

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

DATE
10/15/10

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. ESPLE CM 5925 (71)	
CCO NO. 15	SUPPLEMENT NO 01	CATEGORY CODE C H P A	CONTINGENCY BALANCE (including this change): \$ 1,174,294.95	
CCO AMOUNT \$204,000.00			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 checked="" type="checkbox"/> NO <input 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) 2	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 issued 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 Board's approval, an additional \$204,000, to budget this necessary work. This brings 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.

METHOD OF PAYMENT: EXTRA WORK AT FORCE ACCOUNT

CONTRACT TIME ADJUSTMENT: By reason of this order the time of completion will be adjusted as follows: Deferred.

CONCURRED BY		ESTIMATE OF COST	
SUPERVISING CIVIL ENGINEER - CONSTRUCTION John Kahling, P.E.	DATE	THIS REQUEST	TOTAL TO DATE
DEPUTY DIRECTOR, ENGINEERING Robert Slater, P.E.	DATE	CONTRACT ITEMS	\$0.00
SUPERVISING CIVIL ENGINEER - DESIGN Adam Bane, P.E.	DATE	FORCE ACCOUNT	\$204,000.00
CALTRANS OVERSIGHT ENGINEER n/a	DATE	AGREED PRICE	\$0.00
FHWA REPRESENTATIVE n/a	DATE	ADJUSTMENT	\$0.00
CALTRANS PRIOR APPROVAL BY: n/a	DATE	TOTAL	\$204,000.00
DIRECTOR OF TRANSPORTATION SIGNATURE James W. Ware, P.E.	DATE	FEDERAL PARTICIPATION	
BOARD CHAIR, BOARD OF SUPERVISORS Norma Santiago	DATE	<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	
RESIDENT ENGINEER'S SIGNATURE	DATE	FEDERAL SEGREGATION (if more than one funding source or P.I.P. type) <input checked="" type="checkbox"/> CCO FUNDED PER COOPERATIVE AGREEMENT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT
		_____	_____
		_____	_____
		_____	_____