



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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IN REPLY PLEASE
REFER TO FILE: **C-1**

November 23, 2004

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 CONTRACT
ALL SUPERVISORIAL DISTRICTS
3 VOTES**

IT IS RECOMMENDED THAT YOUR BOARD:

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

Project ID No. APT4088911 (Capital Project GPC88911) - Fox Airfield Water System Upgrade, City of Lancaster (5), Sierra Cascade Construction, Inc., in amount of \$140,076.56.

Project ID No. FCC0000564 - Buena Vista Channel Improvements, City of Irwindale (1), SEMA Construction, Inc., in amount of \$79,000.00.

Project ID No. FCC0000627 - Santa Fe Reservoir Spreading Grounds Horse Trail Modifications, Cities of Irwindale and Duarte (1 and 5), 4-Con Engineering, Inc., in amount of \$48,550.00.

Project ID No. FCC0000783 - Dominguez Gap Barrier Project, Phase 4A, Unit 7B, Part 2B, Cities of Carson, Long Beach, and Los Angeles (2 and 4), Mladen Buntich Construction Co., Inc., in amount of \$246,422.66.

Project ID No. FCC0000804 - Hollyhills Drain, Unit 8B, (Phase I), Cities of West Hollywood and Los Angeles (3), Mladen Buntich Construction Co., Inc., in amount of \$548,275.00.

Project ID No. RDC0013931 - Cornell Road, vicinity of Agoura Hills (3), Sully-Miller Contracting Company, in amount of \$48,497.82.

Project ID No. RDC0014170 - Washington Boulevard at Norwalk Boulevard, vicinity of Santa Fe Springs (1), Steiny and Company, Inc., in amount of \$23,627.73.

Project ID No. TSM0010010 - Huntington Drive, et al., vicinities of Rosemead, Arcadia, Monrovia, and San Gabriel (1 and 5), C. T. & F., Inc., in amount of \$17,158.00.

Project ID No. WWD2900002 - Encinal Canyon Road Water Main Replacement Phase I, City of Malibu (3), A. A. Portanova & Sons, Inc., in amount of \$9,360.00.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This action is to obtain Board 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 necessary time extensions are listed in the enclosure for each contract.

The Interim Director of Public Works has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Enclosed for your ratification are changes in work which I ordered for Project ID No. WWD2900002. Also enclosed for your authorization are changes in work in excess of my delegated limits which are required to complete Project ID Nos. APT4088911, FCC0000564, FCC0000627, FCC0000783, FCC0000804, RDC0013931, RDC0014170, and TSM0010010.

Implementation of Strategic Plan Goals

Approval of these changes in work, which are necessary to satisfactorily complete the projects, is consistent with the County Strategic Plan Goal of Service Excellence since the improved infrastructure will better serve the public.

FISCAL IMPACT/FINANCING

The estimated change order amounts for these contracts range from \$9,360.00 to \$548,275.00.

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

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The subject contract 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 Interim Director of Public Works.

ENVIRONMENTAL DOCUMENTATION

The changes in work as described above and in the enclosure are within the limits of the original Board-approved project and do not change any conditions which resulted in the original environmental finding.

CONTRACTING PROCESS

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

IMPACT ON CURRENT SERVICES (OR PROJECTS)

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

The Honorable Board of Supervisors
November 23, 2004
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CONCLUSION

Please return one approved copy of this letter to Public Works.

Respectfully submitted,

DONALD L. WOLFE
Interim Director of Public Works

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cc: Chief Administrative Office
County Counsel
Office of Affirmative Action Compliance

CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. APT4088911 (CAPITAL PROJECT GPC88911), FOX AIRFIELD
WATER SYSTEM UPGRADE (City of Lancaster), Supervisorial District 5,
Contractor: Sierra Cascade Construction, Inc.

Project Description:

Construction of 12" and 16" cast iron or steel water mains.

