STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 152 **Suppl. No. 2** **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.

Adjustment of Compensation at Lump Sum Price:

Revise Special Provisions Section 10-1.59 "STEEL STRUCTURES," subsection "SHOP WELDING," subsection "General Provisions," Item F No. 2 and 9 as follows:

2. PQR qualification test plates; Plates used to qualify ESW WPSs shall conform to AWS D 1.5, Figure 5.1, except the plates shall have a square butt preparation without steel backing. AWS D1.5, Figure 5.1 shall also qualify ESW "T" weld joints. Test plates shall have sufficient length of weld to allow the machining and testing of eight CVN test specimens. Before preparing mechanical test specimens, the qualification test plate shall be radiographed in conformance with the provisions of AWS D1.5, Clause 6, except that test plates used to qualify ESW WPSs shall also be ultrasonically inspected. Weld quality shall meet the applicable requirements of AWS D1.5, Clause 6.26. Five Charpy V-Notch (CVN) test specimens for the coarse grain heat-affected zone of each thickness of the PQR plates shall be tested at ¼ T thickness and the notch tip shall be located within 1.5 to 2 mm of the weld metal to base metal fusion line. CVN specimens shall meet or exceed 20J @ 4˚C (15 ft-lbs @ 40˚F).

~~9. A Hydrogen Diffusion Postheat at a minimum temperature of 225ºC shall be applied to the completed welds for duration of 6 hours. The Postheat shall be applied after cooling to the ambient temperature.~~

There shall be no change in cost to the Department by reason of this Change Order.

REGISTERED PROFESSIONAL ENGINEER
BRIAN L. MARONEY
No. 39754
Exp 31 December 2013
CIVIL
STATE OF CALIFORNIA

Estimated Cost: **Increase** ☐ **Decrease** ☐ **$0.00**

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

Submitted by

Signature	**Resident Engineer** Kannu Balan, Senior T.E.	**Date** 1-31-12

Approval Recommended by

Signature	**Supervising Bridge Engineer** Richard Morrow, Sup. B.E.	**Date** 1/31/12

Engineer Approval by

Signature	**Supervising Transportation Engineer** William Casey, Sup. T.E.	**Date** 2-8-12

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	(Print name and title) BRIAN A. PETERSEN - PROJECT DIRECTOR	**Date** 04 FEB 12