



CITY OF HAYWARD

Hayward City Hall
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Cover Memo

File #: CONS 16-313, **Version:** 1

DATE: June 21, 2016

TO: Mayor and City Council

FROM: Director of Utilities & Environmental Services

SUBJECT

Water Main Replacement at Mission Boulevard, Fairway Street to Lexington Avenue: Award of Construction Contract

RECOMMENDATION

That Council adopts the attached resolution awarding the contract for construction of the Water Main Replacement at Mission Boulevard, Fairway Street to Lexington Avenue Project to Mountain Cascade, Inc., in the amount of \$1,799,988.

SUMMARY

This project will replace and upgrade approximately 6,600 feet of asbestos cement (AC) and cast iron (CI) water mains that were installed sixty-two years ago with new ductile iron (DI) water mains in Mission Boulevard from Fairway Street to Lexington Avenue.

BACKGROUND

This project is part of a continuing program to maintain and upgrade the City's water distribution system. Staff has prioritized water mains for replacement throughout the City by rating pipe segments based on age, adequacy of size and flow, the number of leaks or failures that have occurred, and the difficulty to repair the pipe if it failed considering location and traffic conditions. The pipes to be replaced as part of this project were also selected for expedited replacement so that the needed water main replacements are completed prior to the construction of the Mission Boulevard Corridor Improvement Project anticipated to start in the spring of 2017.

This project will replace and upgrade water mains with new DI water mains and new service connection pipes in Mission Boulevard from Fairway Street to Lexington Avenue, as shown on Attachment II. The pipeline replacements on this project consist of replacing approximately 6,230 feet of twelve-inch AC and CI pipes with new twelve-inch DI pipes and replacing approximately 370 feet of substandard six-inch CI pipes with new eight-inch or twelve-inch DI pipes to improve reliability, fire flow, and minimize future maintenance needs.

On May 3, 2016, Council approved the plans and specifications for the project and called for bids to be received on June 7, 2016.

DISCUSSION

On June 7, 2016, the City received eight bids. Mountain Cascade, Inc., submitted the low bid in the amount of \$1,799,988, which is approximately 6.25% below the engineer's estimate of \$1,919,970. California Trenchless, Inc., submitted the second lowest bid in the amount of \$1,857,562. The bids ranged from \$1,799,988 to \$2,798,242.

All bid documents and licenses are in order. Staff recommends award of contract to the low bidder, Mountain Cascade, Inc., in the amount of \$1,799,988.

ENVIRONMENTAL REVIEW

This pipeline replacement project is categorically exempt from environmental review under the California Environmental Quality Act (CEQA) Section 15301, Existing Facilities, as it consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.

ECONOMIC AND FISCAL IMPACT

A robust and capable water distribution system can contribute to the vitality of the community and its economic development. Conversely, frequent main breaks and water service disruption can adversely impact economic vitality.

The estimated project costs are as follows:

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|---|---------------|
| Design and Construction Administration - City Staff | \$ 35,000 |
| Construction Contract | 1,799,988 |
| Inspection and Testing | <u>45,000</u> |
| Total | \$1,879,988 |

The FY 2016 Capital Improvement Program includes \$2,000,000 for the "Water Main Replacement at Mission Boulevard between Fairway Street and Lexington Street" project in the Water System Replacement Capital Improvement Fund.

SUSTAINABILITY FEATURES

Water: Efficiency and conservation.

Replacing the old CI pipeline greatly reduces the potential for leaks and breaks which results in water waste minimization.

Solid Waste: Waste reduction and diversion.

The old CI pipe will be abandoned in place. Any exported materials from the site, mainly asphalt and soil, will be recycled.

Purchasing: Consistent with the City's Environmentally Preferred Purchasing Policy.
This project will be done in full compliance with the City's purchasing policies.

PUBLIC CONTACT

Prior to and during construction, notices will be provided to affected residents, property and business owners to inform them of the nature and purpose of the work, potential impacts, work schedule and City contact for additional information. In addition, staff will separately contact any large employers and schools (i.e., Conley-Caraballo High School on Blanch Street) that may be affected by the project and coordinate work in order to minimize impact. Water customers shall be notified of temporary water service interruption both three days and at least one hour prior to shutdown of water service.

NEXT STEPS

The following schedule has been developed for this project:

| | |
|-------------------------|-------------------|
| Notice to Proceed | August 8, 2016 |
| Construction Completion | December 22, 2016 |

Prepared by: Rod Schurman, Associate Civil Engineer
Suzan England, Senior Utilities Engineer

Recommended by: Alex Ameri, Director of Utilities & Environmental Services

Approved by:



Fran David, City Manager

Attachments:

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|----------------|--------------|
| Attachment I | Resolution |
| Attachment II | Location Map |
| Attachment III | Bid Summary |