



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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December 2, 2008

IN REPLY PLEASE

REFER TO FILE: **C-1**

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**CHANGES IN WORK FOR PUBLIC WORKS CONTRACTS
CITIES OF ARTESIA, BELL, COMMERCE, CUDAHY, DOWNEY, LONG BEACH,
LYNWOOD, MONTEBELLO, SOUTH GATE, AND VERNON AND IN THE
UNINCORPORATED COMMUNITIES OF CASTAIC AND SUNLAND
(SUPERVISORIAL DISTRICTS 1, 2, 4, AND 5)
(3 VOTES)**

SUBJECT

This action is to approve changes in work and the increased contract amounts for public works construction contracts in the Cities of Artesia, Bell, Commerce, Cudahy, Downey, Long Beach, Lynwood, Montebello, South Gate, and Vernon and in the unincorporated communities of Castaic and Sunland.

IT IS RECOMMENDED THAT YOUR BOARD:

Find that the requested changes in work have no significant effect on the environment and approve the increased contract amounts and the changes for the following construction contracts:

- Project ID No. RDC0014619 - Truck Impacted Intersection Project, Groups A & B, Phase I, to construct intersections and medians, modify and synchronize traffic signals, and install striping and pavement markings, Cities of Bell, Commerce, Cudahy, Montebello, South Gate, Vernon, Lynwood, Artesia, Downey, and Long Beach (1, 2, and 4), Alliance Streetworks, Inc., for various miscellaneous changes required to complete the work as intended, with an increase in the contract amount of \$92,288.24.

- Project ID No. RDC0014704 - Interstate 5/Hasley Canyon Road Interchange, to reconstruct a freeway interchange, unincorporated community of Castaic (5), Security Paving Company, Inc., for various miscellaneous changes required to complete the work as intended, with an increase in the contract amount of \$130,455.43.

IT IS RECOMMENDED THAT YOUR BOARD ACTING AS THE GOVERNING BODY OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT:

Find that the requested changes in work have no significant effect on the environment and approve the increased contract amounts and the changes for the following construction contracts:

- Project ID No. WRDD000005 - Big Tujunga Dam Seismic Rehabilitation and Spillway Modification, to construct arch dam, spillway, abutment wall, control house, and generator buildings; perform excavation, grouting, electrical instrumentation, and plumbing work; and install penstocks, butterfly and jet flow-valves, and a generator system, in the unincorporated community of Sunland (5), Shimmick Construction Company, Inc., for variations in bid quantities, an automatic audible alarm, remove debris and concrete ledges, increase allowance for partnering meetings, and procure office supplies, with an increase in the contract amount of \$998,702.68.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to obtain your Board's approval for changes in public works contracts in support of the timely completion of the projects while avoiding delays and the potential for claims. The descriptions of the changes, estimated costs, and the necessary time extensions are listed in the attachment for each contract.

The Director of Public Works has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Attached for your authorization are changes in work in excess of my delegated limits, which are required to complete Project ID Nos. RDC0014619, RDC0014704, and WRDD000005.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provision of Service Excellence (Goal 1) and Community Services (Goal 6). Approval of these changes will provide improved infrastructure to better serve the public and enhance the quality of life in the affected communities.

FISCAL IMPACT/FINANCING

These changes in work will have no impact to the County General Fund.

The estimated change order amounts for these contracts range from increases of \$92,288.24 to \$998,702.68.

Sufficient funds are available in the Board-approved appropriations for each of the respective projects to cover the costs of the requested changes. Detailed cost breakdowns for each of the changes, together with contract cost summaries, are included in the attachments.

If these changes in work are not approved, contract completion will be delayed and increased costs incurred.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

Each of the subject contracts for the construction of public works improvements was awarded by your Board to the lowest responsible bidder in accordance with the California Public Contract Code, your Board's directives, and as recommended by the Director of Public Works or her designee.

ENVIRONMENTAL DOCUMENTATION

The changes in work as described above and in the attachments do not change any conditions which resulted in the original environmental findings.

