



## Agenda Report

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**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 Sewer Rehabilitation, Contract No. 3-64B, and bid together.

## **ADDITIONAL INFORMATION**

The Orange County Sanitation District (OC San) advertised Orange-Western Sub-Trunk Rehabilitation, Contract Nos. 3-64A and 3-64B, for bids on January 5, 2021 and three sealed bids were received on March 16, 2021.

Summary information on the bid opening is as follows:

Engineer's Estimate	\$16,057,900
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<u>Bidder</u>	<u>Amount of Bid</u>
Steve P. Rados, Inc	\$17,775,000
Teichert Energy & Utilities Group, Inc.	\$19,141,725
Spinello Infrastructure West, Inc.	\$22,975,380

The fact that only three bids were received is likely due to two general factors. The first is that much of the work is typically performed by specialty subcontractors, such as cured-in-place pipe lining, and injection grouting where chemicals are injected into the ground to block the flow of groundwater into the pipe. In the case of the chemical injection subcontractors, there are very few firms active locally. In any case, with a large fraction of subcontracted work, the general contractors take on risk with less opportunity to gain a competitive advantage with a more effective approach. The other is that work hour restrictions required to mitigate traffic impacts on heavily traveled streets constrains how a contractor can manage the work and risks. These factors may explain why the low bid was nearly \$2 million more than the engineer's estimate.

The bids were evaluated in accordance with OC San's policies and procedures. After evaluation, Steve P. Rados, Inc., the apparent low bidder, was determined to be both responsive and responsible. A notice was sent to all bidders on March 31, 2021 informing them of the intent of OC San staff to recommend award of the Construction Contract to Steve P. Rados, Inc.

Staff recommends awarding a Construction Contract to the lowest responsive and responsible bidder, Steve P. Rados, Inc., for a total amount not to exceed \$17,775,000.

## **CEQA**

The project is included in the "Rehabilitation of Western Regional Sewers Project No. 3-64" Environmental Impact Report (EIR) State Clearinghouse Number 2015111077. This EIR was certified by the Board of Directors and a Notice of Determination was filed on March 23, 2017.

## **FINANCIAL CONSIDERATIONS**

This request complies with authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Adopted Budget, Fiscal Years 2020-2021 and 2021-22, Section 8, Page 23, Rehabilitation of Western Regional Sewers, Project No. 3-64) 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](http://www.ocsan.gov)) with the complete agenda package:*

- Construction Contract
- Presentation

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