

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 179 Suppl. No. 0 Contract No. 04 – 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Lump Sum:

On the Skyway portion of the San Francisco/Oakland Bay Bridge East Span Seismic Safety Project, defined as from Hinge A to Hinge E, replace existing bikepath rail divider panel shims and modify existing emergency access gates. Install a pipe sleeve through the bikepath at the South rail dividers and hand holes for both the North and South rail divider panels. Details of this change order are shown on sheets 3 through 7 and are as follows:

1. Remove all the bikepath rail divider panels and replace existing shims with tapered shims to plumb up the rail and match the existing profile. New shims shall be fabricated to the dimensions shown on the "Alternate Shim Detail" as shown on the plans. The existing bolt caps will need to be cut off, replaced as necessary, and re-tack welded. Bolts shall be snug tight with 19 +/- 3 mm of thread engagement. An additional washer may be added as necessary. Bolts shall be installed with thread locking compound.
2. On the North and South bikepath rail divider panels, install a new access hole with cover plate and gasket. On the South rail divider panels, install a pipe sleeve through the base plate and bikepath deck. On the North rail divider panels, install a new threaded hole for a conduit fitting. Secure the hole with plastic tape or plug to prevent water intrusion if necessary until new conduit is installed by a separate CCO.
3. Remove all existing emergency access gate wheels, gate track (not installed), and gate retainer hardware. Install new angled wheels, angled wheel track, and gate retainer hardware. The refitted emergency gates shall be plumb and operate smoothly. Adjust the gate latch plates as necessary to secure the gates in the closed position. Install a 250 mm galvanized chain link for all emergency gates.

For bikepath rail divider panels taken to the shop for modification, all new and modified steel surfaces shall be cleaned, primed, and finish painted in accordance with Special Provisions Section 10-1.69 "CLEAN AND PAINT STRUCTURAL STEEL." In all other cases, where painting or galvanizing is removed, the steel shall be prime painted or the galvanized repaired to prevent corrosion only. The stainless steel gate track shall not be painted. Touch up of finish paint after installation is not required.

The Contractor shall verify all controlling field dimensions before ordering or fabricating any material or performing any work that may be affected. All removed material shall become the property of the Contractor.

The following revised plan sheets detail the changes addressed in this change order: 1164S11, 1164S12, 1164S13, 1164S14, and 1164S15 (of 1204) as shown on sheets 3 through 7 of this change order.

Disconnect of the existing conduit will be addressed in CCO 163.

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For this work, the Contractor will receive a lump sum price of \$3,065,595.00. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this change.

Extra Work at Lump Sum..... \$3,065,595.00

Estimated Cost: Increase Decrease \$3,065,595.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by
Signature *Kannu Balan* Resident Engineer
Kannu Balan, Senior T.E. Date 8-18-11

Approval Recommended by
Signature *Michael Forner* Principal Transportation Engineer
Michael Forner, Prin. T.E. Date 8-18-11

Engineer Approval by
Signature *Michael Forner* Principal Transportation Engineer
FOR PETE Peter Siegenthaler, Prin. T.E. Date 8-25-11

We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by
Signature *[Signature]* (Print name and title) Date 24 AUG 11
BRIAN A. PETERSEN - PROJECT DIRECTOR