

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#: 219	SUPPLEMENT#: 0	Category Code: CHPA	CONTINGENCY BALANCE (incl. this change) \$113,413,374.58	
COST: \$781,477.00			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>				
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Skyway Bikepath Railing Shim Issues			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: 501 Day(s)	Percentage Time Adjusted: (including this change) 20 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 3

THIS CHANGE ORDER PROVIDES FOR:

Modifications to the Skyway bikepath railing divider panels to replace the stainless steel shims with galvanized steel shims, to add PTFE and use Reltek BONDiT B-45TH epoxy or equivalent to attach PTFE sheets, to increase the size of the slots in the sliding posts, and to repair galvanizing damaged as a result of this change. A credit is provided for not reinstalling the Skyway bikepath railing divider panel bolt caps.

This CCO modifies the divider rail base plates to increase the size of the slotted holes thereby allowing for an increase range of movement while a PTFE pad interface is being added between the bottom of the divider rails and the top of the bikepath deck sections to further reduce the sliding friction. To address the corrosion issues associated with the dissimilar metal stainless steel shims, they are being replaced with similar galvanized steel shims.

Anchor bolts securing the bikepath divider rails to the bikepath deck sections have sheared off due to the relative thermal movements of one bikepath deck section to another. In order to address this issue, the existing bolt caps (welded to the divider rail base plates) that are restraining the movement and causing the anchor bolts to shear off are being removed. Additionally, Structures Maintenance (Ken Brown) has now requested the removal of all the bolt caps as they will be extremely difficult to remove for periodic maintenance inspections. CCO 179 paid for the removal and installation of the divider rail bolts caps. CCO 219 will credit the cost to reinstall that was provided for in CCO 179. A separate CCO will be issued for the rest of the Skyway railings bolts cap removal once the scope is developed.

The total cost of this change order is \$781,477.00, which can be financed from the contingency fund. A detailed cost analysis is on file.

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 (Project Manager), Wenyi Long (Bridge Design), Lina Ellis (Maintenance), and Jing Chen (District Design).

