



Orange County Sanitation District

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Agenda Report Details (With Text)

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Title: ORANGE-WESTERN SUB-TRUNK AND LOS ALAMITOS TRUNK SEWER REHABILITATION, CONTRACT NOS. 3-64A AND 3-64B

Sponsors: Kathy Millea

Indexes:

Code sections:

Attachments: 1. Agenda Report, 2. 3-64A & 3-64B Contract Agreement and Exhibit A, 3. Presentation - 3-64AB_Construction Award

Date	Ver.	Action By	Action	Result
5/26/2021	1	BOARD OF DIRECTORS		
5/5/2021	1	OPERATIONS COMMITTEE	Recommended for Approval	

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

SUBJECT:

ORANGE-WESTERN SUB-TRUNK AND LOS ALAMITOS TRUNK SEWER REHABILITATION, CONTRACT NOS. 3-64A AND 3-64B

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Receive and file Bid Tabulation and Recommendation for Orange-Western Sub-Trunk and Los Alamitos Trunk Sewer Rehabilitation, Contract Nos. 3-64A and 3-64B;
- B. Award a Construction Contract to Steve P. Rados, Inc. for Orange-Western Sub-Trunk and Los Alamitos Trunk Sewer Rehabilitation, Contract Nos. 3-64A and 3-64B, for a total amount not to exceed \$17,775,000; and
- C. Approve a construction contract contingency of \$1,777,500 (10%).

BACKGROUND

The Orange-Western Sub-Trunk and the Los Alamitos Trunk Sewer consist of two gravity trunk sewers located in city streets and easements within the Cities of Anaheim, Cypress, Buena Park, Los Alamitos, and Seal Beach. The Orange-Western Sub-Trunk was constructed in 1959 and runs along Orange Avenue between Valley View Street and Western Avenue and along Western Avenue

between Orange Avenue and Santa Elena Drive. The Los Alamitos Trunk Sewer was also constructed in 1959 and runs along Katella Avenue, between Lexington Drive and Oak Street, and along Seal Beach Boulevard between Katella Avenue and Old Ranch Parkway, with a segment along Old Ranch Parkway.

RELEVANT STANDARDS

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

PROBLEM

The existing trunk sewers have corrosion and structural deficiencies, calcium blockages, inflow/infiltration, and cleaning access issues. The Orange-Western Sub-Trunk has a significant number of cracked pipes, deteriorated pipe joints, and corroded manholes. The Los Alamitos Trunk Sewer has calcium build up at pipe joints, deteriorated pipe joints, and corroded manholes. The cracked pipes and deteriorated pipe joints reduce available capacity by allowing infiltration of groundwater and inflow during storms. Manhole corrosion, if not addressed, could cause structural failure of the manhole and the surrounding pavement. Calcium buildup at pipe joints is a result of minerals in the intruding groundwater and can prevent proper cleaning of the pipes.

PROPOSED SOLUTION

Award a Construction Contract for the Orange-Western Sub-Trunk and Los Alamitos Trunk Sewer Rehabilitation, Contract Nos. 3-64A and 3-64B. The work will rehabilitate over 8-miles of 21-inch through 39-inch vitrified clay pipe sewer and 115 manholes. This work will reduce the risk of flow blockage, sewage spills, pipeline failure, inflow/infiltration, will improve cleaning and maintenance, and extend the useful life of the assets.

TIMING CONCERNS

This project includes seasonal work restrictions to reduce impacts to schools and the community. Delaying the project award will allow more calcium build up, pipe clogging, and continuing corrosion.

RAMIFICATIONS OF NOT TAKING ACTION

Not rehabilitating the trunk line will increase maintenance needs and will eventually result in the failure of these critical assets. A pipeline failure would result in a major sewage spill, risk to public health and safety, and would require an extensive bypassing system to perform the repair.

PRIOR COMMITTEE/BOARD ACTIONS

November 2020 - Received and filed Bid Tabulation and Recommendation for Orange-Western Sub-Trunk Rehabilitation, Contract No. 3-64A, rejected all bids and approved staff's recommendation to combine Orange-Western Sub-Trunk Rehabilitation, Contract No. 3-64A with Los Alamitos Trunk

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

- Construction Contract
- Presentation

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