



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: February 28, 2012

TO: Mayor and Councilmembers

FROM: Facilities Division, Public Works Department
Water Resources Division, Public Works Department

SUBJECT: Increase In Change Order Authority For The Design Of The El Estero Wastewater Treatment Plant Fats, Oil, And Grease Project

RECOMMENDATION:

That Council authorize an increase in the Public Works Director's Change Order Authority to approve expenditures for extra design work for AECOM Technical Services, Inc., for the El Estero Wastewater Treatment Plant Fats, Oil, and Grease Project in the amount of \$14,027, for a total project expenditure authority of \$101,367.

DISCUSSION:

BACKGROUND

The original scope of work for the El Estero Wastewater Treatment Plant (El Estero) Fats, Oil, and Grease (FOG) Project (Project) consists of designing an injection system to divert FOG materials into El Estero's digesters, thereby reducing the truck trips currently required to haul the material long distances for disposal. Additionally, staff anticipates that the FOG Project will generate an increased amount of methane that can be used for co-generation of heat and electricity. This will result in a reduction of up to 17 metric tons of carbon dioxide-equivalent emissions annually.

On February 2, 2010, Council awarded the design contract to AECOM Technical Services, Inc. (AECOM) in the amount of \$59,400, plus a Change Order Authority of \$5,940, for a total contract amount of \$65,340. On July 13, 2010, Council approved an increase in Change Order Authority by \$22,000, for a total Change Order Authority of \$27,940 and a total contract amount of \$87,340. That change was requested to add redundancies to the design that would prevent down time in the system.

On November 22, 2011, Council approved the Contract for Construction for the FOG Project with Lash Construction, Inc., in the amount of \$572,500.

CURRENT STATUS

The proposed change order increase (see attached) would cover the design support services during construction. These services would include a pre-construction conference and job walk, up to nine (9) submittal reviews and up to four (4) requests for information, construction phase support onsite, and completing As-built drawings.

To design the Project to this updated scope, the Project Change Order Authority would need to be increased by \$14,027.

BUDGET/FINANCIAL INFORMATION:

Staff recommends that the Change Order Authority be increased by \$14,027, from \$27,940 to a total change order authority of \$41,967, to cover additional work identified in this report. If approved, the total Project expenditure authority will be increased to \$101,367.

There are sufficient appropriated funds in the Wastewater Capital Fund to cover the City's portion of the recommended extra work items.

ATTACHMENT: AECOM El Estero FOG Change Order Proposal

PREPARED BY: James Dewey, Facilities and Energy Manager/JW/mh
Christopher Toth, Wastewater System Manager

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

AECOM El Estero FOG Change Order Proposal

Scope of Services – El Estero WWTF FOG Pilot Project – Construction Phase Engineering Support

Our Scope of Work for Construction Phase Services is limited to the specific support tasks noted below, provided on a time and materials basis as directed by the City and according to the attached standard fee schedule. We have assumed that the City will be responsible for the overall management of the construction phase of the project. We have therefore not included comprehensive construction management as part of our scope. If unforeseen site conditions or quality concerns arise as construction proceeds, AECOM can perform additional support and site visits on an as-needed basis to assist with resolving issues and developing solutions in the field. Our fee for these services will not exceed \$14,027 without prior written approval from the City.

TASK 1.0 CONSTRUCTION PHASE ENGINEERING SUPPORT

1.1 Pre-Construction Conference and Job Walk

AECOM will attend a pre construction conference with the City and Contractor's team as they prepare to mobilize for the Project. As part of this effort AECOM will review the plans and specifications with the Contractor to facilitate the Contractor's understanding of the Project.

1.2 Submittal Review & Requests for Information (RFIs)

AECOM will review up to nine (9) submittals at the owner's direction for conformance with specifications. AECOM will provide these services on a time and materials basis at the direction of the City. During the construction phase, AECOM will respond to up to four (4) RFIs. We have assumed that the City's representative will receive and manage the incoming submittal and RFIs from the contractor.

1.3 Construction Phase Support

During the construction phase, AECOM will be onsite for four hours during the first day of field work, for four hours during one progress visit during construction, and for four hours for one final visit to evaluate the near completed facilities to evaluate general compliance and/or identify discrepancies and deficiencies in the work performed by the Contractor. The Contractor has sole responsibility for compliance with safety requirements.

1.4 As-Built Drawings

AECOM will review the project as-built drawings produced by the Contractor and confirm that drawings reflect the current project conditions and prepare one set of electronic record drawings.

AECOM
FEE SCHEDULE FOR PROFESSIONAL SERVICES
Effective January 1, 2011

Engineers, Planners, Architects, Scientists:

Assistant I	\$ 100.00 per hour
Assistant II	\$ 110.00 per hour
Associate	\$ 130.00 per hour
Senior I	\$ 155.00 per hour
Senior II	\$ 165.00 per hour
Managing Engineer	\$ 185.00 per hour
Principal	\$ 210.00 per hour

Construction Administration Personnel:

Resident Project Representative	\$ 115.00 per hour
Senior Resident Project Representative	\$ 125.00 per hour
Resident Engineer	\$ 150.00 per hour
Construction Services Manager	\$ 200.00 per hour

Technical Support Staff:

Clerical/General Office	\$ 75.00 per hour
Drafter/CADD Technician	\$ 72.00 per hour
Assistant CADD Operator	\$ 84.00 per hour
Designer/CADD Operator	\$ 95.00 per hour
Senior Designer/Design CADD Operator	\$ 110.00 per hour
Design/CADD Supervisor	\$ 125.00 per hour

General Project Expenses ^{1/}

8% of Labor

Direct Project Expenses

Other Reproduction (8 1/2 x11/11x17 Color)	\$1.15/1.50 per page
Plan Sheet Printing - In House Bond/Vellum/Mylar	\$3.00/4.00/7.00 per sheet
Subcontracted Services/Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Auto Mileage for Construction Phase Services	\$0.60 per mile
Travel & Subsistence (other than mileage)	Cost
Miscellaneous Materials	Cost + 10%

If authorized by the Client, an overtime premium multiplier of 1.5 may be applied to the billing rate of hourly personnel who work overtime in order to meet a deadline which cannot be met during normal hours.

Applicable sales tax, if any, will be added to these rates. Invoices will be rendered monthly. Payment is due upon presentation. A late payment finance charge of 1.5% per month (but not exceeding the maximum rate allowable by law) will be applied to any unpaid balance commencing 30 days after the date of the original invoice.

Fee schedule is subject to change annually.

^{1/} *Includes mail, telephone, fax, office photo copies, personal computers and mileage (except as noted).*