



**DATE:** February 10, 2015

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Shoreline Sewage Lift Station Condition and Risk Assessment and Alternative Trunk Sewer Alignment and Constructability Study, Project 14-32 – Authorize Design Professional Services Contract**

### **RECOMMENDATION**

Authorize the City Manager to execute a civil engineering services contract with Schaaf & Wheeler in a not-to-exceed amount of \$209,000 to prepare a Shoreline Sewage Lift Station Condition and Risk Assessment and Alternative Trunk Sewer Alignment and Constructability Study.

### **BACKGROUND**

The Shoreline Sewage Lift Station, located near the Shoreline Golf Links Pro Shop, was constructed in 1961 as part of a system that included a City-owned sewage treatment plant on Terminal Road. When the City closed its treatment plant and became a partner in the Palo Alto Regional Water Quality Control Plant (PARWQCP), the lift station remained in use. The lift station is necessary because the City's sewage flows to a low point where it cannot continue by gravity to the PARWQCP. The station pumps sewage to a higher elevation where it can continue by gravity. As the station nears the end of its useful life, the recommended study will inform future decisions about maintenance, repair, and replacement of the station.

The study will provide an assessment of the station with recommendations for maintenance and repair by developing an inventory of assets; identifying, ranking, and prioritizing improvements; estimating construction costs; and recommending a schedule for completing improvements.

The study will also determine if there is a practical and cost-effective approach to improving/upgrading the lift station and/or replacing it with gravity sewer mains. The results will inform decisions about if, how, and when to replace the lift station.

## ANALYSIS

In December 2014, a Request for Proposals (RFP) for engineering services was issued to six firms. These firms were selected for their wastewater and pump station expertise. Three firms responded to the City’s RFP.

A review panel of Public Works staff deemed Schaaf & Wheeler to be the best-qualified firm based on the merits of their written proposal, experience in completing similar projects, demonstrated competence, and understanding of the project goals. Schaaf & Wheeler has extensive experience in the design of wastewater infrastructure and assessment of pump stations.

Schaaf & Wheeler’s proposed scope of services and fees for the project is provided in Attachment 1. The not-to-exceed contract amount of \$209,000 includes \$190,000 for basic services, including reimbursables, and a contingency in the amount of \$19,000 for unforeseen items. The recommended fees are within the range typically charged for such services, and staff considers the fees to be fair and reasonable.

The total estimated project cost is as follows:

Engineering Services	\$209,000
City Project Management	<u>22,000</u>
Subtotal	231,000
City Administration of 6.5%	<u>15,000</u>
TOTAL PROJECT COST	<u>\$246,000</u>

With City Council approval of this contract, Schaaf & Wheeler could begin the project in March 2015. The study is scheduled to be completed by October 2015.

## FISCAL IMPACT

The Shoreline Sewage Wastewater Lift Station Condition and Risk Assessment and Alternative Trunk Sewer Alignment and Constructability Study, Project 14-32, is funded with \$250,000 from the Wastewater Fund. Including the proposed contract amount of \$209,000, the estimated total project cost is \$246,000. The project budget is adequate to fund the recommended agreement.

**ALTERNATIVES**

1. Do not approve the recommended contract and direct staff to issue an RFP to a larger number of engineering firms.
2. Do not proceed with the project at this time.
3. Provide other direction.

**PUBLIC NOTICING** – Agenda posting.

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AAB/TS/3/CAM  
943-02-10-15CR-E

Attachment: 1. Schaaf & Wheeler – Scope of Work and Fee Schedule

cc: APWD – Solomon, PCE – Au, USM – Turner, SCE – Muench, AE – Bumanglag,  
AAII – Grimm, f/c (14-32)