

**EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION
CONTRACT CHANGE ORDER MEMORANDUM**

DATE 10/1/10

TO: JAMES W. WARE, P.E. Director of Transportation			FILE: Project name: MISSOURI FLAT INTERCHANGE, PHASE 1B	
FROM: KEITH FLAHERTY, P.E. Resident Engineer			Contract No. 71336 Caltrans EA. 03-4E28U4 Federal No. ESPLC CM 5925 (71)	
CCO NO. 15	SUPPLEMENT NO	CATEGORY CODE C H P A	CONTINGENCY BALANCE (including this change): \$ 1,582,294.95	
CCO AMOUNT \$146,000.00			HEADQUARTERS APPROVAL REQUIRED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SUPPLEMENTAL FUNDS PROVIDED \$0.00			BOS APPROVAL REQUIRED? (if > \$150,000.00) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
ORIGINAL CONTRACT TIME: 450 DAY(S)	TIME ADJUSTMENT THIS CHANGE: D DAY(S)	PREVIOUSLY APPROVED CCO TIME 5 DAY(S)	TOTAL # OF UNRECONCILED DEFERRED TIME CCO'S (Including this change) 1	DEPARTMENTAL CCO AUTHORITY (This Project) is \$150,000.00

THIS CHANGE ORDER PROVIDES FOR (Use additional pages as needed):

REASON FOR CHANGE: During construction, errors have been discovered on the contract plans, two of which have resulted in the need for this CCO.

The first error is a fillet weld on Weber Creek Bridge shown as being 40 mm (1.57") long. This weld is supposed to be 400 mm (15.75") long. This weld must be performed at 384 locations across the existing bridges.

The second error is a weld is a weld labeled as a fillet weld that should instead be a double bevel weld. This weld must be performed at 192 locations on the existing bridges. The weld requires a significant increase in the amount of preparatory work to the existing steel and actual welding time when compared with the amount of preparatory work and weld time required for a fillet weld.

Quincy Engineering Inc. (Quincy) was hired by the Department to prepare the design for this project. After the errors were discovered, the Department consulted with Quincy, who determined that the welding changes were required to ensure the structural integrity of the widened bridges.

This welding work is on the Project's critical path. This means that if the work is delayed the entire project completion will be delayed, which could result in delay claims and overhead claims. In order to keep the Contractor on schedule, the Department is issuing CCO#15 in the amount of \$146,000, which is within this project's departmental authorization of \$150,000. It is anticipated that CCO 15 will not provide enough budget to complete the work. The Department will require, with the BOS approval, an additional \$204,000, to budget this necessary work. This will bring the total amount for this changed work to \$350,000 and will be administered through CCO15-1. The Department believes this to be adequate funding for this additional welding and associated work.

CONCURRED BY		ESTIMATE OF COST										
	DATE		THIS REQUEST	TOTAL TO DATE								
SUPERVISING CIVIL ENGINEER - CONSTRUCTION John Kahling, P.E.		CONTRACT ITEMS	\$0.00	\$0.00								
DEPUTY DIRECTOR, ENGINEERING Robert Slater, P.E.		FORCE ACCOUNT	\$146,000.00	\$146,000.00								
SUPERVISING CIVIL ENGINEER - DESIGN Adam Bane, P.E.		AGREED PRICE	\$0.00	\$0.00								
CALTRANS OVERSIGHT ENGINEER n/a		ADJUSTMENT	\$0.00	\$0.00								
FHWA REPRESENTATIVE n/a		TOTAL	\$146,000.00	\$146,000.00								
CALTRANS PRIOR APPROVAL BY: n/a		FEDERAL PARTICIPATION										
DIRECTOR OF TRANSPORTATION SIGNATURE James W. Ware, P.E.		<input checked="" type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (Maintenance) <input type="checkbox"/> NON-PARTICIPATING FEDERAL SEGREGATION (if more than one funding source or P.I.P. type)										
BOARD CHAIR, BOARD OF SUPERVISORS Norma Santiago		<input checked="" type="checkbox"/> CCO FUNDED PER COOPERATIVE AGREEMENT <input type="checkbox"/> CCO FUNDED AS FOLLOWS <table style="width:100%; border:none;"> <tr> <td style="width:70%; text-align:center;">FEDERAL FUNDING SOURCE</td> <td style="width:30%; text-align:center;">PERCENT</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table>			FEDERAL FUNDING SOURCE	PERCENT	_____	_____	_____	_____	_____	_____
FEDERAL FUNDING SOURCE	PERCENT											
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RESIDENT ENGINEER'S SIGNATURE												