



DATE: June 30, 2020

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Annual Water and Sewer Main Replacements, Projects 17-21 and 17-22 – Amend Professional Design Services Agreement**

RECOMMENDATION

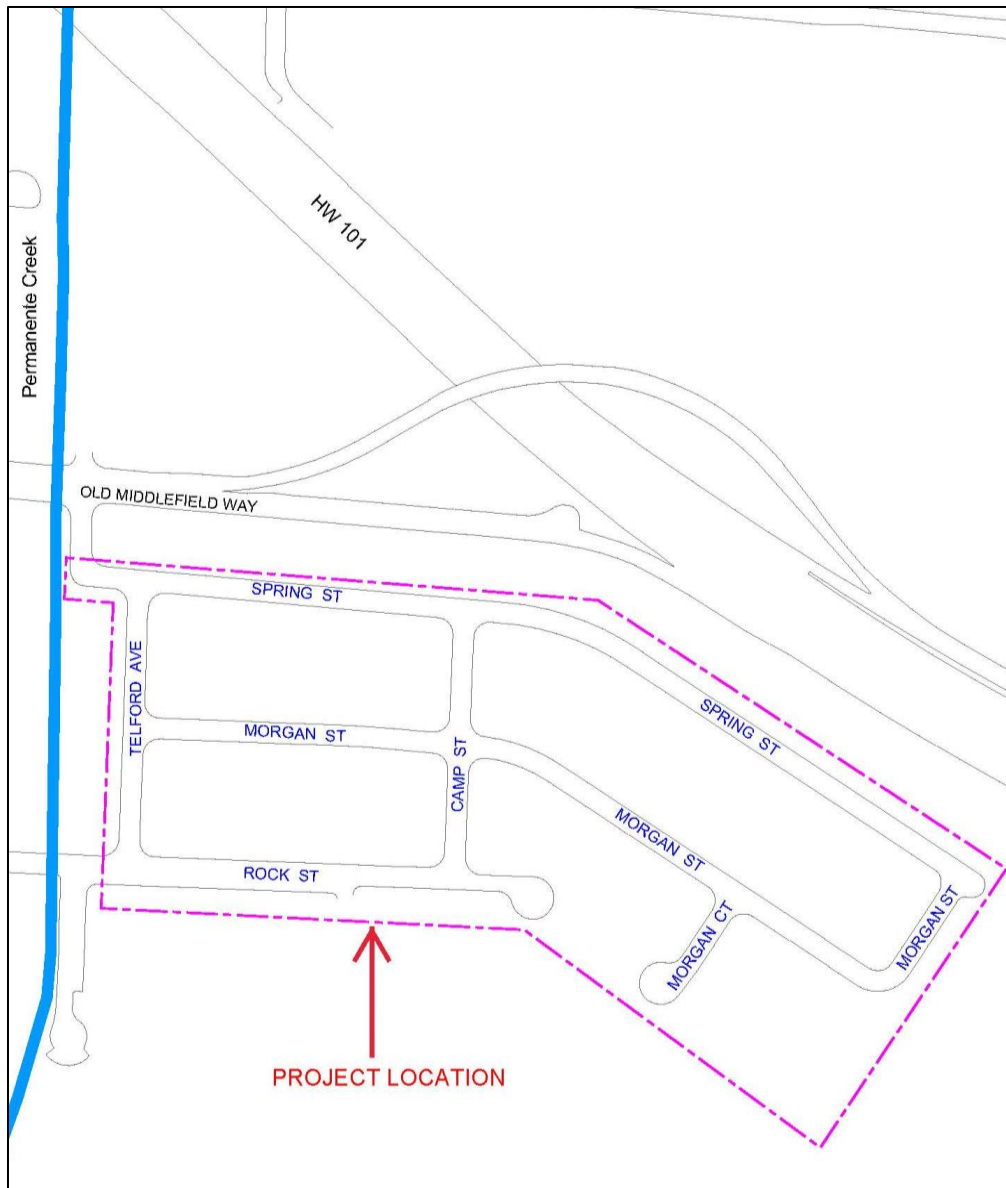
Authorize the City Manager to amend the professional design services agreement with Mott MacDonald for Annual Water and Sewer Main Replacements, Projects 17-21 and 17-22, modifying the project scope and increasing compensation by \$57,910 for a total contract amount of \$445,610.

BACKGROUND

The City has annual programs for the City's water and wastewater systems to replace aging or undersized pipelines in order to ensure reliable services are maintained. Over the past few years, the two replacement programs have been planned for the same time and locations to minimize construction impacts to the community and take advantage of economies of scale. At times, this involved replacing utility lines nearing the end of their useful life but with service life remaining.

In June 2018, the City executed a design services agreement with Mott MacDonald for design work for Annual Water and Sewer Main Replacements, Projects 17-21 and 17-22. The project area is on Spring Street, Morgan Street, Morgan Court, Camp Avenue, Telford Avenue, and Rock Street (see Figure 1). In June 2019, the City executed Amendment No. 1 with Mott MacDonald to extend the term of the agreement to June 30, 2021.

Figure 1 – Location Map



ANALYSIS

In past practice, the annual water and sewer replacement projects have been combined for design and construction to occur at the same time and along the same streets. Projects are implemented by working off the priority replacement list needs of either water or sewer projects. This current group of replacement pipeline locations for Projects 17-21 and 17-22 are based on the priority of the water system needs, where there has been a significant number of water main breaks.

Although the existing sewer mains in the same area are aging, maintenance history indicates they are still in good condition with years of service life remaining. If this sewer main replacement project proceeds into construction as planned, approximately \$4.1 million will be required, which will deplete three fiscal years of annual sewer funding (from Fiscal Years 2017-18 to 2019-20). There are other locations in the City that are a higher priority for sewer main replacements.

Due to the increasing costs to operate, maintain, and implement capital improvements for the City's sewer system and the limited funding available for the annual sewer main replacements, staff recommends proceeding only with Annual Water Main Replacement, Project 17-21, at this time. This will allow staff to reprioritize the annual sewer main replacements for more effective use of the funds.

Continuing with the replacement of only water mains in this area will require modifications to the contract documents to eliminate the sewer replacement work. This requires additional redesign efforts by Mott MacDonald and an increase in their scope of work. The additional cost for the modifications is \$47,910. Staff also recommends increasing the contingency funds by \$10,000 for a total requested amendment amount of \$57,910.

With approval of staff's recommendation, Mott MacDonald would revise and complete project construction documents by September 2020. Upon completion of project design, staff will return to the City Council for approval of the plans and specifications by October 2020. Staff will also identify and prepare to design the next priority sewer main replacement to be funded from the nondiscretionary Annual Miscellaneous Storm/Sanitary Sewer Main Replacement program and bring forward construction documents for Council approval in fall 2021.

FISCAL IMPACT

Miscellaneous Water Main Replacement, Project 17-21, is funded with \$2,324,000 from the Water and Water Capacity Fee Funds. The estimated project design service cost to complete design for the Water Main Replacement in the project location is as follows:

Original Professional Design Services Agreement, Including Additional Services	\$ 387,700
Proposed Amendment and Additional Services	<u>57,910</u>
Total Estimated Design Fee	<u>\$445,610</u>

The project has sufficient funding for the recommended design services amendment to add \$57,910. With the amendment, the contract with Mott MacDonald will have a not-to-exceed total contract amount of \$445,610, which includes a \$45,271 contingency.

ALTERNATIVES

1. Do not approve the additional funding for design services and proceed with combining the design and construction of the water and sewer main replacements for the project location as previously planned.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting.

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