



DATE: December 2, 2014

CATEGORY: Consent

DEPT.: Public Works

TITLE: **2012-13 Water and Sewer Main Replacement, Projects 13-21 and 13-22 – Amend Design Professional Services Agreement and Amend Project Budget**

RECOMMENDATION

1. Authorize the City Manager to amend the professional services agreement with NV5 for the 2012-13 Water and Sewer Main Replacement, Projects 13-21 and 13-22, increasing compensation by \$36,000, for a total not-to-exceed amount of \$256,000.
2. Amend the construction contract with K.J. Woods Construction, Inc., to add \$200,000 to the construction contingency for a total contract amount of \$2,588,000.

BACKGROUND

On September 23, 2013, the City Council approved a design services contract with NV5 Engineers of San Jose to prepare plans and specifications for the 2012-13 Miscellaneous Water and Sewer Main Replacement, Projects 13-21 and 13-22, for a total not-to-exceed amount of \$220,000. Projects 13-21 and 13-22 are annual infrastructure maintenance projects that will replace substandard or end-of-service-life water mains, sewer mains, and service laterals. The mains are selected for replacement based on age of the pipe, failure history, and/or capacity considerations.

The scope of the project includes replacement of approximately 6,300' of water mains and 5,700' of sewer mains in Villa Street, Todd Street, Ernestine Lane, Lee Drive, Jefferson Drive, Cornell Drive, Duke Way, Blossom Lane, Dennis Lane, Ronden Court, Sladky Avenue, and Dana Street.

On September 23, 2014, the City Council approved the plans and specifications and on November 5, 2014, six bids were received. The low bid of \$2,388,000 was from K.J. Woods Construction, Inc. (K.J. Woods), of San Francisco and is below the Engineer's Estimate of \$2,983,000. As the bid was within the project budget, contract execution is under way to award the construction project to K.J. Woods.

ANALYSIS

A private development project on 1740 and 1854 West El Camino Real (Tropicana) is proceeding near the intersection with Escuela Avenue, and staff would like to replace the undersized sewer main located under the sidewalk along the project frontage while the area is under construction. The proposed scope of work includes replacing 800' of 6" sewer main with an 8" main. To complete the work while the area is still under construction, staff recommends including the work in Projects 13-21 and 13-22. The recommended actions would amend the designer's budget to prepare plans and specifications for the additional work, and add funds to the construction contingency from the project budget to fund the construction as part of K.J. Woods' work.

The estimated fee for the design scope of work with NV5 Engineers is \$21,000 (see Attachment 1). Due to previous additions to the scope of the project, the current NV5 contract has no remaining contingency. Staff would also like to replenish contingency funds in the contract to handle unforeseen conditions that may arise during construction or for assistance in preparing design drawings for emergency work. As such, staff recommends adding an additional \$15,000 in the NV5 contract as contingency. The total requested amendment amount to the NV5 Engineers contract is \$36,000, for a total contract not-to-exceed amount of \$256,000.

Based on K.J. Woods' bid, staff has estimated that the construction cost for the additional 800' of sewer main construction on El Camino Real, including permits, is \$200,000, and staff recommends that the K.J. Woods contract be increased by that amount.

There is sufficient funding in the project budget for both actions, so an additional appropriation is not required.

FISCAL IMPACT

The 2012-13 Miscellaneous Water Main and Service Main Replacement, Project 13-21, and the 2012-13 Miscellaneous Storm and Sanitary Sewer Main Replacement, Project 13-22, are funded with \$1,892,000 from the Water Fund and \$1,740,000 from the Wastewater Fund, respectively. The project budget is adequate to fund the recommendations.

The revised project costs are as follows:

Construction	\$2,113,000
Construction Contingency	475,000
Engineering Design Services	326,000
City Project Management	26,000
City Construction Management and Inspection	115,000
Printing and Other Miscellaneous	<u>10,000</u>
Subtotal	3,065,000
City Administration @ 6.5%	<u>200,000</u>
TOTAL PROJECT COST	<u>\$3,265,000</u>

Available funding is:

CIP 13-21	\$1,892,000
CIP 13-22	<u>1,740,000</u>
TOTAL AVAILABLE	<u>\$3,632,000</u>

ALTERNATIVES

1. Defer the design and construction of the 800' sewer main along El Camino Real at Escuela Avenue.
2. Provide other direction to staff.

PUBLIC NOTICING – Agenda posting.

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City Manager

LA/7/CAM
911-12-02-14CR-E

Attachment: 1. NV5 – Proposal for Additional Work 2012-13 Miscellaneous Water and Sanitary Sewer Main Replacement

cc: APWD – Solomon, USM, PCE – Au, WS – Mulhearn, SCE – Muench, AAI – Grimm, F/c (13-21 and 13-22)