



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: September 8, 2015

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction Of El Estero Wastewater Treatment Plant Sodium Hypochlorite Line

RECOMMENDATION:

That Council award a contract with Lash Construction in the low bid amount of \$114,100 for construction of the El Estero Wastewater Treatment Plant Sodium Hypochlorite Line, Bid No. 3761, and authorize the Public Works Director to execute the contract and approve expenditures up to \$11,410 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.

DISCUSSION:

BACKGROUND

The El Estero Wastewater Treatment Plant (El Estero) treats an average of approximately seven million gallons of wastewater each day. It is an activated sludge plant that uses microorganisms to biologically remove organic contaminants from wastewater.

A certain type of microorganism, Filamentous Bacteria (Filament), is beneficial to the biological treatment process in small amounts. However, in large quantities it poses problems with treatment in the secondary clarifiers. At El Estero, there are certain times of the year when Filaments are present in large quantities, and they are controlled using sodium hypochlorite.

The existing sodium hypochlorite line is reaching the end of its useful life and needs to be replaced. Through coordination with the Tertiary Filtration Replacement Project (Tertiary Project), a portion of this line was designed and constructed. This was done as a cost savings measure because new sodium hypochlorite lines were needed at the Tertiary Facility; therefore, construction costs to add another line were minimal.

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On November 18, 2014, Council awarded a contract with MNS Engineers (MNS) for design services to replace the sodium hypochlorite line.

PROJECT DESCRIPTION

Construction of the El Estero Wastewater Treatment Plant Sodium Hypochlorite Line Project (Project) generally consists of replacing the remaining portion of the sodium hypochlorite line, and connecting the new line to existing chemical feed pumps at the chemical storage location, and at the point of application.

CONTRACT BIDS

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

	BIDDER	BID AMOUNT
1.	Lash Construction Santa Barbara, CA	\$114,100
2.	Schock Contracting Santa Barbara, CA	\$132,000
3.	Hanly Engineering Santa Ynez, CA	\$155,240
4.	Sansone Company San Luis Obispo, CA	\$212,334

The low bid of \$114,100, submitted by Lash Construction, is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$11,410, or ten percent, is typical for this type of work and size of project.

CONSTRUCTION PHASE CONTRACT SERVICES

As part of this Project, contracts have been issued through separate professional services agreements with MNS Engineers, Inc., in the amount of \$19,167.50 for construction support services, with Fugro Consultants, Inc., in the amount of \$5,417.50 for compaction testing during construction, and with Dudek in the amount of \$8,525.00 for biological and archeological services. Because these contracts are under \$35,000 each, they are not being submitted for Council approval.

FUNDING

The following summarizes the expenditures recommended in this report:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Lash Construction	\$114,100	\$11,410	\$125,510
TOTAL RECOMMENDED AUTHORIZATION			\$125,510

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

ESTIMATED TOTAL PROJECT COST

Design (by Contract)	\$56,215.00
City Staff Costs	13,187.00
Survey Services	2,000.00
Subtotal	\$71,402.00
Construction Contract	\$114,100.00
Construction Change Order Allowance	11,410.00
Subtotal	\$125,510.00
Compaction Testing	\$5,417.50
Construction Support Services (by Contract)	19,167.50
Biological and Archaeological Services	8,525.00
Construction Management/Inspection (by City Staff)	19,599.00
Subtotal	\$52,709.00
TOTAL PROJECT COST	\$249,621.00

This Project is funded by the Wastewater Capital Fund, and there are sufficient appropriated funds to cover the cost of this Project.

PREPARED BY: Lisa Arroyo, Supervising Civil Engineer/mh

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office