Changes in Work:

(1) Additional Excavation and Shoring Work	\$ 2,031.86
(2) Exploratory Excavations	6,000.00
(3) Hydro-Pneumatic Tank	118,042.70
(4) Exploratory Excavations for Waterlines	<u>14,002.00</u>
Total	<u>\$140,076.56</u>

Description of Changes:

(1) The connection point for the new waterline is deeper than shown on the plans. It will be necessary to perform additional excavation and provide additional shoring.

(2) It will be necessary to have the contractor perform exploratory excavations to confirm the locations and depths of existing utilities which cross the new waterlines. These utilities are not shown on the plans.

(3) It will be necessary to have the contractor replace the existing hydro-pneumatic pressure tank which is over 30 years old and cannot be reused. This tank ensures adequate water pressure in the system to provide for fire protection and irrigation at Apollo Park.

(4) It will be necessary to have the contractor perform exploratory excavations to determine the exact depths and locations of the existing waterline and reclaimed waterline. The locations and depths shown on the plans are inaccurate.

The costs for Items 1 and 4 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications. The cost for Item 2 is stipulated in the contract specifications. The cost for Item 3 was negotiated as provided in Subsection 3-2 of the contract specifications.

Necessary funds for these changes will be funded from the Aviation Capital Projects Fund.

Thirty-six additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$516,347.70
Changes in work to be authorized	<u>140,076.56</u>
Revised contract amount	<u>\$656,424.26</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. FCC0000564, BUENA VISTA CHANNEL IMPROVEMENTS
(City of Irwindale), Supervisorial District 1, Contractor: SEMA Construction, Inc.

Project Description:

Replacement of an existing concrete trapezoidal channel with a rectangular reinforced concrete channel and reinforced concrete double-box conduit of greater capacity, the construction of an access road and invert access ramp, and other appurtenant work.

Change in Work:

Additional Asphalt Concrete and Crushed Miscellaneous Base \$79,000.00

Description of Change:

Additional quantities of asphalt concrete pavement and crushed miscellaneous base will be required in order to complete the project per plan. It will be necessary to compensate the contractor for this work. The cost for this change will be based on contract unit prices.

Five additional working days will be required because of this change.

Revised Contract Amount:

Original contract amount	\$4,502,718.20
Changes in work previously approved by the Board	53,754.26
Change in work to be authorized	<u>79,000.00</u>
Revised contract amount	<u>\$4,635,472.46</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. FCC0000627, SANTA FE RESERVOIR SPREADING GROUNDS
HORSE TRAIL MODIFICATIONS (Cities of Irwindale and Duarte),
Supervisory Districts 1 and 5, Contractor: 4-Con Engineering, Inc.

Project Description:

Construction of a reinforced concrete channel, an 18" reinforced concrete pipe, wall gutter, an inlet structure, an outlet structure with grouted riprap invert, and a composite riding surface horse trail, and installation of chainlink fence and cable railings.

Changes in Work:

(1) Remove Extra Thick Grouted Riprap	\$11,500.00
(2) Remove Buried Concrete	13,550.00
(3) 18" RCP Realignment	3,000.00
(4) Construct 18" RCP Collars	600.00
(5) Horse Trail Extension	13,000.00
(6) Debris Clean Up	6,500.00
(7) Removal of Concrete Footing	<u>400.00</u>
Total	<u>\$48,550.00</u>

Description of Changes:

(1) The plans call for removing an existing 1.5-foot thick section of grouted riprap. The actual field measurements reveal that the riprap thickness varies from 2' to 6'. It will be necessary to compensate the contractor for additional removals.

(2) In order to install an 18" reinforced concrete pipe in accordance with the plans, it will be necessary for the contractor to remove two concrete walls that were found buried under the surface. This work is not shown on the plans.

(3) To avoid conflict with an existing bridge abutment, it will be necessary to realign the proposed 18" reinforced concrete pipe. This work is not shown on the plans.

(4) Because of field conditions, the alignment of a proposed 18" reinforced concrete pipe must be changed. As a result, it will be necessary to construct concrete pipe collars at two locations. This work is not shown on the plans.

