STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

CONTRACT CHANGE ORDER MEMORANDUM

CEM-4903 (REV 06/2006)

DATE

TO

FROM

FILE

E. A.

CO-RTE-PM

FED NO.

CCO NO.	SUPPLEMENT NO	CATEGORY CODE

CONTINGENCY BALANCE (Including this change):

$

CCO AMOUNT

$

☐ INCREASE ☐ DECREASE

HEADQUARTERS APPROVAL REQUIRED? ☐ YES ☐ NO

SUPPLEMENTAL FUNDS PROVIDED

$

IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? ☐ YES ☐ NO

ORIGINAL CONTRACT TIME:	TIME ADJUSTMENT THIS CHANGE:	PREVIOUSLY APPROVED CCO TIME ADJUSTMENTS:	PERCENTAGE TIME ADJUSTED (Including this change)	TOTAL # OF UNRECONCILED DEFERRED TIME CCOs (Including this change)
DAY(S)	DAY(S)	DAY(S)	%	

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

The contractor's option to revise the optimum bitumen content (OBC) on the approved job mix formula (JMF) for Hot Mix Asphalt (HMA) from being based on a percentage of dry weight of aggregate to being based on a percentage of dry weight of the HMA mix.

Reason for Change

The current HMA mix design procedures in California Test Methods determine the OBC for HMA as a percentage of the total weight of dry aggregate. Caltrans has revised Hveem HMA mix design procedures contained in California Tests to reflect the nationwide standard practice and to include the latest technology changes in HMA, including performance graded binders, reclaimed asphalt pavement, rubberized HMA, and the addition of antistrips to HMA. California Test 367 and California Test 368 determine the OBC of HMA mixes based on samples prepared under California Test 304 which includes a revision to Hveem mix design procedure for the preparation of bituminous mixtures for testing. One of the changes in the Hveem mix design procedure is that the OBC for HMA will now be based on total weight of the mix.

Some HMA production plants do not have the capability to report OBC as both a percentage of the dry weight of the aggregate and as a percentage of the total weight of the HMA mix. When a HMA production plant is modified to report OBC as a percentage of the total weight of the HMA mix the contractor may request a change to allow projects under the 2006 *Standard Specifications* to report OBC as a percentage of the total weight of the HMA mix to reduce potential difficulty and confusion if the HMA production plant is producing for different projects under different specifications.

To implement the OBC based on total weight of the mix, the specification for compensation for asphalt price adjustments must be replaced so that the asphalt price adjustment formulas are correct for the OBC based as a percentage of the total weight of the mix.

Concurrence

This change order is in accordance with Division of Construction CPD 13-4, dated July 15, 2013. FHWA gave blanket approval for this change on May 22, 2013.

Method of Payment

There will be no cost or credit to the state for implementing this contractor-initiated change order.

Time Adjustment

There is no time adjustment due to this change order for changing OBC to being based on total weight of the mix.

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DATE

CCO NO.	SUPPLEMENT NO	E. A. NUMBER

CONCURRED BY:

CONSTRUCTION ENGINEER/BRIDGE ENGINEER	DATE
PROJECT ENGINEER	DATE
PROJECT MANAGER	DATE
FHWA REP.	DATE
ENVIRONMENTAL	DATE
OTHER (SPECIFY)	DATE
	DATE
HQ OR DISTRICT PRIOR APPROVAL BY	DATE
RESIDENT ENGINEER SIGNATURE	DATE

ESTIMATE OF COST

	THIS REQUEST	TOTAL TO DATE
ITEMS		
FORCE ACCOUNT		
AGREED PRICE		
ADJUSTMENT		
TOTAL	$0.00	$0.00

FEDERAL PARTICIPATION

☐ PARTICIPATING ☐ PARTICIPATING IN PART ☐ NONE

☐ NON-PARTICIPATING (Maintenance) ☐ NON-PARTICIPATING

FEDERAL SEGREGATION (If more than one funding source or P.I.P. type)

☐ CCO FUNDED PER CONTRACT ☐ CCO FUNDED AS FOLLOWS

FEDERAL FUNDING SOURCE	PERCENT