



DATE: April 21, 2015

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Water and Sewer Capacity Analyses,
Project 14-49 – Amend Design
Professional Services Agreement
with Schaaf and Wheeler**

RECOMMENDATION

Authorize the City Manager to amend the design professional services agreement with Schaaf and Wheeler for on-call water and sewer system modeling and analyses for various projects; increasing compensation by \$40,000, for a total not-to-exceed amount of \$139,500; accepting Schaaf and Wheeler's 2015 fee schedule; and extending the terms of the contract to December 31, 2016.

BACKGROUND

On April 1, 2014, the City executed a contract with Schaaf and Wheeler for \$99,500 to conduct water and sewer system modeling in anticipation of land use intensification associated with new development. The modeling tests the capacity of the existing water and sewer systems against the demands of anticipated development and results in recommended pipe sizes to meet demand. Examples of recent modeling include anticipated North Bayshore Precise Plan developments and Moffett Gateway. The City contracts with engineering firms for utility modeling because the City does not own the modeling software and does not have the in-house expertise to run the models. Utility modeling is complex and specialized, and staff recommends continuing to use consultant resources for this activity.

ANALYSIS

Through their work on North Bayshore and other developments, Schaaf and Wheeler has gained familiarity with the City's operation of water and sewer utilities and is knowledgeable of future growth plans of the City. With the expected large volume of development projects, there is high demand for analysis of the water and sewer system to determine appropriate pipe sizes and alignments for upgraded utilities. Having on-call modeling services available allows staff to evaluate developments and recommend specific utility improvements within the time frames dictated by the development

review process. Schaaf and Wheeler has performed well to date, and staff recommends amending the existing contract to provide additional funding.

FISCAL IMPACT

Project 14-49 is funded with \$75,000 from the Water Fund and \$75,000 from the Wastewater Fund, respectively. There is a sufficient balance in Project 14-49 for the increased amount of the contract.

ALTERNATIVES

1. Recommend that staff investigate providing utility modeling with in-house resources.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting.

Prepared by:

Lisa Au
Principal Civil Engineer

Approved by:

Michael A. Fuller
Public Works Director

Daniel H. Rich
City Manager

LA-MAF/3/CAM
905-04-21-15CR-E

Attachment: 1. Schaaf and Wheeler 2015 Fee Schedule

cc: USM – Turner, PCE – Au, PCE – Arango, SCE – Muench, AAI – Grimm,
F/c (12-21 and 12-22)