(5) In order to meet the intent of the design, it will be necessary for the contractor to extend the horse trail from Station 32+18 to Station 34+69. This work is not shown on this plans.

(6) In order to construct the horse trail under the 210 Freeway bridge, it will be necessary to remove and dispose of accumulated debris and trash. This work is not shown on the plans.

(7) In order to construct the proposed channel invert per plans, it will be necessary for the contractor to remove the existing concrete footing that interferes with his work. This work is not shown on the plans.

The costs for Items 1 through 3 and 5 through 7 will be based on time and materials methods as provided in Subsection 3-3 of contract specifications. The cost for Item 4 was negotiated as provided in Subsection 3-2 of the contract specifications.

Eighteen additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$344,534.50
Changes in work to be authorized	<u>48,550.00</u>
Revised contract amount	<u>\$393,084.50</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. FCC0000783, DOMINGUEZ GAP BARRIER PROJECT, PHASE 4A, UNIT 7B, PART 2B (Cities of Carson, Long Beach, and Los Angeles),
Supervisory Districts 2 and 4, Contractor: Mladen Buntich Construction Co., Inc.

Project Description:

Construction of a water supply system, a compressed air system, a microfiltration treatment system, and an electrical system to service 34 injection wells currently under construction. The injection wells are an extension of the Dominguez Gap Barrier Project which prevents the infiltration of seawater into groundwater aquifers.

Changes in Work:

(1) Vault Control System Modifications	(\$ 7,359.66)
(2) Groundwater Dewatering and Disposal	39,000.00
(3) Extended Use of Field Offices	59,235.00
(4) Downhole Sensors Modifications	9,133.00
(5) Storage Tank Float	5,408.00
(6) Supply Line Pressure Gauges	192.00
(7) Provide Larger Storage Tank Transfer Pump	2,347.00
(8) Install Orifice Restrictors	33,310.00
(9) Additional Programming	5,000.00
(10) Power Usage	6,755.93
(11) Programming Changes and Modifications to Storage Tanks	1,950.00
(12) Waterline Interference	14,470.39
(13) Install and Test Orifice Plate	5,217.00
(14) Install Bypass System for Microfiltration System	2,000.00
(15) Air Vacuum Seat Gaskets	2,500.00
(16) Install PH Meter	2,000.00
(17) Install Additional Cathodic Protection	<u>65,264.00</u>
Total	<u>\$246,422.66</u>

Description of Changes:

(1) Your Board previously approved a change in work to replace the proposed 120-volt AC solenoids with 24-volt DC solenoids on the pneumatic valve controls. The cost for this work will be less than the original estimate by the amount shown.

(2) Your Board previously approved a change in work to haul groundwater discharge to an off-site location. The cost for this work will exceed the original estimate by the amount shown.

(3) Your Board previously approved a change in work to maintain and staff the field offices for both the contractor and the Department until the end of the project. The cost for this work will exceed the original estimate by the amount shown.

(4) In order for the injection wells to work properly, it will be necessary to perform modifications to the downhole sensors.

(5) In order for the storage tank to function properly, it will be necessary to install an additional float at each of the wells. This work was not shown on the plans.

(6) Your Board previously approved a change in work to install low-point relief drains, pressure gauges, and valve position indicators in the vaults that house the pressure reduction valves. The cost for this work will exceed the original estimate by the amount shown.

(7) Your Board previously approved a change in work to install a new transfer pump to provide adequate flows to the microfiltration plant. The cost for this work will exceed the original estimate by the amount shown.

(8) Your Board previously approved a change in work to install orifice restrictors in all 33 recharge wells. The cost for this work will exceed the original estimate by the amount shown.

(9) Your Board previously approved a change in work to perform additional programming at each well and at the main data concentrator. The cost for this work will exceed the original estimate by the amount shown.

(10) Your Board previously approved a change in work to reimburse the contractor for the cost of electricity incurred during testing new equipment at the Dominguez Yard and Intermodal Way. The cost for this work will exceed the original estimate by the amount shown.

(11) In order for the storage tanks to function automatically, it will be necessary to perform additional modifications and programming changes. This work was not shown on the plans.

