



DATE: March 6, 2018

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Annual Water and Sewer Main Replacements, Projects 16-21 and 16-22 – Approve Plans and Specifications/Authorize Bidding**

RECOMMENDATION

1. Authorize the transfer and appropriation of:
 - a. \$305,000 from Miscellaneous Water Main/Service Line Replacement, Project 14-21; and
 - b. \$973,000 from Miscellaneous Water Main/Service Line Replacement, Project 15-21, to Miscellaneous Water Main/Service Line Replacement, Project 16-21. (Five votes required)
2. Authorize the transfer and appropriation of \$1,405,000 from Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 15-22 to Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 16-22. (Five votes required)
3. Approve plans and specifications for Annual Water and Sanitary Sewer Main Replacements, Projects 16-21 and 16-22, and authorize staff to advertise the project for bids.
4. Authorize the City Manager to award a construction contract to the lowest responsible bidder if the bid is within the project budget.

BACKGROUND

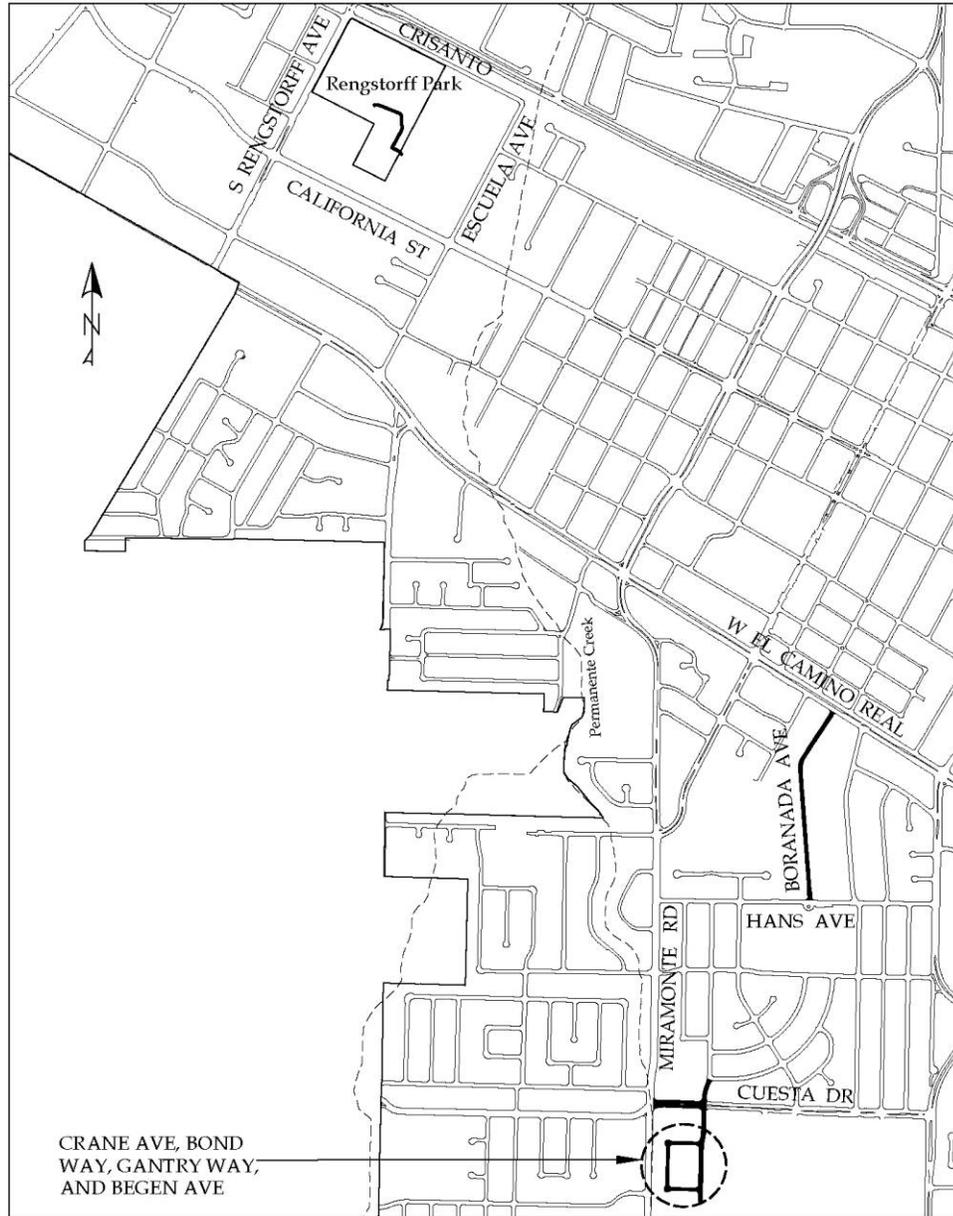
Annual Water and Sewer Main Replacements, Projects 16-21 and 16-22, are infrastructure maintenance projects to replace substandard or end-of-service-life water mains, sewer mains, and service laterals. The water and sewer mains are selected for replacement based on age of the pipe, maintenance history, failure history, and capacity considerations. Because some of the water and sewer projects are located on the same

