

Agenda Report Details (With Text)

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Title: ACTIVATED SLUDGE PLANT CLARIFIER INLET GATE REPLACEMENT AT PLANT NO. 2,
PROJECT NO. MP-638
Sponsors: Kathy Millea
Indexes:
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Attachments: 1. Agenda Report, 2. MP-638 Contract Agreement, 3. File Summary

Date	Ver.	Action By	Action	Result
12/4/2019	1	OPERATIONS COMMITTEE		

FROM: James D. Herberg, General Manager
Originator: Kathy Millea, Director of Engineering

SUBJECT:

**ACTIVATED SLUDGE PLANT CLARIFIER INLET GATE REPLACEMENT AT PLANT NO. 2,
PROJECT NO. MP-638**

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Activated Sludge Plant Clarifier Inlet Gate Replacement at Plant No. 2, Project No. MP-638;
- B. Award a Construction Contract to Innovative Construction Solutions for Activated Sludge Plant Clarifier Inlet Gate Replacement at Plant No. 2, Project No. MP-638, for a total amount not to exceed \$658,300; and
- C. Approve a contingency of \$65,830 (10%).

BACKGROUND

The Activated Sludge Plant at Orange County Sanitation District (Sanitation District) Plant No. 2 has 12 rectangular clarifiers that are a key part of the biological secondary treatment process. Each clarifier has three inlet gates that allow water to enter the clarifier for the final sludge settling process and protect workers from being engulfed during maintenance activities in the clarifier. These gates are subject to wear and corrosion and have been in service for over 40 years.

RELEVANT STANDARDS

- Comply with California Public Contract Code Section 20103.8: Award construction to lowest responsive, responsible bidder
- Maintain a proactive asset management program
- Provide a safe and collegial workplace

PROBLEM

Several gates have become inoperable due to corrosion and deterioration. An inoperable gate prevents a clarifier from being taken out of or put into service. Staff has determined that all 36 gates are corroded to some degree and have reached the end of their useful life.

PROPOSED SOLUTION

Award a construction contract for Activated Sludge Plant Clarifier Inlet Gate Replacement at Plant No. 2, Project No. MP-638, to replace the inlet gates.

TIMING CONCERNS

The inlet gates need to be reliable so that individual clarifiers can be isolated to accommodate upcoming construction work, including Return Activated Sludge Piping Replacement at Plant No. 2, Project No. P2-123, and P2 Secondary Clarifier Repairs, Project No. MP-248.

RAMIFICATIONS OF NOT TAKING ACTION

Gates that are not replaced could fail, preventing the clarifiers from operating at its hydraulic capacity, which could impact wet weather performance.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Staff is also working on P2 Secondary Clarifier Repairs, Project No. MP-248, to replace the clarifier sludge collection mechanisms for six clarifiers. Completing these two projects will allow a much larger capital improvement program rehabilitation project to be postponed.

Bid Evaluation

The Sanitation District advertised Project No. MP-638 for bids on September 4, 2019 and nine sealed bids were received on October 15, 2019. A summary of the bid opening follows:

Engineer's Estimate	\$ 686,000
<u>Bidder</u>	<u>Amount of Bid</u>
Innovative Construction Solutions	\$ 658,300

Tharsos, Inc.	\$ 696,000
J.R. Filanc Construction Co., Inc.	\$ 696,177
Myers & Sons Construction, LLC	\$ 699,995
Environmental Construction, Inc.	\$ 727,560
Mehta Mechanical Company, Inc. dba MMC, Inc.	\$ 764,000
Abhe & Svoboda, Inc.	\$ 774,565
W.M. Lyles Co.	\$ 829,000
Innovative Engineering & Maintenance	\$ 1,385,000

The bids were evaluated in accordance with the Sanitation District's policies and procedures. A notice was sent to all bidders on November 19, 2019 informing them of the intent of Sanitation District staff to recommend award of the Construction Contract to Innovative Construction Solutions.

Staff recommends awarding a Construction Contract to the lowest responsive bidder, Innovative Construction Solutions, for a total amount not to exceed \$658,300.

CEQA

This project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations sections 15301 because the project involves repairs, replacement, and/or minor alteration of the existing facilities involving no expansion of use or capacity. A Notice of Exemption will be filed with the OC Clerk-Recorder after the Sanitation District's Board of Directors approval of the Activated Sludge Plant Clarifier Inlet Gate Replacement at Plant No. 2, Project No. MP-638.

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This recommendation would be funded under the Operations and Maintenance Department budget for Repairs & Maintenance, (FY 2019-20 Budget Update, Page 47). The budget is sufficient for the recommended action.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

- Construction Contract

SS:dm:sa