



REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR
AND CITY COUNCIL

DATE: May 18, 2010

SUBJECT: SCADA System Implementation, Project No. 06-09; Award
Construction Contract

Report in Brief

The consulting firm Kennedy Jenks was selected by City staff to prepare plans and specification for the installation of a Supervisory Control and Data Acquisition (SCADA) system on existing City wells. This system will enable City staff to utilize the wells more efficiently while maximizing production from the wells with better water quality.

On April 22, 2010, the City received three bids reflecting Auburn Contractors as the apparent lowest bidder. However, two of the three bids received Auburn Contractors and Aztec Contractors included irregularities which must also be formally addressed. Staff reviewed this matter with the City Attorney and concluded that the irregularities were minor and may be waived, thereby allowing the City Council to award this project to lowest bidder.

Staff recommends City Council waive the bid irregularities as minor and accept both Auburn and Aztec's bids as responsive; authorize award of the SCADA Design and Implementation Construction Contract to Auburn Contractors in the amount of \$1,142,300 and authorize a contract contingency in the amount of \$400,000 for potential necessary change orders and staff time.

Background

In 2006, Westin Engineering Inc. prepared a SCADA Master plan for the City; this plan includes a description of the existing system and a strategy to achieve a fully transformed SCADA water distribution system. This SCADA system will allow the City to stabilize and enhance water pressure to provide improved residential, business, and fire flow capabilities. The SCADA system will also help improve the operation of the water distribution system and enhance regulatory compliance, capacity management and security maintenance of the system. The main focus of the SCADA Master Plan was to define how to integrate the City's entire system, capture process data for analysis, increase system efficiency, reduce personnel labor cost, improve alarm notification to the operation and increase response time efficiency.

Discussion

The City currently operates 19 water production wells; all wells are currently monitored and controlled by the maintenance crew visiting each well site daily. As a result, data such as well production flow, reservoir levels, and alarms are not available remotely nor automatically recorded.

The new SCADA System will include selection menus which will be used to manage well controls. These features would include water quality monitoring, energy management, well alternation, well draw down monitoring and well efficiencies. The SCADA system would consist of a control system, an antenna, a radio transceiver, wiring conduits, power monitor and local monitor interface at each well. The system will also include a trouble shooting feature for diagnosing immediate and future problems. It would also have the capacity to be expanded in the future to incorporate additional utilities when necessary. When desired, the proposed SCADA system can also be used to monitor actual production cost with additional equipment added in the future.

On September 1, 2009, Council approved plans and specifications for the SCADA Design and Implementation Project, Project No 06-09.

On April 22, 2010 the City staff received three bids as indicated in the table below:

Table 1

Engineer's Estimate	\$ 1,615,000
Bidder's Name	Bid Amount (\$)
Auburn Contractors	1,142,300
Aztec Contractors	1,355,000
Western Contractors	1,478,106

This award is based on total construction price provided by contractors. The apparent lowest bidder is Auburn Contractors. However, Auburn's bid failed to acknowledge the receipt of Addendum 3 and a signed Disadvantage Business Enterprise (DBE) form as required in Part II, Section J of the Contract Documents. Aztec's bid also failed to provide all of its last three years Experience Modification Rate as required in Part II Section C of the Contract Documents. On the advice of the City's Attorney, both contractors were requested to provide the omitted information and they both have complied with this request. Upon close review of these circumstances with the City's Attorney, it was concluded that; 1) the irregularities are minor and does not impact the cost, and 2) they did not provide an unfair advantage to either bidder over any other bidder. Accordingly, it is recommended that Council determine Auburn Contractors as the lowest responsible and responsive bidder and award the contract to them. The contract working time is 240 work days, which excludes weekends and holidays, and allows for no cost weather delay time extension.

The California Environmental Quality Act determination for this project is Categorically Exempt based on Article 19, Section 15301(b) Existing Facilities and Section 15304(b) Minor Alterations to

Land. Accordingly, City staff filed a Notice of Exemption with the Yolo County Clerk on November 3, 2009.

Fiscal Impact

This project is partly funded by Water Enterprise Fund in the amount of \$2.2 million and Water 2025 grant funding in the amount of \$300,000. Currently, the available funding for construction for the SCADA Implementation Project is \$1.82 million. The total estimated cost of construction is approximately \$1,542,300; this includes \$1,142,300 for construction and \$400,000 for contingency and staff time. The contingency fund includes \$280,000 for construction change orders and \$120,000 for construction management change orders and staff time.

Public Contact

An issue of the “Woodland Water News” prepared by the Utility Engineering Division and inserted into Utility bills has been the primary source of public communication. The inserts provide information on present and future projects.

Recommendation for Action

Staff recommends City Council waive the bid irregularities as minor and accept both Auburn and Aztec’s bids as responsive; authorize award of the SCADA Design and Implementation Construction Contract to Auburn Contractors in the amount of \$1,142,300 and authorize a contract contingency in the amount of \$400,000 for potential necessary change orders and staff time.

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