

**CONTRACT CHANGE ORDER MEMORANDUM**

DATE: 03/25/2010

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DC-CEM-4903 (OLD HC-39 REV. 6/93) CT# 7541-3544-0

TO Pete Siegenthaler, Principal TE			FILE 04-0120F4	
FROM Gary Pursell, STE / Richard Morrow, SBE			04-SF-80-13.2/13.9	
CCO NO. <b>131</b>	SUPPLEMENT NO. <b>0</b>	CATEGORY CODE <b>CHPT</b>	CONTINGENCY BALANCE (including this change) <b>\$7,231,909.40</b>	
<b>\$570,000.00</b>			HEADQUARTERS APPROVAL REQUIRED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>				
SUPPLEMENTAL FUNDS PROVIDED <b>\$ 0.00</b>			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
CCO DESCRIPTION: Welder Training			PROJECT DESCRIPTION CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time <b>2490</b> Day(s)	Time Adj.: This Change <b>0</b> Day(s)	Previously Approved CCO Time Adjustments <b>227</b> Day(s)	Percentage Time Adjusted: (including this change) <b>9%</b>	Total # of Unreconciled Deferred Time CCO(s): (including this change) <b>6</b>

**THIS CHANGE ORDER PROVIDES FOR:**

This change order provides for a welder training, retention, and performance program for the fabrication of Orthogonal Box Girder (OBG) Lifts 13 & 14 at the Contractor's fabrication facility in China (ZPMC).

The East End OBG, with its very complex geometry and structural elements, presented many challenges and issues to be resolved during the development and detailing of shop drawings. Consequently, delivery and approval of the East End OBG shop drawing has been delayed approximately one year, which has resulted in a resource "gap" at ZPMC between the fabrication of OBG Lifts 1-12 and Lifts 13 & 14. The "gap" caused many trained and highly qualified welders to depart or be redirected to other projects.

A welder training, retention, and performance program will re-establish a pool of sufficient well trained welders to complete fabrication of this most complex portion of the structure, which will mitigate and minimize the risk of fabrication delays.

In addition, to assure trained welders remain committed to the work, this change order provides a retention incentive for those qualified welders that remain until completion of the work. Retention of qualified welders for the duration of the work has been a challenge in previously completed OBG work.

Furthermore, this program includes elements to train welders and crews that fabricate the U-rib deck panels, a very challenging component of the OBG segments, along with a performance based incentive to encourage high welding standards and minimize the need for repairs.

This change is estimated to total \$570,000.00, which can be financed from the contingency fund. A detailed cost estimate is on file.

This program is one of many proposed initiatives endorsed by the Toll Bridge Program Oversight Committee, at their April 1, 2010, monthly meeting, to mitigate past project delays, reduce risk of future delays and enhance the overall project delivery schedule.

This change order has concurrence from Gary Pursell (Resident Engineer), Ken Terpstra (Project Manager), Rich Foley (HQ Liaison), Tony Anziano (Program Manager) and Pete Siegenthaler (Principal Engineer). Design and Maintenance concurrences are not required for this change.

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

Headquarters construction issued an Issue and Approve (I&A) for this change.

# CONTRACT CHANGE ORDER MEMORANDUM

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<b>CONCURRED BY:</b>		<b>ESTIMATE OF COST</b>	
CONSTRUCTION ENGINEER	DATE	THIS REQUEST	TOTAL TO DATE
Res. Eng. Gary Pursell, Sup. TE	3/24/10		
SR. BRIDGE ENGINEER	DATE	ITEMS	\$0.00
Rick Morrow, Struct. Rep.		FORCE ACCOUNT	\$0.00
FHWA REPRESENTATIVE	DATE	AGREED PRICE	\$570,000.00
		ADJUSTMENT	\$0.00
PROJECT MANAGER	DATE	<b>TOTAL</b>	<b>\$570,000.00</b>
Proj. Manager, Ken Terpstra	3/24/10		<b>\$570,000.00</b>
OTHER (SPECIFY)	DATE	<b>FEDERAL PARTICIPATION</b>	
		<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	
PCE, Peter Siegenthaler, Prin TE	DATE	FEDERAL SEGREGATION (IF MORE THAN ONE FUNDING SOURCE OR P.I.P. TYPE)	
DISTRICT PRIOR APPROVAL BY	DATE	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
HQ (ISSUE & APPROVE) (TO PROCEED) BY	DATE	FEDERAL FUNDING SOURCE	PERCENT
Larry Salhaney			
RESIDENT ENGINEER SIGNATURE	DATE		
	3/25/10		