(12) During excavation operations, the contractor encountered a waterline and a storm drain that were not shown on the plans. It will be necessary to compensate the contractor for delay costs incurred due to these unmarked utilities. Also, in order to avoid future conflicts with existing utilities, it will be necessary to perform additional exploratory excavations.

(13) In order to prevent costly system modifications in the future, it will be necessary to assemble and test one orifice restrictor plate.

(14) To prevent storm water from entering the microfiltration system, it will be necessary to install a bypass system. This work was not shown on the plans.

(15) In order for the air vacuum valve-seat gaskets to seal properly, it will be necessary to replace them with softer ones.

(16) In order to meet the design requirements, it will be necessary to install a PH meter at the microfiltration system. This work was not shown on the plans.

(17) It will be necessary to install additional cathodic protection on various components of the system. This work was not shown on the plans.

The costs for Items 1 through 5 were negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 6 through 17 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Three additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$11,845,221.00
Changes in work previously approved by the Board	1,734,692.16
Changes in work to be authorized	<u>246,422.66</u>
Revised contract amount	<u>\$13,826,335.82</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. FCC0000804, HOLLYHILLS DRAIN, UNIT 8B, (PHASE I) (Cities of West Hollywood and Los Angeles), Supervisorial District 3,
Contractor: Mladen Buntich Construction Co., Inc.

Project Description:

Construction of a reinforced concrete pipe storm drain, dewatering, treatment and disposal of groundwater, and other appurtenant work.

Changes in Work:

(1) Mill Lane Emergency Storm Drain Repairs	\$398,500.00
(2) Full Replacement of the Mill Lane Storm Drain, Utility repairs, and Street Restoration	<u>149,775.00</u>
Total	<u>\$548,275.00</u>

Description of Changes:

(1) The City of San Marino requested the Department to shore up a damaged storm drain to provide flood protection to several residences caused by failure to a City drain in Mill Lane during a storm on October 20, 2004. Additional measures were requested to secure the area from flooding based on the forecast for another storm on October 26, 2004. In order to expedite the work, a change order to an existing contract was negotiated as approved by your Board on October 26, 2004.

(2) Following approval of the work requested above, the City requested that the damaged storm drain be removed entirely and reconstructed. This work will include repair of utilities and reconstruction of the roadway.

A portion of the cost for Item 1 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications. The balance of the cost for Item 1 and the cost for Item 2 were negotiated as provided in Subsection 3-2 of the contract specifications.

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

Revised Contract Amount:

Original contract amount	\$5,654,160.00
Changes in work to be authorized	<u>548,275.00</u>

Revised contract amount	<u>\$6,202,435.00</u>
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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. RDC0013931, CORNELL ROAD (in the vicinity of Agoura Hills),
Supervisorial District 3, Contractor: Sully-Miller Contracting Company

Project Description:

Resurfacing and reconstruction of roadway pavement, construction of guardrail and terminal systems, and installation of striping and pavement markings.

Changes in Work:

(1) Variations in Bid Quantities	(\$ 801.18)
(2) Additional Roadway Reconstruction	37,799.00
(3) Widen Inverted Asphalt Roadway Shoulder	<u>11,500.00</u>
Total	<u>\$48,497.82</u>

Description of Changes:

(1) The original contract amount was 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) Additional sections of the roadway pavement within the project limits are in very poor condition and must be reconstructed. This work will be performed prior to paving the roadway and is needed in order to provide a solid base for the new pavement and improve drainage conditions. This work is not shown on the project plans.

(3) In order to properly control runoff during heavy rain, it will be necessary to widen portions of the existing inverted asphalt roadway shoulder along Cornell Road. This work was not shown on the plans.

The costs for Item 1 and a portion of the cost for Item 2 will be based on contract unit prices. The balance of the cost for Item 2 and the cost for Item 3 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Thirteen additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$399,634.65
Change in work to be authorized	<u>48,497.82</u>
Revised contract amount	<u>\$448,132.47</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. RDC0014170, WASHINGTON BOULEVARD AT NORWALK BOULEVARD (in the vicinity of Santa Fe Springs), Supervisorial District 1,
Contractor: Steiny and Company, Inc.