street, they are scheduled to be replaced at the same time to minimize construction impact on the community and take advantage of potential economies of scale.

Balances remain in previous water and sewer main replacement projects (14-21, 15-21, and 15-22) after completing other work, and the recommended actions include appropriating the available balances to the FY 15-16 projects (16-21 and 16-22) to create two larger projects. Combining the project balances will allow more efficient management of the projects and take advantage of the economy of scale of larger projects.

ANALYSIS

The projects will replace approximately 5,600 linear feet of water mains and 4,600 linear feet of sewer mains on Boranda Avenue, Begen Avenue, Bond Way, Crane Avenue, Gantry Way, and Cuesta Drive, and install a new water main through Rengstorff Park to increase system reliability (see map below).



The project plans and specifications have been completed and the estimated project cost is as follows:

Construction	\$4,000,000
Construction Contingency (10%)	400,000
City Construction Management and Inspection	200,000
Printing and Other Miscellaneous	<u>5,000</u>
Subtotal	\$4,605,000
City Administration @ 6.5%	<u>300,000</u>
TOTAL PROJECT COST	<u>\$4,905,000</u>

If the recommended actions are approved and a responsive bid within the project budget is received, construction is anticipated to begin in May 2018 and be completed by winter 2019.

In accordance with the California Environmental Quality Act (CEQA), this project has been determined to be categorically exempt as repair and maintenance of existing facilities.

FISCAL IMPACT

From the existing \$2,415,000 budget in the 16-21 Annual Water Main Replacement Project, \$1,518,000 is being allocated for this project. From the existing \$1,523,000 budget in the 16-22 Annual Sanitary Sewer Main Replacement Project, \$704,000 is being allocated for this project. The remaining existing funds in Projects 16-21 and 16-22 are being used for the design for the replacement of water and sewer pipelines on Leong Drive between Walker Drive and Fairchild Drive as well as other miscellaneous water and sewer main replacement work.

If the recommendations are approved, this project will be funded by \$2,796,000 from the Water Fund from the Annual Water Main Replacement Project (CIP 16-21) and \$2,109,000 from the Wastewater Fund from the Annual Sanitary Sewer Main Replacements Project (CIP 16-22), for a total project budget of \$4,905,000.

ALTERNATIVES

1. Defer construction.
2. Provide other direction.

PUBLIC NOTICING

Agenda posting. Individual letters were sent to property owners near the project sites, and to property owners impacted by new or relocated fire hydrants. An advertisement was placed in the *Mountain View Voice*, and an announcement posted on the City's website.

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HN/5/CAM
934-03-06-18CR-E

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