



OPERATIONS COMMITTEE

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Agenda Report

File #: 2023-2771

Agenda Date: 4/5/2023

Agenda Item No: 4.

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

SUBJECT:

OLIVE SUB-TRUNK SIPHON REHABILITATION AT SANTA ANA RIVER, PROJECT NO. FE20-08

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River, Project No. FE20-08;
- B. Award a Construction Contract to Mehta Mechanical Co. Inc. dba MMC Inc. for Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River, Project No. FE20-08, for an amount not to exceed \$1,944,000; and
- C. Approve a contingency of \$194,400 (10%).

BACKGROUND

The Orange County Sanitation District (OC San) owns and operates a sewer siphon at the Santa Ana River on Katella Avenue in the cities of Orange and Anaheim. In recent years, this siphon became clogged with sand and other debris due to corrosion, and these reclaimable flows were diverted to the adjacent Santa Ana River Interceptor (SARI) which consists of non-reclaimable flows. This project will rehabilitate this siphon and restore flows back into the Olive Sub -Trunk Sewer System.

RELEVANT STANDARDS

- Comply with California Public Contract Code Section 20103.8, award construction contract to lowest responsive, responsible bidder
- Achieve less than 2.1 sewer spills per 100 miles
- Operate and maintain facilities to minimize impacts on surrounding communities including odor, noise, and lighting
- Use all practical and effective means for resource recovery

PROBLEM

The existing siphon is corroded with structural deficiencies that prevent putting the line in service and allows sediments and other debris to enter the pipe. The siphon manholes are also deteriorated. The siphon does not have an air jumper, preventing it from functioning properly.

PROPOSED SOLUTION

Award a construction contract for Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River, Project No. FE20-08. The project will rehabilitate 550-feet of 24-inch ductile iron siphon, install a new 16-inch fiberglass reinforced pipe air jumper, replace the upstream manhole, and rehabilitate the downstream manhole.

TIMING CONCERNS

Reclaimable water is being diverted to the non-reclaimable SARI until this siphon is repaired. Delaying the project could result in continued sediment buildup in the siphon, continued corrosion of the iron pipe, and migration of sediments could leave voids in the soil that could lead to further settlement of the pipe.

RAMIFICATIONS OF NOT TAKING ACTION

Not rehabilitating the siphon will prevent OC San from being able to reclaim these flows for the Groundwater Replenishment System. This siphon needs to be rehabilitated in order to restore full functionality of the system.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

OC San advertised Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River, Project No. FE20-08 for bids on November 23, 2022, and three sealed bids were received on February 7, 2023. A summary of the bid opening is as follows:

Engineer's Estimate	\$1,718,000
<u>Bidder</u>	<u>Amount of Bid</u>
Mehta Mechanical Co. Inc. dba MMC Inc.	\$1,944,000
James W. Fowler, Co.	\$2,484,500
Mladen Buntich Construction Company.	\$3,404,444

The bids were evaluated in accordance with OC San's policies and procedures. Staff reviewed the large differences among the bids and determined that this was likely due to risk factors involving this type of work and not as a result in gaps in the contract requirements. A notice was sent to all bidders on March 2, 2023 informing them of the intent of OC San staff to recommend award of the Construction Contract to Mehta Mechanical Co. Inc. dba MMC Inc.

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 authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Adopted Budget, Fiscal Years 2022-2023 and 2023-2024, Section 8, Page 47, Small Construction Projects Program, Project No. M-FE) and the budget is sufficient for the recommended 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

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