



DATE: January 28, 2020

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the City Manager to Execute a Professional Services Agreement with RSC Engineering, Inc., for the design of the Willimet Way & I-880 Sanitary Sewer Main Installation Project, in an Amount Not-to-Exceed \$154,300

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute a Professional Services Agreement (PSA) with RSC Engineering, Inc., for engineering services related to the design of the Willimet Way & I-880 Sanitary Sewer Main Installation Project, in an amount not to exceed \$154,300.

SUMMARY

The Public Works Department replaces the City's undersized or structurally damaged sewer mains through capital improvement projects. These projects reduce the risk of potential sanitary sewer overflows which can cause untreated wastewater to flow into public waterways. The FY 2020 Capital Improvement Program includes the Willimet Way & I-880 Sanitary Sewer Main Installation Project, which would install approximately 160 linear feet of 12-inch sanitary sewer main at a new location to increase pipeline capacity and replace a damaged sewer main between Willimet Way and the Highway 92W/Interstate 880N on-ramp. The new sanitary sewer main would be installed using a trenchless technology to minimize construction impacts. Staff recommends executing an agreement with RSC Engineering, Inc. (RSC Engineering) for engineering services related to the design of the Willimet Way & I-880 Sanitary Sewer Main Installation Project, in an amount not to exceed \$154,300.

BACKGROUND

The existing sanitary sewer main located between two residential properties from Willimet Way to the Highway 92W/Interstate 880N on-ramp was selected for improvement based on staff analysis of the video inspection results. The existing sewer main is approximately 16 feet deep on the residential side and 8 feet deep within the Caltrans' right-of-way. The video recording indicates an offset at a pipe joint causing a significant reduction in the pipeline's

design capacity and a risk of sewer overflow on Willimet Way. In addition, the existing defective 8-inch sanitary sewer main goes through a stormwater inlet, which puts the stormwater system at risk of contamination. Due to the location of the offset and a casing around the sewer pipe in Caltrans' right-of-way, repair on the existing sewer main is not recommended. Therefore, a new sanitary sewer main is proposed to be installed at a new location between two residential properties. The new pipeline would be installed using trenchless technology to minimize construction impacts. Staff has contacted the property owners and they have agreed to dedicate a sanitary sewer line easement to the City. Staff will continue to work with the property owners to finalize the easement dedication.

DISCUSSION

On December 10, 2019, the City issued a request for proposals for the design of the Willimet Way & I-880 Sanitary Sewer Main Installation Project. The scope of work addresses the tasks necessary to complete final design documents for construction of the project and provide engineering services during construction. Specifically, these services include surveying, geotechnical engineering services, coordination with Caltrans, and providing bid phase services and design services during construction.

The City received five (5) proposals from Woodard & Curran, Carollo Engineers, Kier & Wright, RSC Engineering, and Ruth and Going, Inc. The proposals were evaluated and ranked by a team of staff members based on qualifications, experience, work plan, and the reasonableness of the labor hours and rates. Based on an objective evaluation, staff recommends RSC Engineering.

RSC Engineering proposed a knowledgeable and experienced project team with demonstrated experience working on other sewer installation projects that utilized trenchless technology. Their estimated fee was in the middle of the range of cost proposals submitted by the five firms. RSC Engineering has committed to meeting the City's timeline of completing the design by late spring, which includes sufficient time for staff review. The number of labor hours and hourly rates are reasonable for the scope of work.

Given the scope of work, staff has negotiated a not-to-exceed amount of \$139,300 for the basic engineering design services and \$15,000 for additional services that the City may authorize, for a total not-to-exceed contract amount of \$154,300. The additional services budget is needed to address potential changes in the project design that may be needed based on actual field conditions, such as determining the exact foundation type and depth of the existing Caltrans sound wall, and other issues that will need to be coordinated with Caltrans. Staff believes that the final negotiated not-to-exceed cost of \$154,300 is reasonable for the scope of services negotiated.

ECONOMIC IMPACT

There are no economic impacts to Hayward residents or businesses.

FISCAL IMPACT

The current Ten-Year Capital Improvement Program includes \$500,000 for the Willimet Way & I-880 Sanitary Sewer Main Installation Project, Project No. 07717. The maximum cost for the engineering services provided under the proposed PSA is \$154,300. There would be no impact on the City's General Fund.

STRATEGIC INITIATIVES

This agenda item is a routine operational and maintenance item and does not directly relate to one of the Council's Strategic Initiatives.

SUSTAINABILITY FEATURES

The repair and replacement of deteriorating sewer lines reduces the risk of sewer overflows, which can cause untreated wastewater to flow into public waterways.

Where appropriate, the use of trenchless technology to install sewer main reduces the amount of equipment used and disturbance to the ground, which reduces air emissions and particulates, as compared to the open-cut method.

PUBLIC CONTACT

This project is statutorily exempt from environmental review under the California Environmental Quality Act (CEQA) Section 15282(k), which allows for the installation of new pipeline or maintenance, repair, restoration, removal, or demolition of an existing subsurface pipeline, provided the project does not exceed one mile in length.

Staff has been in contact with the two property owners on Willimet Way that would be directly affected by the project. During construction, notices will be provided to other affected residents and property owners to inform them of the nature and purpose of the work, potential impacts, work schedule and City contact for additional information.

NEXT STEPS

The estimated schedule for this project is summarized as follows:

Notice to Proceed for Design	February 2020
Complete Design	May 2020
Advertise for Construction	mid-May 2020
Complete Construction	October 2020

Prepared by: Saeed Saebi, Associate Civil Engineer

Recommended by: Alex Ameri, Director of Public Works

Approved by:

A handwritten signature in black ink, appearing to read 'K. McAdoo', written in a cursive style.

Kelly McAdoo, City Manager