



# CITY COUNCIL AGENDA REPORT



**DEPARTMENT:** Public Works

**MEETING DATE:** June 25, 2002

**PREPARED BY:** David Fike, Director of Public Works

**AGENDA LOCATION:** \*1 - 5

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**TITLE:** Supervisory Control and Data Acquisition System (SCADA) for a Computerized Water Production System in the Total Amount of \$642,016.00, Acceptance of Work, Filing of Notice of Completion, and Approval of Final Payment in the Amount of \$126,126 00 to Bristol Babcock

**OBJECTIVE:** Acceptance of work, Notice of Completion, and Approval of Final and retention payments

**BACKGROUND:** On November 14, 2000, the Council awarded Bristol Babcock a contract for the design, manufacturing, and installation of a new computerized control system for the City water production system, in the amount of \$642,016 00

The City's water production system is divided into six pressure zones, six wells, five booster stations consisting of seventeen pumps and eleven reservoirs, which have a combine storage capacity of 25 million gallons

The new control system utilizes fiber optic cables and spread spectrum radios as a means of communication. It has improved the efficiency, operability and reliability of the City's water production system by providing

- Instant reservoir levels
- Capability to turn wells and boosters on or off remotely
- Lower operation and maintenance costs
- Real time data
- Energy savings
- Prompt and reliable early alarm notification
- Security intrusion alarm
- Effective and useful automatic reports for operation, maintenance, engineering and administrative use

**ANALYSIS:** The total cost of the project was in the amount of \$615,898 00, which is \$26,118 00 less than the contract amount of 642,016 00. The cost reduction is the result of deletion of MWD connection and Well #1 from the project. We have rarely used MWD connection, and Well #1 is scheduled for abandonment next year. The project was inspected by Public Works Staff and completed in a satisfactory manner.

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The project contract requires Bristol Babcock to warranty the system hardware and software for a period of three (3) years and to perform preventive maintenance on a regular basis during the warranty period


**FISCAL IMPACT:** Funding for this project is available through the Water Services Fund.

**RECOMMENDATION:** Staff recommends the acceptance of the completed work, filing for Notice of Completion, and authorize the Director of Public Works to approve the final payment and retention thirty five (35) days after acceptance of work by the City Council

**COUNCIL ACTION REQUIRED:** If the City Council concurs, the appropriate action would be a motion to

- 1 Accept Bristol Babcock's work as satisfactorily completed, and direct the City Clerk to file a Notice of Completion with the County of Los Angeles Recorder
- 2 Authorize the Director of Public Works to approve final payment and the retention thirty-five (35) days after acceptance of the work by the City Council

Respectfully submitted,

  
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David Fike, Director of Public Works