



DATE: June 23, 2015

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Amend Design Professional Services Agreement with NV5 and Amend Project Budget for Annual Sewer Main Replacement, Project 14-22**

RECOMMENDATION

1. Transfer and appropriate \$200,000 from the Wastewater Fund to the Annual Sewer Main Replacement, Project 14-22. (Five votes required)
2. Authorize the City Manager to amend the professional services agreement with NV5 for the Annual Water and Sewer Main Replacement, Projects 14-21 and 14-22, increasing compensation by \$102,030 for Project 14-22 for a total contract amount not to exceed \$502,030.

BACKGROUND

On April 14, 2015, the City Council approved a design services contract with NV5 Engineers of San Jose to prepare plans and specifications for the Annual Water and Sewer Main Replacement, Projects 14-21 and 14-22, for a total not-to-exceed amount of \$400,000. Projects 14-21 and 14-22 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 work includes replacement of approximately 4,800' of water mains and 4,600' of sewer mains on Boranda Avenue, Begen Avenue, Bond Way, Crane Avenue, Gantry Way, and Cuesta Drive. The project also includes work at or near the City-owned Moffett Gateway site, including replacement of approximately 360' of failing sewer main, two new water services for the Moffett Gateway site, and the upsizing of approximately 980' of water main on Leong Drive.

Staff recommends replacing this main prior to construction of the planned office and hotel development on Moffett Gateway because construction is simpler and less expensive while the site is vacant, and construction after the development occurs would be disruptive to the future occupants of the site. The recommended contract amendment would fund design of the new 630' crossing. Staff has been coordinating with Broadreach Capital Partners and believes construction can occur without impacting Broadreach's construction plan and schedule.

The additional scope of work for design of the sewer crossing is provided in Attachment 1 with a proposed not-to-exceed fee of \$89,040, including contingency.

Survey of Storm Drain and Sewer Manholes

The City is evaluating storm drain system hydraulic deficiencies in the Moffett Gateway area and sewer system hydraulic deficiencies in the San Antonio area. The recommended contract amendment includes surveying of existing storm drain and sewer manholes in the appropriate areas to provide data needed for the City's utility models, which will be used to assess pipe sizing and alignments and to develop plans to remedy deficiencies.

The additional scope of work for surveying manholes is provided in Attachment 2 with a proposed fee of \$12,990.

Staff recommends the NV5 contract be amended to include this work because:

1. NV5 has significant experience with City of Mountain View utility projects, most recently completing the design for Projects 13-21 and 13-22;
2. NV5 is currently under contract and has commenced design for Projects 14-21 and 14-22;
3. The proposed scope of work and the current 14-22 project share a common project area, Moffett Gateway. Using the same design consultant ensures a consistent and cohesive design and simplifies coordination; and
4. NV5 will be able to quickly mobilize their staff and proceed with the additional tasks.

FISCAL IMPACT

The estimated cost of the recommended work is as follows:

Design of Sewer Crossing	\$ 89,040
Survey of Sewer and Storm Drain Manholes	12,990
City Project Management and Permits	84,970
City Administration (6.5%)	<u>13,000</u>
TOTAL	<u>\$200,000</u>

In addition to funding for professional services, funding is recommended for staff time and permits in anticipation of a significant amount of coordination with regulatory agencies and adjacent land owners.

The Annual Storm and Sanitary Sewer Main Replacement, Project 14-22, is funded with \$1,135,000 from the Wastewater Fund. With the recommended appropriation, project funding is increased to \$1,335,000.

The existing NV5 contract is funded with \$400,000 from Project 14-21 (\$224,335 from the Water Fund) and 14-22 (\$175,665 from the Wastewater Fund). The recommended amendment increases wastewater funding from Project 14-22 by \$102,030 for a total contract amount of \$502,030. The recommended fees are within the range typically charged for such services, and staff considers the fees to be fair and reasonable.

The Wastewater Fund has sufficient funding for the recommended actions.

ALTERNATIVES

1. Defer the design project to replace the sewer main at Stevens Creek and State Route 85 and do not approve the transfer of additional funds to Project 14-22.
2. Defer the survey of Moffett Gateway storm drain manholes.
3. Defer the survey of San Antonio area sewer manholes.
4. Do not approve the recommended amendment to the NV5 contract and direct staff to issue a Request for Proposals to conduct the work described in this report.
5. Provide other direction.

PUBLIC NOTICING – Agenda posting.

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AAB-LA/TS/3/CAM
908-06-23-15CR-E

Attachments: 1. Additional Design Services Proposal – Sewer Main Replacement
2. Additional Services Proposal – Manhole Survey

cc: PCE – Au, USM, SCE – Muench, AE – Bumanglag, AAI – Grimm, F/c(14-22)