



Orange County Sanitation District

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Agenda Report Details (With Text)

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Title: WESTMINSTER BOULEVARD FORCE MAIN REPLACEMENT, PROJECT NO. 3-62
Sponsors: Kathy Millea
Indexes:
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Attachments: 1. Agenda Report, 2. 3-62 Contract Agreement Package, 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:

WESTMINSTER BOULEVARD FORCE MAIN REPLACEMENT, PROJECT NO. 3-62

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Westminster Boulevard Force Main Replacement, Project No. 3-62;
- B. Award a Construction Contract to Teichert Energy & Utilities Group, Inc. for Westminster Boulevard Force Main Replacement, Project No. 3-62, for a total amount not to exceed \$27,743,000; and
- C. Approve a contingency of \$2,774,300.

BACKGROUND

The Seal Beach Pump Station currently discharges all flow through a single 42-inch diameter ductile iron force main that is approaching the end of its useful life. A second 30-inch force main exists. This second pipe is made of a material known to fail catastrophically. It was removed from service approximately four years ago. The Orange County Sanitation District (Sanitation District) was compensated for this faulty pipe material by the original manufacturer many years ago.

This project will replace the two force mains with two parallel 36-inch high-density polyethylene pipes. These force mains run from the Seal Beach Pump Station at the intersection of Seal Beach

Boulevard and Westminster Boulevard in the City of Seal Beach, to the intersection of Westminster Boulevard and Rancho Road in the City of Westminster, a distance of approximately 14,000 feet.

RELEVANT STANDARDS

- Achieve less than 2.1 sewer spills per 100 miles
- Comply with California Public Contract Code Section 20103.8, award construction contract to lowest responsive bidder

PROBLEM

The existing unused 30-inch force main is not safe to use due to its poor condition. The 42-inch ductile iron force main is oversized for normal flows, which causes solids to settle and accumulate inside the pipe. That force main has also experienced corrosion and is approaching the end of its useful life.

PROPOSED SOLUTION

Award a Construction Contract for the Westminster Boulevard Force Main Replacement, Project No. 3-62, which will replace the two existing force mains reducing the risks of spills, allowing the force mains to be taken out of service for cleaning and repairs, and reduce the accumulation of solids in the pipe due to low velocities.

TIMING CONCERNS

This project includes seasonal work restrictions to ensure that peak wet weather flows can be accommodated throughout construction. Delaying project award will reduce available durations to perform portions of the work that must be completed in advance of the wet season that begins in October 2021.

RAMIFICATIONS OF NOT TAKING ACTION

Not replacing the force mains will increase maintenance actions and will eventually result in the failure of this critical asset. A force main failure would cause a significant sewer spill and will require significant bypassing to perform the repair.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

The Sanitation District advertised Project No. 3-62 for bids on September 25, 2019 and seven sealed bids were received on November 5, 2019. A summary of the bid opening follows:

Engineer's Estimate	\$ 31,300, 000
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<u>Bidder</u>	<u>Amount of Bid</u>
Teichert Energy & Utilities Group, Inc.	\$ 27,743,000
Griffith Company	\$ 28,289,400
Trautwein Construction, Inc.	\$ 29,262,126
OHL USA, Inc.	\$ 29,291,200
Mladen Buntich Construction Co. Inc.	\$ 33,440,500
GRFCO, Inc.	\$ 34,800,000
W.A. Rasic Construction Company Inc.	\$ 39,125,000

The bids were evaluated in accordance with the Sanitation District's policies and procedures. A notice was sent to all bidders on November 30, 2019 informing them of the intent of the Sanitation District staff to recommend award of the Construction Contract to Teichert Energy & Utilities Group, Inc.

Staff recommends awarding a Construction Contract to the lowest responsive bidder. Teichert Energy & Utilities Group, Inc., for a total amount not to exceed \$27,743,000.

CEQA

The project is exempt from CEQA under the Class 1, 2, 3, and 4 categorical exemptions set forth in California Code of Regulations sections 15301, 15302, 15303, and 15304 because the project involves repairs, replacement, limited construction of new facilities, and minor alteration of 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 construction contract.

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This item has been budgeted. (FY 2019-20 Budget Update, Appendix A, Page A-7) and the budget is sufficient for this 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

JF:dm