



DATE: May 5, 2020

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Water and Sanitary Sewer Main Replacement Crossing U.S. 101, Project 16-61 – Amend the Project Budget and Professional Design Services Contract**

RECOMMENDATION

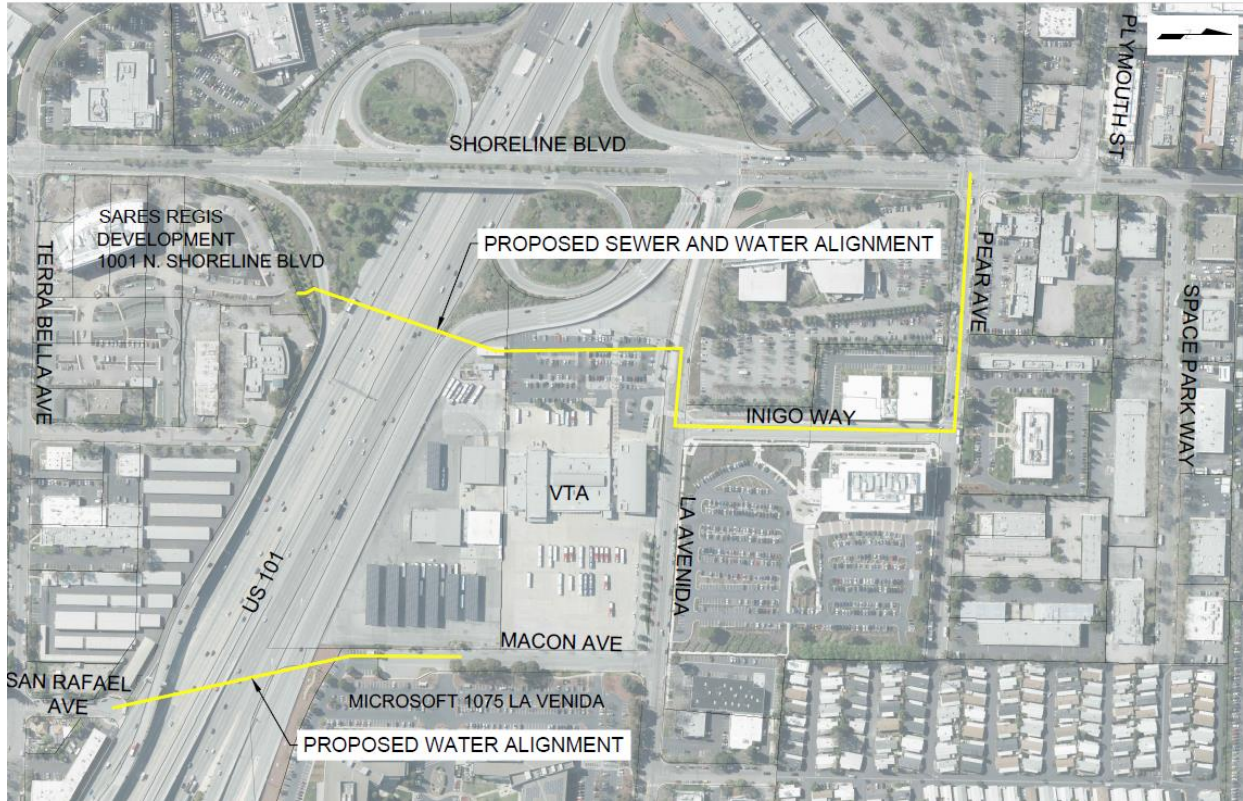
1. Appropriate and transfer \$140,000 from the Wastewater Loan proceeds to Water and Sanitary Sewer Main Replacement Crossing U.S. 101, Project 16-61. (Five votes required)
2. Authorize the City Manager to amend the professional design services agreement with AECOM Technical Services, Inc., for the Water and Sanitary Sewer Main Replacement Crossing U.S. 101, Project 16-61, increasing compensation by \$117,000, for a total contract amount of \$811,080, and extending the term of the contract to January 31, 2023.

BACKGROUND

An Alignment and Constructability Study was completed in March 2016 for the replacement of the following three critical and aging utility crossings at U.S. 101 and State Route (SR) 85: Shoreline Boulevard at U.S. 101; SR 85 between Stevens Creek and San Leandro Avenue; and Rengstorff Avenue at U.S. 101. The water and sewer mains at these crossings are all nearing the end of their useful lives and are located under freeways with accessibility and reliability problems.

In April 2018, the City executed a design services contract with AECOM Technical Services, Inc. (AECOM) to perform design work for the Shoreline Boulevard water and sewer main crossings and a new water main crossing U.S. 101 from San Rafael Avenue to Macon Avenue through the Microsoft campus located at 1075 La Avenida (see Figure 1). In October 2019, the City executed Amendment No. 1 with AECOM to extend the term of the Agreement to June 30, 2020.

Figure 1: Location Map



In November 2019, the City Council approved bidding the San Rafael Avenue to Macon Avenue crossing ahead of the Shoreline Boulevard crossings to allow the Macon Avenue water main work to be constructed prior to completion of Microsoft’s buildings and site work at 1075 La Avenida. In March 2020, the City executed a construction contract for the Macon Avenue water main crossing with Cratus, Incorporated. Staff is currently coordinating with the contractor to perform administrative work, such as preparation and review of material submittals, to prepare the project for physical construction work. The timing of construction will be contingent upon compliance with the COVID-19 shelter-in-place orders. Completion of Microsoft’s building project is also delayed due to the shelter-in-place order, and it is anticipated that the water main project can still be completed prior to occupancy of the Microsoft buildings.

The design work for the Shoreline Boulevard water and sewer main crossings is currently under way and expected to be completed by December 2020.

ANALYSIS

Additional funding is needed for AECOM to complete the design of the Shoreline Boulevard water and sewer main crossings due to the following reasons:

- Additional effort to prepare separate bid documents for the Shoreline Boulevard crossing and the Macon Avenue crossing instead of a single bid document as originally planned;
- Expanded efforts related to coordination with the Santa Clara Valley Transportation Authority (VTA) regarding the utility alignments through VTA's bus yard property and for acquisition of right-of-way and temporary construction easements from VTA; and
- Extended timeline to complete design.

The estimated additional fee for the design services is \$102,000. Staff also recommends increasing the contingency funds by \$15,000 for a total requested contract amendment amount of \$117,000.

Additional funding is also needed for staff time and City administration, bringing the project shortfall to \$140,000. The estimated project design cost is as follows:

Professional Design Services Contract	694,080
Recommended Contract Amendment	117,000
Project Management	67,520
Printing and Other Miscellaneous	<u>4,000</u>
Subtotal	\$882,600
City Administration @ 6.5%	<u>57,400</u>
TOTAL ESTIMATED PROJECT DESIGN COST	\$940,000
PROJECT BUDGET	\$800,000
PROJECT SHORTFALL	<u>\$140,000</u>

The AECOM agreement includes services to support the City during construction. Due to the current shelter-in-place orders and uncertainties in the timing of construction, staff is recommending to extend the term of the AECOM agreement to January 31, 2023.

FISCAL IMPACT

The Water and Sanitary Sewer Main Replacement Crossing U.S. 101, Project 16-61, is funded with \$600,000 and \$200,000 from the Water and Wastewater Capacity fees, respectively. This project was approved by City Council to be financed with the Wastewater Loan on October 23, 2018. The recommended actions would transfer \$140,000 from the Wastewater Loan to provide a total funding of \$940,000. There are sufficient funds in the Wastewater Loan for the requested transfer.

ALTERNATIVES

1. Do not authorize the appropriation or contract amendment and defer design completion.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting.

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