

**CONTRACT CHANGE ORDER MEMORANDUM**

|   |   |  |   |   |
|---|---|--|---|---|
| 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#: 215   | SUPPLEMENT#: 0                            | Category Code: CHPT  | CONTINGENCY BALANCE (incl. this change) <b>\$146,243,888.11</b>   |   |
| COST: \$350,000.00 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 |   |
| <b>CCO DESCRIPTION:</b><br>Spare Anchor Bolts - OBG/CB  |   |  | <b>PROJECT DESCRIPTION:</b><br>CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE  |   |
| Original Contract Time:<br><b>2490</b> Day(s)   | Time Adj. This Change:<br><b>0</b> Day(s) | Previously Approved CCO Time Adjustments:<br><b>501</b> Day(s) | Percentage Time Adjusted: (including this change)<br><b>20</b> %  | Total # of Unreconciled Deferred Time CCO(s): (including this change)<br><b>3</b> |

**THIS CHANGE ORDER PROVIDES FOR:**

Procuring a full set of replacement anchor bolts for potential use for connecting the Orthotropic Box Girder and crossbeams to the bearings and shear keys.

Once load transfer is performed, an axial shortening of the bridge is expected to occur. E2 Bearings and Shear Keys are expected to move to a theoretical location aligning with the E2 crossbeam. As a contingency, in the event that the alignment is out of tolerance, the anchor rods (connecting between the E2 Bearings/Shear Keys and Crossbeam 18/OBG Lift 13) will need to be de-tensioned to allow for adjustment and realignment. Anchor rods that are de-tensioned cannot be reused. Therefore, this change order will procure additional replacement anchor rods to avoid potential schedule delays that could affect the project's Seismic Safety Opening critical path.

This work will be paid as extra work at force account and the Department estimates it to total \$350,000.00, which can be financed from the contingency fund.

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

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Ken Terpstra (Proj. Manager), and Wenyi Long (Bridge Design). Maintenance concurrence is not required.

|  |      |         |  |                     |
|--|------|---------|--|---------------------|
| <b>CONCURRED BY:</b>                             |      |         | <b>ESTIMATE OF COST</b>  |                     |
| Construction Engineer: William Casey, Sup TE     | Date | 9/22/11 | THIS REQUEST   | TOTAL TO DATE       |
| Bridge Engineer:                                 | Date |         | ITEMS  | \$0.00              |
| Project Engineer: CT Oversight, Wenyi Long, P.E. | Date | 9/22/11 | FORCE ACCOUNT  | \$350,000.00        |
| Project Manager: Proj Manager, Ken Terpstra      | Date | 9/22/11 | AGREED PRICE   | \$0.00              |
| FHWA Rep.:                                       | Date |         | ADJUSTMENT   | \$0.00              |
| Environmental:                                   | Date |         | <b>TOTAL</b>   | <b>\$350,000.00</b> |
| Other (specify): HQ, Rich Foley                  | Date | 9/22/11 | <b>FEDERAL PARTICIPATION</b>   |                     |
| Other (specify):                                 | Date |         | <input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input 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 | 9-28-11 | FEDERAL FUNDING SOURCE   | PERCENT             |
|  |      |         |  |                     |
|  |      |         |  |                     |