,000. Dudek will provide engineering support during the construction phases of the project.

Summary of Project Costs:

Project Management Support (City Staff)	$30,000
Engineer Support by Dudek	$10,000
Inspection (On-Call Firm)	$30,000
Schuler Constructors Contract	$544,765
10% Change Order Authority	$54,476
Total	**$669,241**

City Staff recommends that the City Council approve the Contract for Schuler Constructors, in the amount of $544,765, as the lowest responsive, responsible bidder for the Desalter Surge

Improvements Project, NIB 24-080CA. City staff has reviewed and verified all licenses and references for Schuler Constructors, and all other required documentation is in order.

FINANCIAL IMPACT:
Approval of the recommended actions will result in an appropriation in the amount of $494,832 from the Water Utility Fund 570 to the Desalter Surge Anticipator Capital Improvement Project No. UT2023-06. There is sufficient working capital for the recommended actions.

Fund	Project No.	Requested Appropriation	FY 2025 Current Balance	Project Balance*
570	UT-2023-06	$494,832	$174,409	$669,241

**Total project balance after request*

ENVIRONMENTAL ANALYSIS:
This action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Action (CEQA), which states that "operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the CEQA determination" and is therefore exempt from CEQA. This action involves repairs to existing infrastructure to maintain public health and safety and therefore is exempt from the requirements of CEQA. Therefore, no environmental analysis is required.

PREPARED BY: AFTAB HUSSAIN, MAINTENANCE MANAGER

REVIEWED BY: TOM MOODY, DIRECTOR OF UTILITIES

Attachments:
1. Exhibit 1 - Plans and Specifications
2. Exhibit 2 - Contract with Schuler Constructors