



**DATE:** June 12, 2018

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Storm Drain Master Plan Update,  
Project 16-54 – Amend Design  
Professional Services Contract**

### **RECOMMENDATION**

1. Appropriate and transfer \$25,000 from the Construction/Conveyance Tax Fund to Storm Drain Master Plan Update, Project 16-54, increasing the project budget from \$535,000 to \$560,000. (Five votes required).
2. Authorize the City Manager to amend the existing professional services agreement with Schaaf & Wheeler Consulting Civil Engineers of San Francisco for an additional \$50,000 to provide civil engineering services for Storm Drain Master Plan Update, Project 16-54, resulting in a total not-to-exceed contract of \$395,000.

### **BACKGROUND**

The City of Mountain View completed a storm drain master plan in 2005. Since then, a number of additional studies and analyses were completed to evaluate the City's storm drain pump stations and to support various development and planning projects. In 2015, the City Council funded a project to update the storm drain master plan. The work is being performed by Schaaf & Wheeler Consulting Civil Engineers (Schaaf & Wheeler).

The master plan update provides an opportunity to synthesize previous analysis and knowledge of the system; assess the City's flood protection level of service; identify infrastructure improvement and expansion needs; and develop recommendations for long-range flood management practice, land use practice, policy revisions, and design criteria updates. The stormwater master plan provides a road map for the City to manage and improve its infrastructure to provide flood protection.

## **ANALYSIS**

Additional work is needed to refine the analysis and to provide additional information needed to supplement the draft master plan (Attachment 1). Specifically, staff recommends including the following additional services in the contract:

1. Refine the hydraulic modeling for the City storm drain system. The model currently includes the creek, storm drain, and overland flow systems. Additional work is needed to improve integration between the model components. This will greatly improve the accuracy of the analysis to evaluate the performance of each component and the interactions between the components, providing deeper understanding of stormwater routing throughout the watersheds in the City.
2. Refine the Capital Improvement Program (CIP). The consulting team developed a draft CIP to improve the City's storm drain system. Additional work is needed to further evaluate improvement options and their feasibility taking into consideration limitations in available flow routing paths and space for improvements, costs, and land use planning uncertainties. This in-depth evaluation of alternatives will refine the recommended improvements resulting in a more realistic CIP.
3. The efforts described above will result in updated information that will need to be incorporated into the draft master plan report.

The additional funding will supplement the existing available budget for the project team to complete the master plan study and the final report. The estimated cost of the additional work is \$50,000.

## **FISCAL IMPACT**

Storm Drain Master Plan Update, Project 16-54, is funded with \$535,000 from the Wastewater Fund. An additional \$25,000 is needed to fund the recommended \$50,000 amendment. The recommended actions would increase the Schaaf & Wheeler agreement from \$345,000 to \$395,000 and increase the Storm Drain Master Plan Update, Project 16-54, budget from \$535,000 to \$560,000.

**ALTERNATIVES**

1. Do not authorize the project budget amendment, a contract amendment, and a Capital Improvement Project budget amendment.
2. Provide other direction.

**PUBLIC NOTICING** – Agenda posting.

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RW-LA/2/CAM  
937-06-12-18CR-E-1

Attachment: 1 Schaaf & Wheeler Consulting Civil Engineers Additional  
Services – Storm Drain Master Plan Memo

cc: APWD – Solomon, PCE – Au, USM, SCE – Muench, AAI – Goedicke, AAI – Doan,  
File (16-54)