



CITY OF
HAYWARD
HEART OF THE BAY

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DATE: October 20, 2009

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Authorization for the City Manager to Execute a Professional Services Agreement for Design and Construction Administration Services for the Installation of Sudden Loss Valves at Various Locations Project

RECOMMENDATION

That Council adopts the attached resolution authorizing the City Manager to execute a Professional Services Agreement with Carollo Engineers for design and construction administration services for the Installation of Sudden Loss Valves at Various Locations Project in an amount not to exceed \$75,000.

BACKGROUND

Water in a reservoir can be drained to waste if the downstream pipe is sheered due to a catastrophic event such as an earthquake. To prevent such water loss in the reservoir, there is available technology in the form of rapid automatic shutoff valves. Installation of such valves was evaluated and recommended in seismic retrofit studies performed for the City water system. The valves would serve to protect life and property by preserving water in the storage tank for domestic use and fire suppression in the event that an earthquake causes damage to the regional transmission and local distribution pipelines. The City has installed sudden loss valves in five of its fourteen reservoirs at Highland 750, 1000, 1285, 1530 and North Walpert.

The reservoirs to be equipped with sudden loss valves as part of this project will be D Street, Garin Hill, Highland 250 and 500, Maitland, South Walpert, and Treeview. The High School reservoir has been offline for a period of time for repairs and the installation of a sudden loss valve will be considered there after the reservoir is repaired and placed back in service.

DISCUSSION

On August 19, 2009, Request for Proposals to provide engineering services for the Installation of Sudden Loss Valves at Various Locations Project was sent to three engineering consultants. By September 15, 2009, proposals were received only from Brown and Caldwell and Carollo Engineers. After reviewing both proposals, staff finds Carollo Engineers provides the better approach of the two consultants in designing the Sudden Loss Valves installation with results at a lower cost while providing adequate design documents. Carollo Engineers has extensive experience in and strong understanding of the City's water system. Therefore, staff recommends executing a professional services agreement with Carollo Engineers to provide design and construction administration services for the Installation of Sudden Loss Valves at Various Locations Project. A detailed scope of work and a proposal fee of \$61,609 have been negotiated with Carollo Engineers.

The not-to-exceed amount of \$75,000 for the professional services agreement will allow \$13,391 for additional services, which may be needed during the design and construction phase of the project.

FISCAL AND ECONOMIC IMPACT

The estimated project costs are as follows:

Design and Construction Administration Services – Consultant	\$ 75,000
Design Administration – City Staff	20,000
Construction Contract	300,000
Inspection and Testing	<u>25,000</u>
Total:	\$420,000

The FY 2009 Capital Improvement Program (CIP) includes \$422,000 for the Installation of Sudden Loss Valves at Various Locations Project in the Water System Capital Improvement Fund.

PUBLIC CONTACT

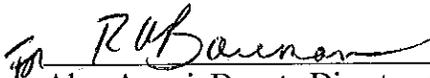
Not applicable.

SCHEDULE

The estimated schedule for this project is summarized as follows:

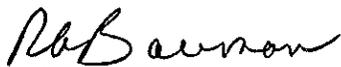
Begin Design	November 2009
Complete Design	March 2010
Advertise	April 2010
Award Construction Contract	June 2010
Begin Construction	July 2010
End Construction	September 2010

Prepared by:



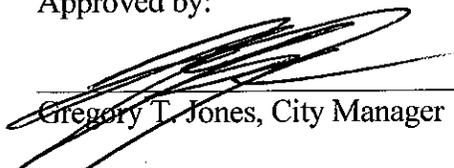
Alex Ameri, Deputy Director of Public Works

Recommended by:



Robert A. Bauman, Director of Public Works

Approved by:



Gregory T. Jones, City Manager

Attachment: Draft Resolution

Sudden Loss Valves... Authorize PSA
October 20, 2009

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. 09-

Introduced by Council Member _____

me
10/9/09

RESOLUTION AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH CAROLLO ENGINEERS FOR DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES FOR THE INSTALLATION OF SUDDEN LOSS VALVES AT VARIOUS LOCATIONS PROJECT, PROJECT NO. 7165

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to negotiate and execute a Professional Services Agreement with Carollo Engineers for design and construction administration services for the Installation of Sudden Loss Valves at Various Locations Project, in an amount not to exceed \$75,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2009

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:
MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward