



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: April 29, 2014

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Supervisory Control And Data Acquisition Integration Services For The Corporation Yard Well – Wellhead Project

RECOMMENDATION:

That Council authorize the Public Works Director to execute a contract with Systems Integrated, LLC, in the amount of \$65,923 for equipment, testing, and Supervisory Control and Data Acquisition Programming, and approve expenditures of up to \$10,000 for extra services that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND & PROJECT DESCRIPTION

On March 25, 2014, Council approved a wellhead construction contract with Brough Construction Inc, and a design support contract with Carollo Engineers for the construction of the Corporation Yard Well – Wellhead Project (Project), which will allow water to be pumped from the well to the Ortega Ground Water Treatment Plant (OGWTP). The wellhead construction contract consists of installing a well pump and constructing above ground improvements for the newly drilled Corporation Yard Well. This integration services contract will allow Systems Integrated, LLC, (Systems Integrated) to purchase and install the necessary hardware at the well site and the OGWTP to transmit well operation information from the well site to the treatment plant. Systems Integrated will also program the existing servers at the OGWTP to display and record data that will be transmitted from the Corporation Yard Well.

The change order authority on this contract is requested at 15 percent of the contract amount, which is higher than the typical 10 percent change order amount. The extra 5 percent is to cover probable difficulties in the radio transmission aspect of the Project, due to vegetation in the path of the transmission line between the well and the treatment plant. If these difficulties arise, field modifications to the transmission equipment may be needed.

Council Agenda Report

Contract For Supervisory Control And Data Acquisition Integration Services For The Corporation Yard Well – Wellhead Project

April 29, 2014

Page 2

Systems Integrated was selected through a Request for Proposals process which closed on March 13, 2014. The City received a total of two proposals, one from Systems Integrated and one from ProUsys. Systems Integrated has extensive experience with the City's Supervisory Control and Data Acquisition Intergration Services (SCADA) systems, and specifically with the OGWTP, as they supplied the equipment and integration services for the recent upgrade at the OGWTP.

REQUEST FOR PROPOSAL RESULTS

Two proposals were received for the subject work, as follows:

	CONSULTANT	PROPOSAL AMOUNT
1.	Systems Integrated. San Diego, CA	\$65,923
2.	ProUsys Ventura, CA	\$91,937

The proposal from Systems Integrated is acceptable and meets the requirements of the request for proposals advertisement.

FUNDING

There are sufficient 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
Systems Integrated	\$65,923	\$10,000	\$75,923
TOTAL RECOMMENDED AUTHORIZATION			\$75,923

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
Construction Contract and Design Support	\$517,287
Construction Management/Inspection with City Staff	\$47,025
Subtotal	\$707,853
SCADA Integration Contract	\$75,923
Subtotal	\$75,923
TOTAL PROJECT COST	\$2,031,139

SUSTAINABILITY IMPACT:

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

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

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office