



Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: 10-25-06

Approved

Date

10/30/06

SUBJECT: APPROVAL OF CHANGE ORDER NO. 3 WITH ANDERSON PACIFIC ENGINEERING CONSTRUCTION, INC. FOR THE FILTER INFLUENT AND EFFLUENT FLOW METER REPLACEMENT PROJECT AT THE SAN JOSÉ/SANTA CLARA WATER POLLUTION CONTROL PLANT

RECOMMENDATION

Approval of Contract Change Order No. 3 with Anderson Pacific Engineering Construction, Inc. for the construction project entitled, "San José/Santa Clara Water Pollution Control Plant, FY 2003-2004 Capital Improvement Program, Filter Influent and Effluent Flow Meter Replacement Project," to increase the construction contingency amount by \$13,550 from \$46,700 to \$60,250 for a total contract amount not to exceed \$527,250.

OUTCOME

The approval of this change order will provide funding for the final payment and official completion of the project.

BACKGROUND

On May 25, 2004, Council awarded the construction contract for the Filter Influent and Effluent Flow Meter Replacement Project to Anderson Pacific Engineering Construction, Inc. The scope of work was to replace all eighteen of the twenty-five years old venturi flow tubes with new magnetic-flow meters.

One of the known challenges to this project was the limited time period during which construction could occur. To remove and replace the two largest meters required a shutdown and bypass of the filtration portion of the wastewater treatment process. This could only be done during periods of low influent and low recycled water demand which normally occurs during October and November. This factor, combined with the length of procurement of the flow

meters and contractor's preparation time, limited construction to October and November of 2005.

During this time the contractor encountered coordination obstacles and numerous unforeseen conditions such as shutdown failures due to antiquated faulty valves within the filtration facility. Moreover, once the system was disassembled, it was discovered that certain support apparatus within the two 72" meters could not be reused which forced the design and fabrication of various parts thereby necessitating Change Orders number 2 and 3.

Change Order No. 1 was a City approved change to relocate the flow-meter transmitters and electrical conduits from their initial central location to the individual meter locations in order to ensure more accurate data and optimal location for staff maintenance of equipment.

Change Order No. 2 was necessary to acquire new flange-coupling adapters when, after dismantling the old system, it was discovered that the old ones could not be reused and new flange-coupling adapters were needed for the two 72" meters.

ANALYSIS

Change Order No. 3 is necessary to fabricate new pipe supports to secure the flow-meters when, after dismantling the old system, it was discovered that the old supports could not be reused and new supports were needed for the two 72" meters.

The contractor completed work in November 2005 and submitted the costs for Change Order No. 3 in April 2006. The final punch-list items were completed in June 2006, and upon review and inspection of the final change-order invoice, staff realized that additional funds would be needed to close out the contract.

In order to make the final payment and complete this project, additional contingency funds are needed for Change Order No. 3. The \$13,550 requested would provide the funding to make this final payment.

PUBLIC OUTREACH/INTEREST

Although this action does not meet any of the criteria listed below this memorandum is posted on the City's Council Agenda Website.

- Criteria 1:** Requires Council action on the use of public funds equal to \$1 million or greater;
(Required: Website Posting)

- Criteria 2:** Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City. **(Required: E-mail and Website Posting)**
- Criteria 3:** Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

COORDINATION

This memo and change order have been coordinated with the Offices of the City Attorney, Equality Assurance, Risk Management, and the City Managers Budget Office and is scheduled to be heard at the November 9, 2006 Treatment Plant Advisory Committee meeting.

COST SUMMARY/IMPLICATIONS

1. **AMOUNT OF RECOMMENDATION: \$13,550**

2. **COST OF PROJECT:**

Construction	\$467,000
Contingency	46,700
Change Order #1	20,500
Change Order #2	17,650
Change Order #3	<u>22,100</u>
TOTAL PROJECT COSTS	\$527,250
Prior Year Expenditures:	<u>505,150</u>
REMAINING PROJECT COSTS	\$22,100
Remaining Project Contingency	<u>8,550</u>
RECOMMENDATION	13,550

3. **SOURCE OF FUNDING:** 512 - San José/Santa Clara Treatment Plant Capital Fund

4. **FISCAL IMPACT:** Additional funds for instances such as this recommendation are available in the Unanticipated/Critical Repairs Appropriation within the San José/Santa Clara Treatment Plant Capital Fund.

BUDGET REFERENCE

Fund #	Appn #	Appn. Name	RC #	Total Appn.	Amt. for Contract	2006-2007 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
512	5691	Unanticipated/Critical Repairs	042863	\$250,000	\$13,550	V-157	6/27/2006, Ord. 27665

CEQA

Not applicable.



JOHN STUFFLEBEAN
Director, Environmental Services

For questions, please contact Roland Sun, Senior Engineer, at 945-5488.