



DATE: June 10, 2014

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Interceptor Sewer Trunk Main Manhole Construction, Project 14-33 – Amend Professional Services Agreement**

RECOMMENDATION

Authorize the City Manager to amend the professional services agreement with BKF Engineers of Redwood City for Interceptor Sewer Trunk Main Manhole Construction, Project 14-33, in the amount of \$61,800 for a total not-to-exceed amount of \$120,600 to provide design services.

BACKGROUND

The interceptor sewer trunk main is a 42" diameter reinforced concrete pipe constructed in 1969 to transport sewage from the Shoreline Sewage Pump Station to the Palo Alto Regional Water Quality Control Plant (PARWQCP). This trunk main is the City's only means to transport sewage to the treatment plant and is carrying an average flow of 10 million gallons per day. The trunk line includes a 2,100' section that lies under Shoreline Golf Links with no manholes to allow access to the pipe for maintenance or inspection. The most recent video inspection revealed areas of pipe deterioration and debris accumulation on the first and last 700' of this 2,100' pipe section. The City has no known video inspection record for the middle 700' because the middle section is inaccessible without the manholes. Construction of additional manholes is the first step in assessing and rehabilitating the trunk main as it approaches the end of its useful service life.

ANALYSIS

After a competitive process to select a designer, in November 2013 the City executed an agreement with BKF Engineers in the amount of \$58,800 to begin design of four new manholes, including surveying, potholing to locate the pipe, geotechnical drilling to locate refuse and groundwater, and selecting the most appropriate construction method. Defining these conditions was necessary to develop the full scope of design work.

The recommended amendment will allow the project to move into the next phase in developing the construction documents. BKF Engineers' proposed scope of services and fees for the project is provided in Attachment 2 and includes \$46,800 in additional services. Staff also recommends a \$15,000 contingency for additional services based on unforeseen conditions. This \$61,800 increase would bring total contract funding to \$120,600. The recommended fees are within the range typically charged for such services and staff considers the fees to be fair and reasonable. With the approval of this amendment, BKF Engineers will complete the design in August and construction is planned to begin in November 2014.

FISCAL IMPACT

Interceptor Sewer Trunk Main Manhole Construction, Project 14-33, is funded with \$250,000 from the Wastewater fund. Staff has recommended additional funding in the amount of \$280,000 as part of the 2014-15 Capital Improvement Program, bringing total funding to \$530,000 from the Wastewater Fund. The existing project funding is sufficient to fund the recommended amendment.

ALTERNATIVES

1. Select a different firm to complete the design.
2. Stop work on the project.

PUBLIC NOTICING – Agenda posting.

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Approved by:

Michael A. Fuller
Public Works Director

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City Manager

AC/9/CAM/913-06-10-14CR-E

Attachments: 1. Site Map
2. Design Services Proposal

cc: APWD – Solomon, PCE – Au, USM, SCE – Muench, WS – Mulhearn, AAI – Grimm, F/c