



OPERATIONS COMMITTEE

Administration Building
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Agenda Report

File #: 2022-2619

Agenda Date: 6/7/2023

Agenda Item No: 2.

FROM: Robert Thompson, General Manager
Originator: Mike Dorman, Director of Engineering

SUBJECT:

INFLUENT PUMP STATION PLANT WATER PIPING REPAIR AT PLANT NO. 2, PROJECT NO. FR2-0029

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Receive and file Bid Tabulation and Recommendation for Influent Pump Station Plant Water Piping Repair at Plant No. 2, Project No. FR2-0029;
- B. Award a Construction Contract to W.A. Rasic Construction Company, Inc. for Influent Pump Station Plant Water Piping Repair at Plant No. 2, Project No. FR2-0029, for a total amount not to exceed \$177,063; and
- C. Approve a contingency of \$35,400 (20%).

BACKGROUND

The Orange County Sanitation District's (OC San) Headworks Bar Screen Facility provides vital preliminary treatment to all incoming wastewater by removing trash and debris that would otherwise damage downstream treatment equipment. Water is supplied from the adjacent Influent Pump Station and used in the sluiceways to remove and transport the debris from the bar screens for disposal. Plant No. 2 Headworks was constructed in 2012 under Project No. P2-66, Headworks at Plant No. 2.

RELEVANT STANDARDS

- Comply with California Public Contract Code Section 20103.8, award construction contract to lowest responsive, responsible bidder
- 24/7/365 treatment plant reliability

PROBLEM

An 8-inch pipeline supplies water to the Influent Pump Station, which then supplies water to the bar screen sluiceways through two 6-inch pipelines. The 8-inch and one of the 6-inch pipelines have failed. The facility is currently relying on a temporary supply line and a 6-inch pipeline.

PROPOSED SOLUTION

Award a construction contract for Influent Pump Station Plant Water Piping Repair at Plant No. 2, Project No. FR2-0029. This project will replace existing, failed underground sections of pipe to provide reliable sluice water to the Bar Screen Facility.

Due to the unknown location of reinforcement steel in the building walls, adjustments to pipe routing may be required to find suitable points of penetration into the building during construction. Because of the relatively small construction value and additional work that may arise if the penetration locations must be changed, staff is requesting a higher than usual contingency of 20%.

TIMING CONCERNS

The remaining 6-inch pipe is at a high risk of failure due to the failure of multiple other pipes in the area over time. A delay in replacing existing sections of pipe would increase the chance of failure of the in-service pipe.

RAMIFICATIONS OF NOT TAKING ACTION

Failure of the single remaining 6-inch water supply to the bar screen sluiceways would impact the ability to clear debris, potentially impacting flow into headworks. An emergency response would be needed to manually remove the debris until temporary pipe repairs are performed.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

OC San advertised Project No. FR2-0029 for bids on February 7, 2023 and six sealed bids were received on March 23, 2023. A summary of the bid opening follows:

| | |
|---------------------------------------|----------------------|
| Engineer's Estimate | \$ 225,000* |
| <u>Bidder</u> | <u>Amount of Bid</u> |
| W.A. Rasic Construction Company, Inc. | \$ 177,063 |
| Innovative Construction Solutions | \$ 188,500 |
| RE Chafee Construction Inc. | \$ 196,800 |
| Vicon Enterprise | \$ 210,000 |
| Arnaz Engineering Contractors, Inc. | \$ 247,500 |
| Mehta Mechanical Company dba MMC Inc. | \$ 344,000 |

**The engineer's estimate correctly calculated the individual costs, but incorrectly summed up the total costs, resulting in a lower published engineer's estimate of \$142,000. The corrected engineer's estimate is \$225,000.*

The bids were evaluated in accordance with OC San's policies and procedures. A notice was sent to all bidders on May 17, 2023 informing them of the intent of OC San staff to recommend award of the Construction Contract to W.A. Rasic Construction Company, Inc.

Staff recommends awarding a Construction Contract to the lowest responsive and responsible bidder, W.A. Rasic Construction Company, Inc., for a total amount not to exceed \$177,063.

CEQA

The project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations Section 15301. A Notice of Exemption will be filed with the OC Clerk-Recorder after OC San Board of Directors approval of the construction contract.

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San's Purchasing Ordinance. This recommendation would be funded under the Repairs and Maintenance line item for Division 880, Plant No. 2 Maintenance (Adopted Budget, Fiscal Years FY 2022-2023 and 2023-2024, Section 6, Page 96), and the available funding is sufficient for this action.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

- Construction Contract

BT:tk