



**DATE:** December 10, 2019

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Interceptor Force Trunk Main Rehabilitation, Project 20-42 – Authorize Professional Services Agreement**

### **RECOMMENDATION**

Authorize the City Manager to execute a professional services agreement with BKF Engineers, Redwood City office, to provide engineering services for the Interceptor Force Trunk Main Rehabilitation, Project 20-42, in a not-to-exceed amount of \$233,000.

### **BACKGROUND**

The 42" sewer trunk main is the City's major sewer discharge line to the Palo Alto Regional Water Quality Control Plant (PARWQCP) and serves as a critical link in the City's sewer collection system. In December 2014, during routine inspection, staff discovered that the sewer main leaving the sewer pump station had severely deteriorated. Emergency repairs were made to approximately 50' of the sewer main immediately downstream of the pump station.

In September 2015, the condition of the entire sewer main leaving the sewer pump station was assessed. The results of this assessment show that 600' of the sewer main interior, downstream of the flanged outlet manhole, is severely degraded, characterized by exposed and corroding reinforcing steel.

This project will address the degradation of the sewer main and prevent pipe failure. The project scope includes alternative analysis and design to rehabilitate 600' of the 42" sewer main, a temporary sewer bypass, the replacement of an existing flanged outlet manhole, and a new downstream manhole. An Initial Study will be prepared to meet the requirements of the California Environmental Quality Act (CEQA), and access disruptions will be closely coordinated with the Shoreline Golf Links and Michaels at Shoreline Restaurant.

## **ANALYSIS**

In September 2019, the City issued a Request for Proposals (RFP), and four proposals were received. A review panel comprised of City staff evaluated and ranked the proposals. Staff deemed BKF Engineers to be the most qualified on the basis of their written proposal, oral interview, experience in completing similar projects, and understanding of the project goals.

The scope of work includes: reviewing relevant background information; surveying; utility locating; obtaining permits from appropriate agencies; preparing plans, specifications, and cost estimates; providing bid and construction support; and preparing record drawings.

The recommended not-to-exceed contract amount of \$233,000 includes \$211,080 for basic services and reimbursable expenses and \$21,920 for project contingency for unforeseen items. The recommended fees are within the range typically charged for such services, and staff considers this fee to be fair and reasonable for the scope of work required. If the recommended action is approved, design will begin in January 2020 and is expected to be complete in the first quarter of 2021.

## **FISCAL IMPACT**

Interceptor Force Trunk Main Rehabilitation, Project 20-42, is funded with \$222,000 from the Sewer – Development Impact Fees Fund and \$1,618,000 from the Wastewater LOAN Fund, for a total funding of \$1,840,000. The project budget is adequate to fund the recommended action.

## **ALTERNATIVES**

1. Award the contract to a different designer.
2. Provide other direction.

**PUBLIC NOTICING** – Agenda posting.

Prepared by:

Ariel Morales  
Senior Civil Engineer

Reviewed by:

Edward Arango  
Principal Civil Engineer

Dawn S. Cameron  
Public Works Director

AM/CL/6/CAM  
900-12-10-19CR  
190678

Approved by:

Michael A. Fuller  
Assistant City Manager

Audrey Seymour Ramberg  
Assistant City Manager/  
Chief Operating Officer

cc: APWD – Hosfeldt, USM, SCE – Morales, PCE – Arango, File (20-42)