

**CONTRACT CHANGE ORDER MEMORANDUM**

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|--|---|---|
| TO: Pete Siegenthaler, Prin. TE / Gary Pursell, P.E., Sup T.E.                 |   | FILE: E.A. 04 - 0120F4  |
| FROM: Gary Pursell, Sup. TE  |   | CO-RTE-PM SF-80-13.2/13.9   |
|  |   | FED. NO.  |
| CCO#: <b>115</b>   | SUPPLEMENT#: <b>0</b>                       | Category Code: <b>AXZZ</b>  |
| COST: <b>\$250,000.00</b>  |   | CONTINGENCY BALANCE (incl. this change) <b>\$66,848,129.40</b>  |
| INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/> |   | HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                             |
| SUPPLEMENTAL FUNDS PROVIDED: <b>\$250,000.00</b>                               |   | IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| CCO DESCRIPTION:<br>Dacromet Coating   |   | PROJECT DESCRIPTION:<br>CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE   |
| Original Contract Time:<br><b>2490</b> Day(s)                                  | Time Adj. This Change:<br><b>DEF</b> Day(s) | Previously Approved CCO Time Adjustments:<br><b>30</b> Day(s)   |
|  |   | Percentage Time Adjusted: (including this change)<br><b>1</b> %   |
|  |   | Total # of Unreconciled Deferred Time CCO(s): (including this change)<br><b>7</b>   |

**THIS CHANGE ORDER PROVIDES FOR:**

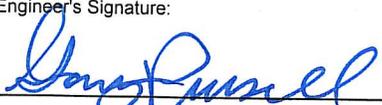
Developing a test program to establish nut overlapping and Dacromet coating thickness on A490 bolt fastener assemblies. This work includes developing a test program, procuring fastener assemblies with various Dacromet and overlap conditions, and performing various tests on the fastener assemblies.

Section 10-1.69, "CLEAN AND PAINT STRUCTURAL STEEL," subsection "COATING A490M BOLTS," of the contract special provisions specifies that Dacromet coating shall be applied as a corrosion protection coating on the ASTM A490 bolts, and associated nuts and washers that complete the fastener assemblies. The contract specifications do not address the coating thickness or the nut overlapping amount needed, nor is there a general industry practice for this bolt/coating combination to rely upon. Therefore, this change will provide for development of a testing program to determine coating thickness and nut overlapping required to assure proper function and structural integrity of the fastener assembly.

It is estimated that this work will cost \$250,000.00, which will be paid for as Extra Work at Force Account. There is a total of \$538,000 in supplemental funds available for this work. A cost analysis is on file.

Adjustment of contract time is deferred pending completion of the work specified in this change as it may affect the controlling operation.

This change order received concurrences from Gary Pursell (Resident Engineer), Rick Morrow (Structure Rep.), Ken Terpstra (Project Manager), and Pete Siegenthaler (Principal Engineer). Design and Maintenance concurrence is not needed for this change order.

|   |              |   |               |
|---|--------------|---|---------------|
| <b>CONCURRED BY:</b>  |              | <b>ESTIMATE OF COST</b>   |               |
| Construction Engineer: Res. Eng., Gary Pursell, Sup. TE                             | Date 6/8/09  | THIS REQUEST  | TOTAL TO DATE |
| Bridge Engineer: Struct Rep, Rick Morrow, Sup TE                                    | Date 6/8/09  | ITEMS   | \$0.00        |
| Project Engineer:   | Date         | FORCE ACCOUNT   | \$250,000.00  |
| Project Manager: Proj Manager, Ken Terpstra   | Date 6/22/09 | AGREED PRICE  | \$0.00        |
| FHWA Rep.:  | Date         | ADJUSTMENT  | \$0.00        |
| Environmental:  | Date         | TOTAL   | \$250,000.00  |
| Other (specify): PCE, Pete Siegenthaler, Prin TE                                    | Date 6/30/09 | <b>FEDERAL PARTICIPATION</b>  |               |
| Other (specify):  | Date         | <input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE<br><input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING |               |
| District Prior Approval By:   | Date         | 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         | FEDERAL FUNDING SOURCE  | PERCENT       |
|  |              | _____   |               |
| 7/2/09  |              | _____   |               |