

CONTRACT CHANGE ORDER MEMORANDUM

TO: Mike Former, 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#: 45	SUPPLEMENT#: 0	Category Code: CHSA	CONTINGENCY BALANCE (incl. this change) \$138,968,056.40	
COST: \$278,930.00 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: Paint Primer on Ductile Iron Pipe			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) 0

THIS CHANGE ORDER PROVIDES FOR:

Modifying the fifth paragraph under Section 10-4.03, "CCSF Water Mains and Sewage Force Main", subsection, "MATERIALS, Pipe and Fittings for Line 4 NPS or Greater", of the Special Provisions as follows:

From; "Ductile iron pipe and fittings shall have cement mortar lining and seal coating conforming to ANSI/AWWA C104/A21.4. Pipe shall have a bituminous outside coating conforming to ANSI/AWWA C151/A21.51, and fittings shall have a bituminous outside coating conforming to ANSI/AWWA C110/A21.10."

To; "Ductile iron pipe and fittings shall have cement mortar lining and seal coating conforming to ANSI/AWWA C104/A21.4. Pipe and fittings shall have a moisture-cured urethane primer outside coating conforming to ANCI/NSF Standard 61 and have finish paint in accordance with Section 10-1.69, "Clean and Paint Structural Steel" of the Special Provisions."

The bituminous coating will be replaced with a urethane primer and a shop applied finish paint. This change will apply to contract item numbers 121 "CCSF Reclaim Water (6 NPS)", 122 "CCSF Sewer Forced Main (10 NPS)", and 123 "CCSF Water Main (12 NPS)". All associated hardware and fittings shall also have moisture-cured urethane primer and finish paint coating applied.

Finish painting the pipes and fittings to match the bridge structure is not addressed in the contract documentation. These pipes and fittings are visible to the public and are also exposed to the elements. The architectural requirements, for elements visible to the public, cannot be met by the factory applied bituminous pipe coating. Finish painting over the bituminous pipe coating is not recommended due to the incompatibility of the coatings which will result in higher maintenance cost. Therefore this CCO addresses deleting the factory applied bituminous pipe coating and applying a moisture-cured urethane primer coating along with a finish paint coating to pipes and associated fittings.

For cleaning, priming and painting the pipes, the Contractor will receive a lump sum payment of \$258,930.00. A detailed cost analysis is on file.

Additional cost to transport pipes from painting facility, in lieu of directly to the jobsite, and additional handling costs will be paid for as Extra Work at Force Account for an estimated amount of \$20,000.00, which can be financed from the contingency fund.

This material will be paid for as Material On Hand until incorporated in the work to protect the Department from future price escalations.

The total estimated cost of this Contract Change Order is \$278,930.00.

There is no time adjustment due to this change, as it does not affect the controlling operation.

Costs associated with the change in character to install the pipe will be addressed in a supplement change order.

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This change order received concurrence from the Design of Record (Marwan Nader), HQ Department Oversight (Andy Rogerson and Reza Valizadeh), Maintenance (Bill Zanetich), HQ Support (Rob Kobal), Project Manager (Ken Terpstra) and Toll Bridge Construction Principal (Pete Siegenthaler).

This change order has received an Issue and Approve from the Division of Construction on 5/19/2008..

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	Res. Eng., Gary Pursell, Sup. TE	Date 7/13/07		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Struct Maint, Bill Zanetich, P.E.	Date 7/16/07	ITEMS	\$0.00	\$0.00
Project Engineer:	CT Oversight, Reza Valizadeh, P.E	Date 1/18/07	FORCE ACCOUNT	\$20,000.00	\$20,000.00
Project Manager:	Proj Manager, Ken Terpstra	Date 8/28/07	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:	Struct Maint, Bill Zanetich, P.E.	Date 2/27/07	ADJUSTMENT	\$258,930.00	\$258,930.00
Environmental:	Design of Record, Marwan Nader,	Date 1/18/07	TOTAL	\$278,930.00	\$278,930.00
Other (specify):	HQ, Rob Kobal	Date 7/16/07	FEDERAL PARTICIPATION		
Other (specify):	PCE, Pete Siegenthaler, Prin TE	Date 7/17/07	<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, Ken Darby	Date 2/26/07	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:	HQ, Ken Darby	Date 5/22/08	<input checked="" type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:	Date		FEDERAL FUNDING SOURCE	PERCENT	
	8/29/08				