

CONTRACT CHANGE ORDER MEMORANDUM

TO: Mike Forner, Prin. TE / Gary Pursell, P.E., Sup T.E.			FILE: E.A. 04 - 0120F4	
FROM: Gary Pursell, P.E., Sup.T.E.			CO-RTE-PM SF-80-13.2/13.9	
FED. NO.				
CCO#: 57	SUPPLEMENT#: 0	Category Code: CHSA	CONTINGENCY BALANCE (incl. this change) \$134,080,012.40	
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: Weld Strength and Cable Band Sampling			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: 30 Day(s)	Percentage Time Adjusted: (including this change) 1 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 2

THIS CHANGE ORDER PROVIDES FOR:

Revising the Special Provisions Section 10-1.59, "STEEL STRUCTURES" subsection "Welding of HPS 485W Steels," to provide a minimum tensile strength requirement of 600 MPa if the failure is initiated in the weld metal and 585 MPa if the failure is initiated in the base metal, in lieu of the 620 MPa requirement, in the post weld heat-treated condition for the deviation saddles.

Revise Section 10-1.60, "CABLE SYSTEM" subsection "Cable Band Bolts," of the Special Provisions to provide a minimum of one bolt per heat treatment lot for cable band bolt testing.

The welding electrodes are commonly certified to a minimum tensile strength of 620 MPa but heat treatment is not considered. Presently, there are no AISI certified weld electrodes that meet the 620 MPa requirements for the post heat-treated condition. This change will allow the tensile strength to be reduced to a 600 MPa requirement, which is both achievable and sufficient for this application.

The Special Provisions require the Contractor to provide 30 cable band bolts per mill heat for testing. All 1,400 bolts are from a single heat, which will result in only 30 bolts being tested. This change will amend the Special Provisions to require the Contractor to provide a minimum of one bolt per heat treatment lot, which is estimated to be 40 lots. This change will provide a more uniform sampling of the cable band bolts to be tested and mitigate schedule risk of bolt failure.

This change order is done as a no cost change. A detailed cost analysis is in the project files.

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

This change order has concurrence from Gary Pursell (Resident Engineer), Rick Morrow (Sup. Structure Rep), Mike Forner (Principal TE), Rob Kobal (HQ Oversight), Marwan Nader (Design of Record), Vankatesh Iyer (METS), Ken Terpstra (Project Manager) and Wenji Long (Design Oversight).

This change order received an Issue and Approve from the Division of Construction on April 21, 2008. A copy is attached for reference.

CONTRACT CHANGE ORDER MEMORANDUM

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	Res. Eng., Gary Pursell, Sup. TE	Date 11/28/07		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Struct Rep, Rick Morrow, Sup TE	Date 11/28/07	ITEMS	\$0.00	\$0.00
Project Engineer:	CT Oversight, Wenyi Long, P.E.	Date 12/10/07	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:	Proj Manager, Ken Terpstra	Date 4/8/08	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00
Environmental:	HQ METS, Vanketesh Iyer, PhD	Date 11/29/07	TOTAL	\$0.00	\$0.00
Other (specify):	Design of Record, Marwan Nader,	Date 9/5/07	FEDERAL PARTICIPATION		
Other (specify):	HQ, Rob Kobal	Date 11/29/07	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE		
District Prior Approval By:		Date	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
HQ (Issue Approve) By:	HQ, Ken Darby	Date 4/21/08	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
Resident Engineer's Signature:		Date 9/18/08	<input checked="" type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
			FEDERAL FUNDING SOURCE	PERCENT	