

City of Brisbane

Agenda Report

TO: Honorable Mayor and City Council

FROM: Director of Public Works/City Engineer via City Manager

SUBJECT: Annis Road PRV Station and Fire Main Replacement Project (Project No. 9F08)

DATE: Meeting of September 7, 2017

Recommendation: Authorize publication of the Notice Inviting Bids for construction of the Annis Road Pressure Regulating Valve Station and Fire Main Replacement Project.

City Council Goals: To maintain and improve infrastructure. (#3)

Purpose: To provide fire flow capacity per the 2016 California Fire Code (CFC) criteria within the benefitting neighborhoods; this action is consistent with the community's value of public safety.

Background:

The July 2003 Water Master Plan recommended a prioritized capital improvement program to improve the potable water system's capacity to supply fire flows to specific residential areas of the City. The project identified to resolve these issues was subsequently confirmed in the 2016 Water Master Plan update.

The "Project" includes (1) the replacement of approximately 6,650 linear feet of 6-inch water main with 8 and 10-inch pipe along portions of Thomas Avenue, Annis Road, Harold Road, Humboldt Road, Sierra Point Road, Kings Road, Margaret Avenue, and Paul Avenue, and (2) the installation of a new pressure reducing valve (PRV) at the intersection of Annis Road and San Bruno Avenue.

City Council authorized engineering design services by Erler & Kalinowski, Inc. (EKI) for this project on July 14, 2016. EKI has developed the project plans and specifications to a 95% level of completion; those documents are attached to this staff report.

For California Environmental Quality Act (CEQA) compliance, the project was determined to be Categorically Exempt, and a Notice of Exemption was submitted on May 12, 2017. No further action on this environmental determination is required by Council.

Discussion:

A significant construction footprint on the narrow streets within the project limits will necessitate the full-width roadway shutdown within sectioned project limits at least three times; for installation of the

temporary bypass water line, for installation of the new waterline, and for removal of the temporary line and final street repairs. The contractor will be required to follow specific construction sequencing including: (1) the contractor is required to complete either the Western or Eastern Section of the project first before work on the other section will be allowed to commence; (2) the contractor is required to construct each section per the phasing shown on plan sheets TP-1 and TP-2, including installing the complete temporary water service bypass system prior to starting work to replace the main in each phase; (3) the maximum contiguous length of full-width road closure shall not exceed 500 feet on any given day and full access must be restored at the end of each work day; (4) the contractor is required to provide 72-hour advance written notice to affected residents prior to restricting access to driveways and parking; (5) the contractor is required to provide 72-hour advance written notice prior to disconnecting water service.

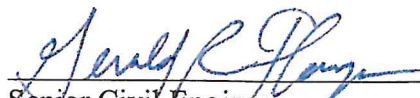
Given the anticipated disruption to the neighborhood during the lengthy construction schedule, two neighborhood meetings will be held to elicit comments and concerns from the citizens. Staff will endeavor to incorporate means of dealing with the concerns into the final design specifications. Neighborhood meetings will be scheduled on weekends in late September and early October. The release of the Notice Inviting Bids to bidders is tentatively scheduled for January 2018, to allow for a 90-day bid schedule, with construction expected to start in April 2018.

Fiscal Impact:


On April 16, 2015, the City Council adopted Resolution No. 2015-11 authorizing the issuance and sale of \$5M of revenue bonds to finance improvements to the city's public utilities, including the Annis Road PRV Station and Fire Main Replacement

The current engineer's estimate for the base project is \$2,903,000. Dependent on which of the two additional design bid alternatives is selected for installation of the temporary water bypass system, the total construction estimate ranges from \$3,143,000 to \$3,211,000.

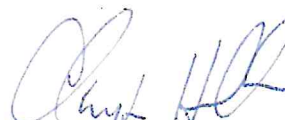
Attachments: Plans and Specifications for Construction of Annis Road PRV Station and Fire Main Replacement Project (95% Design Submittal)



Senior Civil Engineer



Director of Public Works/City Engineer



City Manager

A copy of supporting materials provided to the City Manager and Council Persons in connection with this agenda item is available for public inspection and copying at 50 Park Place, City of Brisbane Department of Public Works, Brisbane, CA, 94005, Telephone: (415) 508-2130.