



**DATE:** February 14, 2017

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Immediate Repairs to Sewage Pump Station, Project 17-48 – Authorize Professional Services Agreement**

### **RECOMMENDATION**

Authorize the City Manager to execute a professional services agreement with Schaaf & Wheeler Consulting Engineers of Santa Clara to provide civil engineering design services for the Immediate Repairs to Sewage Pump Station, Project 17-48, in a not-to-exceed amount of \$120,000.

### **BACKGROUND**

The City of Mountain View's Sewer Pump Station (SPS) is located in Shoreline at Mountain View near the Shoreline Golf Links Club House and was originally constructed to serve the City's sewage treatment plant. In 1969, the Palo Alto Regional Water Quality Control Plant (PARWQCP) was constructed and the SPS was converted to pump sewage from the old sewer treatment plant to the new PARWQCP. Approximately 85 percent of the City's sewage collects at the SPS and is pumped to the PARWQCP.

In 2014, a Request for Proposals (RFP) for engineering services was issued to firms to evaluate the City's pump station and sewer trunk system. 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, extensive experience in completing wastewater infrastructure projects, demonstrated competence, and understanding of the project goals.

Schaaf & Wheeler conducted a thorough condition and risk assessment of the SPS and found that the SPS is serviceable and well maintained. However, due to age, changing regulations and conditions, a series of immediate, mid-range, and longer-term improvements were recommended.

Immediate-term improvements include updating the SPS to current codes and standards and correcting some operational deficiencies to improve pump station safety. The mid-term improvements include less critical operational improvements and the long-term improvements include a full rehabilitation of the SPS. The estimated construction costs for the three levels of improvements are:

Immediate SPS Improvements	\$1,000,000
Midterm SPS Improvements	\$1,200,000
Long-Term SPS Improvements	\$5,000,000

### **ANALYSIS**

The immediate improvements include replacing corroded pipes and valves, bringing inadequate ventilation up to code, upgrading electrical controls, providing backup controls, and improving safety and fall protection for pump station operators. Other mid- and long-term improvements will be proposed as future capital improvement projects.

Having prepared the condition and risk assessment study for the SPS, Schaaf & Wheeler is familiar with the project and uniquely qualified to prepare plans and specifications for the project. Schaaf & Wheeler also has extensive experience with pump station rehabilitation projects throughout the Bay Area and was selected for the pump station assessment through a competitive process. Staff believes it is in the best interest of the City to award Schaaf & Wheeler the design services contract to address the immediate repairs rather than conducting a competitive process with multiple firms.

On December 16, 2016, Schaaf & Wheeler submitted a proposal for engineering design services to correct these deficiencies. The recommended not-to-exceed contract amount of \$120,000 includes \$99,975 for design services with a contingency of \$20,025 for additional services if required. The recommended fees are within the range typically charged for such services, and staff considers the fees to be fair and reasonable. See Attachment 1 for the Schaaf & Wheeler proposal.

### **FISCAL IMPACT**

Immediate Repairs to Sewage Pump Station, Project 17-48, is funded with \$1,000,000 from the Wastewater Capacity fees in the Wastewater Fund. The project budget is adequate to fund the recommended agreement.

Upon approval of this agreement, design work could start in March 2017 and be completed by summer 2017.

**ALTERNATIVES**

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

**PUBLIC NOTICING** – Agenda posting.

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911-02-14-17CR-E

Attachment: 1. Schaaf & Wheeler – Design Services Proposal and Fee Schedule

cc: APWD – Solomon, PCE – Au, USM, SCE – Muench, AAIL – Doan, F/c