

CONTRACT CHANGE ORDER MEMORANDUM

TO: Tony Anziano, Program Manager /			FILE: E.A. 04 - 0120F4	
FROM: William Casey, Supervising TE			CO-RTE-PM SF-80-13.2/13.9	
			FED. NO.	
CCO#: 152	SUPPLEMENT#: 2	Category Code: CHSA	CONTINGENCY BALANCE (incl. this change) \$113,322,445.58	
COST: \$0.00 INCREASE <input type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Hydrogen Diffusion Post Heat Spec.			PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 501 Day(s)	Percentage Time Adjusted: (including this change) 20 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 3

THIS CHANGE ORDER PROVIDES FOR:

Revising Special Provisions Section 10-1.59 "STEEL STRUCTURES," subsection "SHOP WELDING," subsection "General Provisions," Item F Nos. 2 and 9. This change replaces the requirements for Heat Affected Zone (HAZ) Charpy V-Notch impact testing (CVN) that were removed in CCO 152 Supplement 0 and removes the Hydrogen Diffusion Postheat required in CCO 152 Supplement 1.

CCO 152 Supplement 0 revised Special Provisions Section 10-1.59 "Steel Structures," to incorporate and clarify requirements for the Narrow-Gap Improved Electroslag Welding (NGI-ESW) process. CCO 152 Supplement 1 changed the Post Weld Heat Treatment (PWHT) specification made in CCO 152 Supplement 0 to a Hydrogen Diffusion Postheat of 225°C. Significant time has passed since the completion of the welds, therefore applying Hydrogen Diffusion Postheat is unnecessary and irrelevant. Furthermore, additional testing was performed that verified that the Procedure Qualification Record (PQR) welds meet the Heat Affected Zone (HAZ) Charpy V-Notch impact testing (CVN) requirements that were originally in the special provisions for the HAZ testing in Item F No. 2. This additional testing meets the intent of the FHWA reports upon which our NGI-ESW specifications were based.

This Change Order was discussed with the following people, who all concurred with this Change Order:

1. Brian Maroney (Deputy Toll Bridge Program Manager)
2. Ade Akinsanya (Structure Design Oversight, Toll Bridge Program)
3. Ken Terpstra (Project Engineer)
4. Rich Foley (HQ Construction, SAS Oversight)
5. Keith Hoffman (METS)
6. Mazen Wahbeh (METS)

Maintenance concurrence is not required, as the work for this Change Order will not affect future Maintenance operations.

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

No time adjustment is warranted as this change order does not affect the controlling operation.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	Rick Morrow, Sup BE <i>RM</i>	Date 2/14/12		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	CT Oversight, Ade Akinsanya	Date 2/18/11	ITEMS	\$0.00	\$0.00
Project Engineer:	Dep TB Proj Man, Brian Maroney	Date 2/9/11	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:	Proj Manager, Ken Terpstra	Date 2/14/11	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:	HQ, Rich Foley	Date 2/22/11	ADJUSTMENT	\$0.00	\$0.00
Environmental:		Date	TOTAL	\$0.00	\$0.00
Other (specify):	METS, Mazen Wahbeh	Date 2/10/11	FEDERAL PARTICIPATION		
Other (specify):	METS, Keith Hoffman	Date 2/18/11	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:		Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:	<i>[Signature]</i>	Date 1-31-12	FEDERAL FUNDING SOURCE	PERCENT	