

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 12/6/2012 Page 1 of 1

TO: Tony Anziano, Program Manager /		FILE: E.A. 04 - 0120F4		
FROM: Darryl Schram, Senior TE		CO-RTE-PM SF-80-13.2/13.9		
		FED. NO.		
CCO#: 273	SUPPLEMENT#: 0	Category Code: BZZZ	CONTINGENCY BALANCE (incl. this change): \$100,271,743.27	
COST: \$797,251.00		INCREASE <input checked="" 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: High Strength Cable Band Bolts		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:

Furnishing high strength fastener assemblies which includes fabricating 434 2" UN galvanized high strength fastener assemblies, consisting of 34CrNiMo6 QT cable band bolts with 8 threads per inch (TPI), ASTM A563 nuts with 8 TPI, threads tapped oversize 0.031 inch to accommodate the galvanized bolt, and ASTM F436 washers.

The cable band diameter of the North Main Span was compacted to a smaller diameter than what was anticipated. This reduction in diameter is a direct result of the elongation of the Main Cable due to the transfer of the structure's dead load into the cable system (Load Transfer), and the further compaction of the Main Cable due to the required re-tensioning of the cable band bolts. Subsequently, the small gap condition between the male/female halves of some cable bands has decreased to the point where the gap size is only a few millimeters. Additional reduction of the Main Cable diameter is expected as the remaining dead load (AC wearing surface) and live load (traffic) is transferred into the cable system. To mitigate this problem, this change order procures higher strength bolts which can be used on the portions of the cable bands with sufficiently large gap sizes to provide additional bolt tension and increased frictional capacity.

The work is not covered by any contract items. Therefore, payment for this work will be at Extra Work at Lump Sum for a cost of \$797,251.00, which can be financed from the contingency fund. A detailed cost estimate is on file.

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

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Jing Chen (District Design), Lina Ellis (Maintenance), and Wenyi Long (Bridge Design).

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: William Casey, Sup TE	Date 11/7/12	ITEMS	THIS REQUEST TOTAL TO DATE
Bridge Engineer: CT Oversight, Wenyi Long, P.E.	Date 11/9/12	FORCE ACCOUNT	\$0.00 \$0.00
Project Engineer: District Design, Jing Chen	Date 11/13/12	AGREED PRICE	\$797,251.00 \$797,251.00
Project Manager:	Date	ADJUSTMENT	\$0.00 \$0.00
FHWA Rep.:	Date	TOTAL	\$797,251.00 \$797,251.00
Environmental:	Date	FEDERAL PARTICIPATION	
Other (specify): HQ, Rich Foley	Date 11/8/12	<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	
Other (specify): Struct. Maint, Lina Ellis	Date 11/8/12	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
District Prior Approval By: HQ, Larry Salhaney	Date 11/21/12	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
HQ (Issue Approve) By:	Date	FEDERAL FUNDING SOURCE	PERCENT
Resident Engineer's Signature:	Date		
			