

CONTRACT CHANGE ORDER MEMORANDUM

TO: Pete Siegenthaler, 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		
CCO#: 6		SUPPLEMENT#: 0	Category Code: CHTX	CONTINGENCY BALANCE (incl. this change) \$145,313,830.00
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: Temporary Tower Design Criteria		PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE		
Original Contract Time:	Time Adj. This Change:	Previously Approved CCO Time Adjustments:	Percentage Time Adjusted: (including this change)	Total # of Unreconciled Deferred Time CCO(s): (including this change)
2490 Day(s)	0 Day(s)	30 Day(s)	1 %	0

THIS CHANGE ORDER PROVIDES FOR:

This Change Order modifies Section 10-1.41, "Temporary Towers", Sub-Section "Temporary Tower Design" as follows:

1. Updates the referenced ANSI/AISC design codes from 1999 to 2005 specifications.
2. Revises the specified codes to be consistent and compatible.
3. Allows for alternative bracing systems as proposed in Design Change Request No. 188 which was prepared for inclusion in Addendum No. 8.
4. Clarifies ductility requirements that had been questioned during the bid process and by the Contractor.
5. Modifies multiple specifications to comply to Requests for Information (RFI's) from the Contractor that have been generated on this issue.
6. Reduces risk of sizable potential claims by reaching an agreement with the Contractor on the design requirements.

Through bidder inquiries and RFI's from the Contractor, it was observed that the temporary design specifications did not refer to the latest seismic design code criteria. Furthermore, the specified codes have been altered to be consistent and to include provisions for alternate seismic bracing systems. Alternative bracing systems, such as Eccentrically Braced Frames (EBF's), were allowed in a reply to RFI No. 0005R1 as an acceptable form of the steel bracing allowed by the specifications.

The concept of ductility as provided in the contract and described in the replies to several bidder inquiries is somewhat open to interpretation. The changes proposed in this change order clarify and tie down requirements in a way that meet the design intent and resolves the ambiguity, thus avoiding any misinterpretations of the specifications. This change clarifies the design requirement and specifically includes these other bracing systems in the contract.

This Change Order results in a specification that will provide a temporary tower system that fully meets the designers intent and significantly reduces the risk of claim issues arising from differences in interpretation of the tower design specifications. This change updates the design criteria used for the temporary towers to use the most recent seismic design codes. This was initially addressed as a bid inquiry during the bidding process, alerting the designers that this change was needed. However, this change was not addressed prior to bid opening, due to Addendum No. 8 not being incorporated into the bid package. Therefore, this update to the Special Provisions is to be addressed in a change order.

The changes also include resolution and inclusion of replies to several RFI's from the Contractor including RFI Nos. 0004, 0004R1, 0005, 0005R1 and 0005R2 dealing specifically with the temporary towers.

This Change Order has been agreed to with the Contractor to be a no cost or time impact to the project. A zero cost analysis is on file.

This change order has received concurrence from Dr. Brian Maroney (Deputy, Toll Bridge Program Manager), Pete Siegenthaler (Prin. Bridge Eng.), Rick Morrow (Struct. Rep.), Rob Kobal (HQ), Marwan Nader (Designer of Record), Ade Akinsanya (HQ Structures), Steve Margaris (PE), Wenyi Long (Caltrans Steel Committee) and the Seismic Safety Peer Review Panel.

A Division of Construction "Issue and Approve" was obtained on 3/01/2007 for this change order. A copy is attached for your reference.

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CONCURRED BY:			ESTIMATE OF COST			
Construction Engineer:	Res. Eng., Gary Pursell, Sup. TE	Date 2/16/07		THIS REQUEST	TOTAL TO DATE	
Bridge Engineer:	Struct Rep, Rick Morrow, Sup TE	Date 2/15/07	ITEMS	\$0.00	\$0.00	
Project Engineer:	HQ, Steve Margaris	Date 3/5/07	FORCE ACCOUNT	\$0.00	\$0.00	
Project Manager:	Dep TB Proj Man, Brian Marooney	Date 3/5/07	AGREED PRICE	\$0.00	\$0.00	
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00	
Environmental:	Others. See Memo	Date	TOTAL	\$0.00	\$0.00	
Other (specify):	HQ, Jon Tapping	Date 2/6/07	FEDERAL PARTICIPATION			
Other (specify):	PCE, Pete Siegenthaler, Prin TE	Date 2/21/07	<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 3/1/07	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)			
Resident Engineer's Signature:		Date	<input checked="" type="checkbox"/> CCO FUNDED PER CONTRACT	<input type="checkbox"/> CCO FUNDED AS FOLLOWS		
			FEDERAL FUNDING SOURCE	PERCENT		

3/14/07						