



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: March 25, 2014

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction Of The Corporation Yard Well – Wellhead Project

RECOMMENDATION: That Council:

- A. Award a contract with Brough Construction, Inc., in their low bid amount of \$438,587 for construction of the Corporation Yard Well – Wellhead Project, Bid No. 3691, and authorize the Public Works Director to execute the contract and approve expenditures up to \$45,000 to cover any cost increases that may result from contract change orders for extra work and differences between estimated bid quantities and actual quantities measured for payment; and
- B. Authorize the Public Works Director to execute a contract with Carollo Engineers in the amount of \$30,700 for design support services during construction of the Corporation Yard Well – Wellhead Project, and approve expenditures of up to \$3,000 for extra services of Carollo Engineers that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

On December 11, 2012, Council approved a well drilling contract with Layne Christensen Company for the demolition of the failed Corporation Yard Well that was drilled in 1974, and the drilling of a new well in the Corporation Yard. The new well was successfully completed at the end of April 2013. On March 12, 2013, Council approved a contract for design services with Carollo Engineers to develop plans and specifications to complete the Wellhead project, allowing water to be pumped to the Ortega Groundwater Treatment Plant for treatment.

PROJECT DESCRIPTION

The Corporation Yard Well – Wellhead Project (Project) consists of installing a well pump and constructing above ground improvements for the newly drilled Corporation Yard

Well. The above ground improvements include the installation of discharge piping, valves, a flow meter, electrical service, and instrumentation and controls. The Project also includes the installation of three valves in Ortega Street to give operational flexibility to the raw water collection system.

A request for proposals was released for the Supervisory Control and Data Acquisition (SCADA) work required on the Project. The SCADA work entails the controls and monitoring equipment necessary to operate the well in coordination with the demands of the water system. SCADA is a very specialized type of work and was not included with the general construction contract because experience has shown that the City can better control the final product and costs when the SCADA contractors are working directly for the City, as opposed to being a subcontractor to a general contractor.

CONTRACT BIDS

A total of two bids were received for the construction portion of the Project, as follows:

	BIDDER	BID AMOUNT
1.	Brough Construction, Inc. Arroyo Grande, CA	\$438,587
2.	Schock Contracting Santa Barbara, CA	\$492,889

The low bid of \$438,587, submitted by Brough Construction, is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$45,000, or approximately 10 percent, is typical for this type of work and size of project.

CONSTRUCTION PHASE CONTRACT SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Carollo Engineers in the amount of \$30,700 for design support during construction, and approve expenditures of up to \$3,000 for extra services of Carollo Engineers that may result from necessary changes in the scope of work. Carollo Engineers was the design engineer on the Project and is currently on the City's Prequalified Engineering Services list and is experienced in this type of work.

FUNDING

There are sufficient appropriated funds budgeted in Water fund to cover the cost of this Project.

The following summarizes the expenditures recommended in this report:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Brough Construction	\$438,587	\$45,000	\$483,587
Carollo Engineers	\$30,700	\$3,000	\$33,700
TOTAL RECOMMENDED AUTHORIZATION			\$517,287

The following summarizes all Project design costs, construction contract funding, and other Project costs:

ESTIMATED TOTAL PROJECT COST

Previous Well Drilling Project Design and Construction Costs	\$1,247,363
Subtotal	\$1,247,363
Design Contract for Wellhead Project	\$84,000
City Design Costs	\$59,541
Subtotal	\$143,541
Construction Contract for Wellhead Project	\$438,587
Construction Change Order Allowance	\$45,000
Design Support (by Contract with Carollo)	\$30,700
Design Support Change Order Allowance	\$3,000
Subtotal	\$517,287*
SCADA Contract (estimate) for Wellhead Project (Coming to Council for approval in future CAR)	\$50,000
Construction Management/Inspection with City Staff	\$47,025
Subtotal	\$97,025
TOTAL PROJECT COST	\$2,005,216

*Cents have been rounded to the nearest dollar in this table.

SUSTAINABILITY IMPACT:

The Corporation Yard Well is located in Groundwater Storage Unit 1. During times of drought, the City's groundwater supply, including the Corporation Yard Well, plays an important role in providing a reliable local source of water to help meet demands.

PREPARED BY: Amanda Flesse, Supervising Civil Engineer/CW/mj

SUBMITTED BY: Rebecca Bjork, Acting Public Works Director

APPROVED BY: City Administrator's Office