Project Description:

Installation of traffic signals and striping and pavement markings and construction of curb, sidewalk, and curb ramps.

Change in Work:

Traffic Signal Materials	\$23,627.73
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Description of Change:

It will be necessary to reimburse the contractor for providing the traffic signal poles, signal mast arms, and luminaire mast arms originally to be supplied by the Department. The Department was not able to provide these materials in enough time to meet deadlines. The cost for this work will be based on time and materials method as provided in Subsection 3-3 of the contract specifications.

Twenty additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$107,827.70
Changes in work to be authorized	<u>23,627.73</u>
Revised contract amount	<u>\$131,455.43</u>

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CHANGE IN WORK (AUTHORIZE)
November 23, 2004

PROJECT ID NO. TSM0010010, HUNTINGTON DRIVE, ET AL. (in the vicinities of Rosemead, Arcadia, Monrovia, and San Gabriel), Supervisorial Districts 1 and 5, Contractor: C. T. & F., Inc.

Project Description:

Modification and synchronization of traffic signals.

Changes in Work:

(1) Variations in Bid Quantities	\$ 8,833.00
(2) Cold Mill and Place AC Pavement	7,025.00
(3) Global Positioning System Unit and Antenna	650.00
(4) Photo Cell	<u>650.00</u>
Total	<u>\$17,158.00</u>

Description of Changes:

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

(2) A section of the pavement of the left-turn lane between the median island at the west approach of Huntington Drive and Michillinda Avenue is badly deteriorated. It will be necessary to have the contractor cold mill and repave before new traffic loops can be installed. This work is not shown on the plans.

(3) In order to achieve the designed traffic synchronization, it will be necessary to install a GPS unit and antenna at the Caltrans facility north of the 10 Freeway at Rosemead Boulevard. This work is not shown on the plans.

(4) In order to meet the intent of the design, it will be necessary to install a photo cell to illuminate the street name sign and add a circuit breaker to the existing electrical service at the intersection of Huntington Drive and Fifth Avenue. This work is not shown on the plans.

The costs for Item 1 will be based on contract unit prices. The cost of Item 2 will be based partially on time and materials methods as provided in Subsection 3-3 of the contract specifications and partially negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 3 and 4 will be based on time and material methods as provided in Subsection 3-3 of the contract specifications.

Six additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$1,364,107.91
Changes in work previously approved by the Board	249,879.32
Changes in work to be authorized	<u>17,158.00</u>
Revised contract amount	<u>\$1,631,145.23</u>

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CHANGE IN WORK (RATIFY)
November 23, 2004

PROJECT ID NO. WWD2900002, ENCINAL CANYON ROAD WATER MAIN
REPLACEMENT PHASE I (City of Malibu), Supervisorial District 3,
Contractor: A. A. Portanova & Sons, Inc.

Project Description:

Construction of a 12" steel water main and other appurtenant work.

Changes in Work:

(1) Exploratory Excavation	\$7,750.00
(2) Caltrans Permit	1,022.00
(3) Install Water Service	<u>588.00</u>
Total	<u>\$9,360.00</u>

Description of Changes:

(1) It will be necessary to have the contractor perform exploratory excavations to determine the location of existing utilities.

(2) It will be necessary to reimburse the contractor for the cost of the Caltrans Encroachment Permit as required by the contract specifications.

(3) It will be necessary to install a water service connection within the pump vault to be able to take pressure readings at the discharge side of the pump.

A portion of the costs for Item 1 are stipulated in the contract specifications. The balance of the cost for Item 1 and the cost for Item 2 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications. The cost for Item 3 will be negotiated as provided in Subsection 3-2 of the contract specifications.

Five additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$511,739.30
Changes in work to be ratified	<u>9,360.00</u>

Revised contract amount	<u>\$521,099.30</u>
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