



## Agenda Report Details (With Text)

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**Title:** TUSTIN AVENUE MANHOLE AND PIPE REPAIR, PROJECT NO. FE17-06

**Sponsors:** Kathy Millea

**Indexes:**

**Code sections:**

**Attachments:** 1. Agenda Report, 2. FE17-06 Construction Contract, 3. File Summary

Date	Ver.	Action By	Action	Result
10/23/2019	1	BOARD OF DIRECTORS		
10/2/2019	1	OPERATIONS COMMITTEE	Recommended for Approval	

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

**SUBJECT:**

**TUSTIN AVENUE MANHOLE AND PIPE REPAIR, PROJECT NO. FE17-06**

RECOMMENDATION:

- A. Receive and file Bid Tabulation and Recommendation for Tustin Avenue Manhole and Pipe Repair, Project No. FE17-06;
- B. Award a Construction Contract to Nuline Technologies, LLC for Tustin Avenue Manhole and Pipe Repair, Project No. FE17-06, for a total amount not to exceed \$350,000; and
- C. Approve a contingency of \$35,000 (10%).

**BACKGROUND**

The Orange County Sanitation District (Sanitation District) owns and operates a regional sewer in the area of Tustin Avenue and Orangethorpe Avenue in the cities of Anaheim and Placentia. The vitrified clay sewer was originally installed in 1960. The Sanitation District has identified significant cracks in the pipe as well as a manhole defect resulting from an Orange County Transportation Authority (OCTA) sewer relocation project.

**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

## PROBLEM

The Sanitation District sewer in Tustin Avenue south of Orangethorpe Avenue has pipe and manhole defects that need repair.

## PROPOSED SOLUTION

Award a Construction Contract for the Tustin Avenue Manhole and Pipe Repair, Project No. FE17-06, to repair the cracked pipe and replace the improperly abandoned manhole.

## TIMING CONCERNS

Sewer spills are possible due to significant cracked sections of pipe and an obstruction inside the abandoned manhole.

## RAMIFICATIONS OF NOT TAKING ACTION

The possibility of spills in the 24-inch sewer system along Tustin Avenue would remain.

## PRIOR COMMITTEE/BOARD ACTIONS

N/A

## ADDITIONAL INFORMATION

OCTA completed a grade separation project along Tustin Avenue at the border of the cities of Anaheim and Placentia which included a partial relocation of this sewer. The Sanitation District performed a pre-construction inspection of the existing 24-inch sewer pipes affected by, and adjacent to, the OCTA grade separation project. The inspection identified 5 existing significant longitudinal cracks up to 10-feet long in multiple sections of pipe not affected by the OCTA project. After completion of the OCTA project, the Sanitation District performed an inspection of OCTA's work and found that one manhole was abandoned improperly. Subsequently, the Sanitation District accepted a \$70,000 reimbursement from OCTA to repair the manhole. Sanitation District staff developed Contract Documents to repair the cracks and manhole under a single project, Tustin Avenue Manhole and Pipe Repair, Project No. FE17-06.

The Sanitation District advertised Project No. FE17-06 for bids on June 28, 2019 and three sealed bids were received on August 13, 2019. A summary of the bid opening follows:

Engineer's Estimate	\$150,000
<u>Bidder</u>	<u>Amount of Bid</u>
Nuline Technologies, LLC	\$350,000
Charles King Company	\$353,000
Mehta Mechanical Company, Inc.	\$367,000

The bids were evaluated in accordance with the Sanitation District's policies and procedures. An evaluation of the apparent low bidder, Nuline Technologies, LLC, determined the bid to be both responsive and responsible. Based on this, an Award Notice was sent to all the bidders on September 4, 2019 informing them of the intent of Sanitation District staff to recommend award of the construction contract to Nuline Technologies, LLC.

After receipt of the bids and considering the cost differences when compared with the Engineer's estimate, staff reviewed the Engineer's estimate and determined that the contractor's estimates for construction is significantly higher than typical and historical costs. Staff believes that this is due to the additional risks and constraints of the project related to the proximity of the work to railroad and bridge piers. Staff believes that the bids are valid and recommends award as stated above.

### **CEQA**

The project is categorically exempt under Class 1 set forth in California Code of Regulations sections 15301 of CEQA, and statutorily exempt from CEQA under Public Resources Code section 21080.21 and no further CEQA review is required.

### **FINANCIAL CONSIDERATIONS**

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance for the Operations and Maintenance Department (Budget Update, Fiscal Years 2019-20, 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](http://www.ocsd.com)) with the complete agenda package:*

- Construction Contract

RL:dm:gc