

TO: Tony Anziano, Program Manager /			FILE: E.A. 04 - 0120F4	
FROM: Kannu Balan, Senior TE			CO-RTE-PM SF-80-13.2/13.9	
FED. NO.				
CCO#: 93	SUPPLEMENT#: 0	Category Code: CHPT	CONTINGENCY BALANCE (incl. this change) \$146,811,949.11	
COST: \$757,563.00 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: Tower Head Details			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 the Tower Head including, Tower Saddle Grillage, Tower Saddle, Tower Saddle Housing, Tower Cable Shroud, and brackets for Suspender at Tower. Fabricating a Tower Grillage template. Performing a trial fit-up of the Tower Head to the Tower Grillage at the project site. Compensating for additional shop drawing detailing and painting. Compensating for additional railing, splice plates and high strength bolts, hand hole cover plates, nut keepers, changes to the splice and grip plates, skin plates B and C, grillage angle length, and saddle housing plates.

Through the RFI process, it was determined that modifications were needed to resolve dimension, detail, and notation conflicts between the various plan sheets. Changes are made to facilitate fabrication, erection, and fit-up. Revisions are made to the Tower Head details due to constructability and access issues. Tower Saddle to grillage bolts and Tower Grillage connection angles are relocated due to interferences between the Tower Saddle bolts and rib plates with the Tower Grillage diaphragm plates. The spacing of the Tower Head diaphragm beams is adjusted to align with the Skin A stiffeners. The step plate at the Tower access door is relocated since it is too close to the doubler plate bolts. The grip plate is modified so it does not interfere with the saddle base plate. The Tower Head face F doubler plate is modified to avoid conflict with Tower Head diaphragm. Louver shrouds are added over the dehumidification louver covers in the Tower Head locations to protect them from wind damage. A template was fabricated to substitute for a full trial fit-up between the Tower Head and Tower Grillage at the fabricator so that the Tower Grillage could be shipped to the project site for installation prior to the completion of the Tower Head fabrication. A trial fit-up was performed on site in order to identify issues early and to avoid further impacts to the schedule. The template and trial fit can be attributed to the fabrication delays associated with a stop work order.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 280, 679R0, 715R0, 847, 911, 917, 925, 950, 951, 1056, 1062, 1108R0, 1108R1, 1118, 1121R1, 1121R2, 1121R3, 1121R4, 1121R5, 1121R6, 1234, 1353R0, 1353R1, 1368R0, 1368R1, 1530, 1531, 1547R0, 1547R1, 1812R0, 1812R1, 2005, 2009R0, 2009R1, 2022, 2029R0, 2029R1, 2033, 2043, 2066R0, 2067R0, 2067R1, 2067R2, 2067R3, 2068, 2086, 2103R0, 2113R0, 2113R1, 2113R2, 2297, 2299, 2305, TC-RFI-0020R0, TC-RFI-0085R0, TC-RFI-0201R0, TC-RFI-0235R0, TC-RFI-0269R0, TC-RFI-0269R1, and TC-RFI-0277R0 with respect to changes listed above.

The total cost of this change order is \$716,467.00 lump sum and \$41,096.00 increase in contract items for a total of \$757,563.00 for this change, which can be financed from the contingency fund. A detailed cost analysis is on file.

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

This change order has concurrence from Brian Maroney (Principal TE), Rick Morrow (Supervising BE), William Casey (Supervising TE), Ken Terpstra (Project Manager), Rich Foley (HQ Oversight), Wenyi Long (Bridge Design), Lina Ellis (Maintenance) August 29, 2011, and Jing Chen (District Design) August 30, 2011.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	William Casey, Sup TE	Date 9/6/11		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Rick Morrow, Sup BE	Date 9/13/11	ITEMS	\$41,096.00	\$41,096.00
Project Engineer:	CT Oversight, Wenyi Long, P.E.	Date 8/30/11	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:	Proj Manager, Ken Terpstra	Date 9/8/11	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$716,467.00	\$716,467.00
Environmental:		Date	TOTAL	\$757,563.00	\$757,563.00
Other (specify):	Dep TB Proj Man, Brian Maroney	Date 9/12/11	FEDERAL PARTICIPATION		
Other (specify):	HQ, Rich Foley	Date 9/6/11	<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:	HQ, Larry Salhaney	Date 8/30/11	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 9-30-11	FEDERAL FUNDING SOURCE	PERCENT	