The Honorable Board of Supervisors
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CONTRACTING PROCESS

Each contract provides that the contractor be compensated for the work resulting from changes to the original plans and specifications or changed conditions encountered during the course of construction. The costs are based on contract unit prices, time and materials, or negotiated under the provisions of the contract specifications. The methods for arriving at the costs of the changes are included in the attachments.

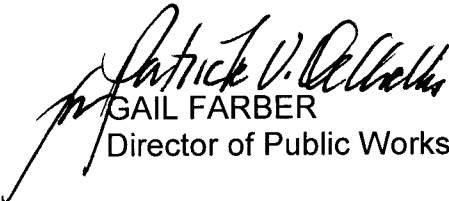
IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the requested changes by your Board will ensure the timely completion of work under each of the respective contracts and result in complete and usable facilities.

CONCLUSION

Please return one adopted copy of this letter to the Department of Public Works, Construction Division.

Respectfully submitted,


GAIL FARBER
Director of Public Works

GF:JTS:ss

Attachments (3)

c: Chief Executive Office (Lari Sheehan)
County Counsel
Office of Affirmative Action Compliance

CHANGE IN WORK (AUTHORIZE)
December 2, 2008

PROJECT ID NO. RDC0014619 - TRUCK IMPACTED INTERSECTION PROJECT, GROUPS A & B, PHASE I (Cities of Bell, Commerce, Cudahy, Montebello, South Gate, Vernon, Lynwood, Artesia, Downey, and Long Beach) Supervisorial Districts 1, 2, and 4, Contractor: Alliance Streetworks, Inc.

Project Description:

Construction of Portland Cement Concrete intersections and medians, modification and synchronization of traffic signals, installation of striping and pavement markings, and other appurtenant work.

Changes in Work:

(1) Variations in Bid Quantities	\$(32,756.45)
(2) Electronic Message Boards	24,840.00
(3) Additional Traffic Controls	13,926.84
(4) Temporary Traffic Signal Wiring	7,235.49
(5) Pavement Design Modifications	19,331.66
(6) Replace Catch Basin	6,000.00
(7) Coldmill AC Pavement	18,000.00
(8) Replace Underground Conduits	<u>35,710.70</u>
Total	\$ <u>92,288.24</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The decrease in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) It will be necessary for the contractor to furnish and install four electronic message boards to inform motorists of traffic conditions. This work is not shown on the plans.

(3) It will be necessary for the contractor to provide additional traffic control in the form of a flagman to direct traffic at the intersection of Slauson Avenue and Telegraph Road as requested by the Cities of Commerce and Montebello. The contractor has agreed to

cover 50 percent of the cost of the flagman who will also be used to direct the movement of construction equipment in the construction area. This work is not shown on the plans.

(4) It will be necessary for the contractor to provide temporary wiring for the traffic signals to assist the flow of traffic through the intersection of Slauson Avenue at Telegraph Road. This work is not shown on the plans.

(5) It will be necessary to remove existing pavement and adjust a manhole to meet the intent of the design. This work is not shown on the plans.

(6) It will be necessary to replace an existing catch basin located at the southeast corner of Telegraph Road and Slauson Avenue due to its poor condition. This work is not shown on the plans.

(7) It will be necessary to coldmill asphalt concrete pavement to provide a smooth transition between the new and existing pavement on northbound and southbound lanes of Telegraph Road. This work is not shown on the plans.

(8) It will be necessary to replace the existing traffic signal conduits in order to construct the new pavement section to the correct depth. This work is not shown on the plans.

The costs for Item 1 and a portion of the cost for Item 5 will be based on contract unit prices. The costs for Items 2, 3, 4, the remainder of Item 5 and a portion of Item 8 will be based on a time and materials basis as provided in Subsection 3-3 of the contract specifications. The costs for Items 6, 7, and the remainder of Item 8 were negotiated as provided in Subsection 3-2 of the contract specifications.

Fourteen additional calendar days will be required because of these changes.

