



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: July 27, 2010

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction For The Escondido And Bothin Water Pump Stations Rehabilitation Project

RECOMMENDATION: That Council:

- A. Award a contract with Taft Electric Company (Taft), in their low bid amount of \$1,376,734, for construction of the Escondido and Bothin Water Pump Stations Rehabilitation Project (Project), Bid No. 3573;
- B. Authorize the Public Works Director to execute a contract and approve expenditures up to \$138,000 to cover any cost increases that may result from contract change orders for extra work; and
- C. Authorize the Public Works Director to execute a contract with AECOM Technical Services, Incorporated (AECOM), in the amount of \$44,611, for construction support services, and approve expenditures of up to \$4,500 for extra services of AECOM that may result from necessary changes in the scope of work.

DISCUSSION:

PROJECT DESCRIPTION

The work consists of replacing water pumps, electrical motors, electrical switchgear, valves, piping, instrumentation, and Supervisory Control And Data Acquisition systems integration. The existing equipment and systems are outdated and nearing the end of their lifecycles. The Project will increase the size of the pumps at the Escondido Pump Station, improving water flows and fire protection for the area. The design specifies replacement of the existing fixed speed pumps and motors at both pump stations, with variable frequency drive pumps and motors, in order to provide energy savings and enhanced water system control.

CONTRACT BIDS

A total of seven bids were received for the subject work, ranging as follows:

	BIDDER	BID AMOUNT
1.	Taft Electric Company, Ventura, CA	\$1,376,734
2.	Lash Construction, Inc., Santa Barbara, CA	\$1,390,000
3.	Cushman Contracting Corporation, Goleta, CA	\$1,460,000
4.	John Madonna Construction, Inc., San Luis Obispo, CA	\$1,561,000
5.	HPS Mechanical Inc., Bakersfield, CA	\$1,616,160
6.	Blois Construction, Inc., Oxnard, CA	\$1,831,474
7.	Tierra Contracting, Goleta, CA	\$1,850,000

The low bid of \$1,376,734, submitted by Taft, is an acceptable bid that is responsive to and meets the requirements of the bid specifications. The change order funding recommendation of \$138,000, or 10%, 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 AECOM, in the amount of \$49,111 for construction support services. AECOM successfully completed the design phase and is experienced in this type of work.

PUBLIC OUTREACH

Staff plans to send construction notification letters approximately one month prior to the start of construction to residents and property owners within 500 feet of both pump stations. Temporary water shut-off notices will be distributed in advance to properties affected by necessary station shut downs.

FUNDING

This Project is funded by the Water Capital Fund and there are sufficient appropriated funds 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
Escondido and Bothin Water Pump Stations Rehabilitation Project	\$1,376,734	\$138,000	\$1,514,734
Construction Support Services	\$44,611	\$4,500	\$49,111
TOTAL RECOMMENDED AUTHORIZATION			\$1,563,845

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

ESTIMATED TOTAL PROJECT COST

Design (by Contract)	\$114,551
Hydraulic Model Evaluation (by Purchase Order)	\$13,080
Other Design Costs - City staff	\$55,022
Special Supplies/Expenses	\$200
Subtotal	\$182,853
Construction Contract	\$1,376,734
Construction Change Order Allowance	\$138,000
Construction Support Services (by Contract)	\$49,111
Subtotal	\$1,563,845
Other Construction Costs (building permits, special supplies/expenses)	\$5,000
Construction Management/Inspection (by City Staff)	\$100,000
Subtotal	\$105,000
TOTAL PROJECT COST	\$1,851,698

SUSTAINABILITY IMPACT:

Staff has applied for an energy savings incentive through Southern California Edison's Customized Solutions Program. The pump station rehabilitations are anticipated to reduce total demand by 44,414 kilowatt-hours per year (or 28% of baseline), which will result in a one-time incentive of approximately \$7,000, and annual energy cost savings of approximately \$5,000.

PREPARED BY: Joshua N. Haggmark, Principal Engineer/AH/mj

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office