



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** February 26, 2008  
**TO:** Mayor and Councilmembers  
**FROM:** Engineering Division, Public Works Department  
**SUBJECT:** Notice Of Completion For El Estero Wastewater Treatment Plant Primary And Secondary Clarifiers And Aeration Basins

### RECOMMENDATION:

That Council accept the work completed by Spiess Construction Company, Inc. (Spiess), Contract No. 21,776, for the rehabilitation and repair of Primary and Secondary Clarifiers and Aeration Basins for the El Estero Wastewater Treatment Plant Project, Bid No. 3434, located at Yanonali Street, in the final contract amount of \$2,983,874, including approved changes, and approve filing of a Notice of Completion.

### DISCUSSION:

#### SCOPE OF WORK

The purpose of this project is to improve wastewater treatment reliability by performing much needed modifications and replacement of essential equipment. The completed project consisted of the rehabilitation and repair of the Primary and Secondary Clarifiers, and reconfiguration and rehabilitation of Aeration Basins at El Estero Wastewater Treatment Plant. The work included:

- *Primary and Secondary Clarifiers* – Replacement of the plates on the scum beaches, improvements to the sludge collector and flow distribution baffles, and rehabilitation of the wall coating.
- *Aeration Basins* – Replacement of fine bubble membrane diffusers, improvements to the gate, installation of baffle walls, and replacement of the mixers to improve the overall aeration process.

REVIEWED BY: \_\_\_\_\_ Finance \_\_\_\_\_ Attorney

Agenda Item No. \_\_\_\_\_

## BACKGROUND

On August 9, 2005, Council awarded the project construction contract to Spiess in the amount of \$2,713,920. Council also authorized the Public Works Director to approve expenditures for extra work in the amount of \$270,000; and authorized the Public Works Director to execute an agreement with Carollo Engineers for \$81,620 and Mimiaga Engineering Group for \$90,450, for construction phase services.

## SUMMARY

Spiess has completed all work in accordance with the contract plans and specifications. Final inspection of the work for acceptance by the City took place on December 31, 2007.

The final contract amount of \$2,983,874 is \$269,954 over the original contract amount of \$2,713,920. This difference is due to the issuance of contract change orders in the total amount of \$269,954.

## CHANGE ORDERS

The work covered by change orders consisted of repairing the surface and applying a coating film to Primary Clarifiers 1 & 4, recoating steel drive plates in Secondary Clarifiers 1, 4 & 6, supplying replacement parts for the primary clarifier mechanisms, and replacing the existing weir gates on Aeration Basins 1-5. Additional items were determined as the original contract work progressed. This work extended the original contract completion date by one year.

The following charts summarize the construction contract authorizations:

### CONSTRUCTION CONTRACT FUNDING SUMMARY

	<b>Base Contract</b>	<b>Change Funds</b>	<b>Total</b>
Initial Authorization	\$2,713,920	\$270,000	\$2,983,920
Final Actual Expenditure	\$2,713,920	\$269,954	\$2,983,874

**TOTAL PROJECT COST SUMMARY**

Design (by Contract & City staff)	\$199,360
Construction Contract	\$2,713,920
Construction Change Order costs	\$269,954
Construction Management/Inspection (by Contract & City staff)	\$223,480
<b>TOTAL</b>	<b>\$3,406,714</b>

Staff recommends that Council accept the work and approve filing of a Notice of Completion.

**SUSTAINABILITY IMPACT:**

Maintenance of the wastewater treatment plant allows the City to continue to provide the highest quality of treatment for the protection of water quality and public health.

**PREPARED BY:** Joshua Haggmark, Acting Principal Engineer/TG/mj

**SUBMITTED BY:** Paul Casey, Acting Public Works Director

**APPROVED BY:** City Administrator's Office