CONTRACT CHANGE ORDER

Change Requested by: Contractor

CCO: 107 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.

Adjustment of Compensation at Lump Sum:

Perform Ultrasonic Testing (UT) and Magnetic Particle Testing (MT) of transverse splice welds on Orthotropic Box Girders (OBG) Bottom Plate "D." This change replaces the non-destructive testing table in Special Provisions Section 10-1.59, "STEEL STRUCTURES," subsection "INSPECTION AND TESTING," subsection "1. BOX GIRDER," subsection "Transverse splice weld (Bottom plate: D)," and table notes as follows:

COMPONENT		Weld Type			Extent & Type of Testing			Notes
		CJP	PJP	Fillet	RT	UT	MT	
1. BOX GIRDER 1.1 Box Shell								
Transverse splice weld (Deck plate: A)	shop field	X X			5%	100% 100%	 100%	
Transverse splice weld (Side plate: B, F)	shop field	X X			5%	100% 100%	 100%	
Transverse splice weld (Bottom plate: D) ***Steel plate thickness less than or equal to 50 mm***	***shop*** ***field***	***X*** ***X***			***5%***	***100%*** ***100%***	 ***100%***	
Steel plate thickness more than 50 mm	***shop*** ***field***	***X*** ***X***				*********** ***100%***	************ ***100%***	

Notes:

1) Vertical butt joints marked ** in the table shall be tested as follows:
   (a) 1/6 of the web depth beginning at each end of the weld, unless otherwise noted, shall be tested 100%.
   (b) 25% of the remainder shall be tested.

   Welds marked *** in the table shall be tested as follows:
   (a) ¼ of the weld length beginning at each end of the weld shall be tested 100%.
   (b) 25% of the remainder shall be tested.

   Welds marked **** in the table shall be tested as follows:
   (a) ¼ of the weld length beginning at the top of the weld shall be tested 100%.
   (b) 25% of the remainder shall be tested.

   Welds marked ** in the table shall be tested as follows:***
   100% of the weld shall be tested utilizing three scanning angles, 45°, 60°, and 70°, from both faces (A and B face) in lieu of the angles required in Table 6.2, "Scanning Angles," in AWS D1.5:2002.

   Welds marked *** in the table shall be tested as follows:***
   100% of each layer of the weld shall be tested.

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This change order resolves the costs associated with Contractor Request for Information (RFI) number 1046R1 with respect to changes listed above.

This is a no cost change, since the cost for these change order items has been included in CCO 160. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this change.

Adjustment of Compensation at Lump Sum Price.....$0.00

REGISTERED PROFESSIONAL ENGINEER
BRIAN BOAL
No. 044647
Exp. 3/31/12
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** 6-28-11

Approval Recommended by

Signature	**Supervising Bridge Engineer** Brian Boal, Actg. Sup. B.E.	**Date** 1 July 2011

Engineer Approval by

Signature	**Principal Transportation Engineer** Peter Siegenthaler, Prin. T.E.	**Date**

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)	**Date**