Financial Information:

This project is entirely within the jurisdictional limits of the Gateway Cities Council of Governments (COG). County-COG Cooperative Agreement 73356 provides for the County to perform the preliminary engineering and administer the construction of the project with the Los Angeles County Metropolitan Authority (MTA) using Federal, State, and MTA funds to finance a portion of the project costs and the COG to finance the remaining share of the project cost. Funding for these changes in work is included in the Fiscal Year 2007-08 Road Fund Budget.

Revised Contract Amount:

Original contract amount	\$5,681,098.40
Changes in work to be authorized	<u>92,288.24</u>
Revised contract amount	<u>\$5,773,386.64</u>

JRP:ss

CHANGE IN WORK (AUTHORIZE)

December 2, 2008

PROJECT ID NO. RDC0014704 - INTERSTATE 5/HASLEY CANYON ROAD INTERCHANGE (in the unincorporated community of Castaic), Supervisorial District 5, Contractor: Security Paving Company, Inc.

Project Description:

Reconstruction of a freeway interchange including drainage structures, retaining walls, bridges, on- and off-ramps, roundabouts, relocation of a waterline, and other appurtenant work.

Changes in Work:

(1) Construct Junction Structure	\$ 2,219.69
(2) Installation of Anchor Bars	6,389.39
(3) Dynamic Pile Monitoring	9,500.00
(4) Temporary Signal and Lighting	5,942.82
(5) Remove and Replace Asphalt Concrete Pavement	16,795.03
(6) Construct Temporary Traffic Lane	15,000.00
(7) Pile Testing Operations	15,000.00
(8) Exploratory Excavations	5,000.00
(9) Additional Grading and Compaction	8,000.00
(10) Construct Open Metal Pipe Inlets	20,896.50
(11) Install Electrical Service Connection	6,000.00
(12) Temporary Traffic Signs and Signals	17,000.00
(13) Pull Boxes	<u>2,712.00</u>
Total	<u>\$130,455.43</u>

Description of Changes:

(1) Your Board previously approved a change in work to construct a junction structure to connect new drainage work to the existing system. The cost of this work will exceed the original estimate by the amount shown.

(2) Your Board previously approved a change in work to install anchor bars on the piles to secure reinforcing steel to the piles. The cost of this work will exceed the original estimate by the amount shown.

- (3) Your Board previously approved a change in work to hire a consultant to perform dynamic monitoring during pile driving operations. The cost of this work will exceed the original estimate by the amount shown.
- (4) Your Board previously approved a change in work to install a temporary traffic signal at the intersection of Sedona Way and The Old Road to provide adequate traffic flow and a temporary lighting system at the new Hasley Canyon Road southbound off-ramp to provide adequate lighting for motorists. The cost of this work will exceed the original estimate by the amount shown.
- (5) To make a proper transition between existing and new asphalt concrete pavement along the Interstate 5 Freeway southbound shoulder, it will be necessary to remove and replace a portion of the existing pavement.
- (6) To minimize traffic disruptions to motorists, a temporary left-turn lane will be constructed on The Old Road onto Sedona Way. This work includes grading, paving, striping and installation of additional traffic signs.
- (7) The contract specifications require performing tests to evaluate the quality of the concrete placed in the cast-in-drilled-hole piles. However, there is no pay item for this work. It will be necessary to compensate the contractor to hire a consultant to perform this testing.
- (8) To verify the depth and location of existing utilities, it will be necessary for the contractor to perform exploratory excavations. This work is not shown on the plans.
- (9) To achieve the final grade elevation behind the retaining wall along the Interstate 5 southbound on-ramp at Hasley Canyon Road, it will be necessary for the contractor to perform additional grading and compaction. This work is not shown on the plans.
- (10) It will be necessary for the contractor to construct the inlet drainage system shown on the plans in accordance with Caltrans Standard Plans. This work is not shown in the plans.
- (11) It will be necessary to extend the conduit from the electrical cabinet to the pull box at the intersection of The Old Road and Live Oak Road. This work is not shown on the plans.
- (12) To increase visibility, it will be necessary to modify the temporary traffic signal heads and traffic signs at the intersection of Hasley Canyon Road and The Old Road.
- (13) It will be necessary to replace the traffic bearing pull boxes specified in the project plans with the corresponding ones specified in the Caltrans Standard Plans.

