

CONTRACT CHANGE ORDER MEMORANDUM

TO: Pete Siegenthaler, Prin TE /			FILE: E.A. 04 - 0120F4	
FROM: Kannu Balan, Senior TE			CO-RTE-PM SF-80-13.2/13.9	
FED. NO.				
CCO#: 152	SUPPLEMENT#: 1	Category Code: CHSA	CONTINGENCY BALANCE (incl. this change) \$171,557,872.11	
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: Electroslag Welding Specs Change			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) 2

THIS CHANGE ORDER PROVIDES FOR:

Revising Special Provisions Section 10-1.59 "STEEL STRUCTURES," subsection "SHOP WELDING," subsection "General Provisions," Item F No. 9.

CCO 152 Supplement 0 revised Special Provisions Section 10-1.59 "Steel Structures," to incorporate requirements for the Narrow-Gap Improved Electroslag Welding (NGI-ESW) process. At the time that CCO 152S0 was written, the recommendation was made to include a Post Weld Heat Treatment (PWHT) of between 500 and 600°F for 24 hours. However, after further expert review, it was felt that there was a risk that this PWHT may have detrimental effects on the weld toughness. It is recommended that this PWHT specification be revised by changing the PWHT to a Hydrogen Diffusion Postheat of 225°C for 6 hours.

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.

The Resident Engineer requests Head Quarters CCO Desk "Issue and Approve".

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CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	PCE, Pete Siegenthaler, Prin TE	Date 2/14/11		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Struct Rep, Rick Morrow, Sup TE	Date 2/14/11	ITEMS	\$0.00	\$0.00
Project Engineer:	CT Oversight, Ade Akinsanya	Date 2/18/11	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:	Dep TB Proj Man, Brian Maroney	Date 2/9/11	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:		Date	FEDERAL FUNDING SOURCE	PERCENT	
		3-15-11	_____	_____	
			_____	_____	