

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: DANNY CHEN, ASSISTANT ENGINEER
CAPITAL PROJECTS ENGINEERING
SUBJECT: REQUEST FOR APPROVAL OF ADDITIONAL CONTRACT
CONTINGENCY – DONAHUE, DECKER, BOYCE & PETALUMA
HILL SEWER AND WATER MAIN IMPROVEMENTS

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by motion, approve a 10% increase in contingency from 15% to 25% for the additional contaminated soil disposal, extra costs to resolve utility conflicts, and additional roadway resurfacing for a total contingency of \$316,169.49, and contract amount of \$1,580,847.46.

EXECUTIVE SUMMARY

An increase in contingency is requested due to the unforeseen conditions involving third party utility conflicts, unmapped sewer service laterals, contaminated soil and groundwater disposal, and paving to repair pavement adjacent to excavations that deteriorated more than expected under the heavy construction equipment.

BACKGROUND

On May 16, 2019, the Board of Public Utilities approved a construction contract with Team Ghilotti in the amount of \$1,264,677.97, with a 15% contingency and authorized a total contract amount of \$1,454,379.67. The project removed and replaced approximately 500 feet of aged and deteriorated vitrified clay sewer mains and laterals in Donahue, Becker and Boyce Streets, and replaced approximately 130 feet of aged and undersized water mains in Decker Street. The project also replaced approximately 785 feet of aged and deteriorated sewer main and laterals in Petaluma Hill Road. A total of 20 curb ramps were upgraded to comply with current standards.

The 15% contingency was anticipated to cover risks associated with excavating in an area with contaminated soil and deteriorating roadway.

The construction contract included provisions for handling and disposal of a specified quantity of trench spoils and groundwater contaminated with petroleum hydrocarbons known to be present in the Donahue/Decker vicinity. The construction contract also included provisions regarding trench paving and roadway reconstruction based on roadway conditions during the earlier design phase. The roadway condition in the work area was poor to begin with and deteriorated further due to the loading of heavy construction equipment. As a result, the standard trench paving width was widened to repair pavement adjacent to the trench damaged by the work. This additional paving contributed to the need for more contingency.

Four unmapped sewer laterals servicing the multi-use commercial building east of Donahue Street were uncovered during replacement of the sewer main. Extra work by the contractor to identify the source of these laterals and then connect to the new main was required. This work also generated a significant amount of additional trench soil within the contaminated area that contributed to the extra costs, and additional paving.

A conflicting AT&T conduit was discovered directly beneath the sidewalk on the west side of Petaluma Hill Road requiring extra work by the contractor to install the improvements without impacting the conduit.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On May 16, 2019, the Board of Public Utilities awarded Construction Contract No. C02003 in the amount of \$1,264,677.97, to the lowest responsive bidder, Team Ghilotti, of Petaluma, California for Donahue, Decker, Boyce, and Petaluma Hill Sewer and Water Improvements, and approved a 15% contingency, authorizing a total contract amount of \$1,454,379.67.

ANALYSIS

Extra work associated with handling of contaminated soil and groundwater, unforeseen conditions involving unmapped sewer laterals and an AT&T conduit increased cost of the construction contract by 25%.

The extra work was observed by the city's Construction Inspector and verified by the city's Project Manager.

FISCAL IMPACT

Approval of this contract has no additional impact on the budget. Funds for this project were appropriated in the fiscal year 2018/19 Capital Improvement Program budget.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the

environment, pursuant to CEQA Guideline section 15378.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

N/A

ATTACHMENTS

- Attachment 1 – Location Map

CONTACT

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