The costs for Items 1 through 4, 6 through 9, 11, 12, and a portion of the cost for Item 5 will be based on time and materials as provided in Subsection 3-3 of the contract specifications. The balance of the costs for Item 5 and a portion of the costs for Item 10 will be based on contract unit prices. The balance of the cost for Item 10 and the cost for Item 13 were negotiated as provided in Subsection 3-2 of the contract specifications.

No additional working days will be required because of these changes.

Financial Information:

Funding for these changes in work is included in the Fiscal Year 2008-09 Road Fund Budget with reimbursement from the Castaic Bridge and Major Thoroughfare Construction Fee District fees, Tesoro De Valle Project Regional Transportation fees, Los Angeles County Metropolitan Transportation Authority's Call for Projects grand funds, Newhall Land and Farming Company, and Caltrans.

Revised Contract Amount:

Original contract amount	\$32,219,937.95
Changes in work previously approved by your Board	189,767.05
Changes in work to be authorized	<u>130,455.43</u>
Revised contract amount	<u>\$32,540,160.43</u>

AD:en

CHANGE IN WORK (AUTHORIZE)
December 2, 2008

PROJECT ID NO. WRDD000005 - BIG TUJUNGA DAM SEISMIC REHABILITATION AND SPILLWAY MODIFICATION (in the unincorporated community of Sunland), Supervisorial District 5, Contractor: Shimmick Construction Company, Inc.

Project Description:

Construction of thick arch dam, spillway, abutment wall, control house and generator buildings; perform common excavation, rock excavation, consolidation grouting, electrical and instrumentation work, plumbing work; install penstocks, butterfly and jet flow valves, a generator system, and other appurtenant work.

Changes in Work:

(1) Variations in Bid Quantities	\$882,436.25
(2) Allowance for Partnering Meetings	20,000.00
(3) Provide Uplift Monitoring with Audible Alarm	50,000.00
(4) Remove Debris at Base of Dam	25,000.00
(5) Remove Concrete Ledges	16,266.43
(6) Procure Office Supplies	<u>5,000.00</u>
Total	<u>\$998,702.68</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities. The actual quantities will exceed the estimated quantities by more than 25 percent.

(2) Your Board previously approved a change in work to increase the allowance for partnering meetings to cover the actual costs previously incurred. The cost of these meetings will exceed the estimate by the amount shown.

(3) The California Department of Water Resources, Division of Safety of Dams (DSOD), requires the use of an automatic, audible alarm as a feature of the equipment to be used for monitoring uplift of the foundation during grouting operations. The amount shown represents the estimated difference between the DSOD's equipment requirement and the specifications equipment requirement.

(4) During excavation of the dam foundation, a variety of debris from past construction activities was encountered. It will be necessary to remove this debris to properly prepare the dam foundation. This work was not shown on the plans.

(5) It will be necessary to remove existing concrete ledges that run along the lower portions of the east training wall and the north access barrier wall. These ledges interfere with construction of proposed walls. This work is not shown on the plans.

(6) It will be necessary to establish an allowance to reimburse the contractor for future costs that may be incurred to procure necessary office supplies for the field office. The contractor will be directed to procure supplies if obtaining them through their procurement process would result in delays that negatively impact administration of the contract.

A portion of the costs for Item 1 was based on contract unit prices. The remainder of the costs for Item 1 and the cost for Item 5 were negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 2, 3, 4, and 6 will be based on time and material as provided in Subsection 3-3 of the contract specifications.

No additional working days will be required because of these changes.

Financial Information:

Funding for these changes in work is included in the Flood Control District Budget for Fiscal Year 2008-09.

Revised Contract Amount:

Original contract amount	\$88,533,680.00
Changes in work previously approved by your Board	1,082,008.00
Changes in work to be authorized	<u>998,702.68</u>
Revised Contract Amount	<u>\$90,614,390.68</u>

HH:ss