

Memorandum

*Flex your power!
Be energy efficient!*

To: DEPUTY DISTRICT DIRECTORS, Construction
DEPUTY DIVISION CHIEFS, Structure Construction
CONSTRUCTION MANAGERS
SENIOR CONSTRUCTION ENGINEERS
RESIDENT ENGINEERS

Date: August 24, 2006

File: Division of Construction
CPD 06-7



From: **ROBERT PIEPLOW**
Chief
Division of Construction

Subject: Eliminate haunch detail for Type 1 Retaining Walls with safety barrier

The Department will allow the contractor an option to eliminate the haunch detail from standard plan Type 1 Retaining Walls with safety barrier on applicable on-going construction contracts. Contractors who choose to use this alternative construction method must submit a written request to the engineer that asks to eliminate the haunch detail. The request shall not require additional compensation or time. A memorandum from Roberto Lacalle to Dolores Valls dated April 25, 2006, is attached and provides details about the requirements and conditions that apply.

A sample contract change order (CCO) and sample CCO memorandum are attached for reference. The engineer may need to include revised plan sheets or standard plans in the CCO to define the change completely.

This construction policy directive (CPD) serves as authorization, from both the Division of Construction and the Federal Highway Administration (FHWA), for district personnel to approve contract change orders to eliminate haunch detail as described above. This change does not require that individual CCO transmittals be sent to the Division of Construction for review.

Send a copy of the attached FHWA blanket prior approval along with the CCO memorandum to the Division of Construction for all federally funded projects.

If you have any questions or comments regarding this CPD, please contact Overcomer Hor at (916) 227-8482, Office of Design & Technical Services, Structure Design Services & Earthquake Engineering, Division of Engineering Services or Austin Perez at (916) 227-5705, Division of Construction.

CHIEF DEPUTY DIRECTOR, et al

August 24, 2006

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Attachments: Memorandum from Office of Structure Design Services & Earthquake
Engineering to Offices of Structure Construction
Contract Change Order
Contract Change Order Memorandum
FHWA – Record of Blanket Prior Approval for Major Contract Change
Order

c: Roberto Lacalle
Dolores Valls

Memorandum

*Flex your power!
Be energy efficient!*

To: DOLORES M. VALLS
Deputy Division Chief
Offices of Structure Construction
Division of Engineering Services

Date: April 25, 2006

From: ROBERTO LACALLE, Chief, 
Office of Design & Technical Services
Structure Design Services & Earthquake Engineering

Subject: Standard Plan Type 1 Retaining Walls

The Office of Design & Technical Services has reviewed Construction's request to eliminate the haunch at the top of the stem on Type 1 Standard Plan Retaining Walls that have a safety barrier.

The requested optional construction for Type 1 Standard Plan Retaining Walls (Sheet B3-1) with a safety barrier may be permitted by eliminating the haunch detail at the top of the stem that is shown on barrier Standard Plan sheets: B11-53 (Type 25), B11-55 (Type 732), B11-56 (Type 736), B11-57 (Type 742), B11-60 (Type 80), B11-62 (Type 80SW), B11-65 (Type ST-30), B11-67 (Type ST-40) and B11-70 (Type ST-10).

When the haunch is eliminated, the thickness of the wall stem should not be less than the width of the barrier shown in the Standard Plans. Negative batter on the back of the wall stem will not be allowed. All retaining wall and barrier reinforcement is to remain unchanged in accordance with the Standard Plans.

Should you have any questions concerning this matter, please call Overcomer Hor at (916) 227-8482.

Cc: R. Stott
K. Thompson
J. Lammers
O. Hor
T. Satter

SAMPLE CCO - Eliminate Haunch

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Sheet 1 of 1

CONTRACT CHANGE ORDER

Change Requested by: Engineer Contractor

CCO No.	Suppl. No.	Contract No.	Road	Federal Number(s)

To _____, Contractor
 You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. The last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate

Modify the details for Type 1 retaining walls with safety barrier to eliminate the haunch at the wall stem, provide for a stem width of not less than the barrier width, and modify batter to accommodate thickened wall stem width. Negative batter on wall back face will not be allowed. And all retaining wall and barrier reinforcement will remain unchanged. This change will be made in accordance with the Division of Construction memorandum CPD 06-7, which provides blanket authorization to issue and approve this particular change.

There will be no cost or credit to the State, and no time adjustment for this change.

Decrease \$0.00 Increase \$0.00

By reason of this order the time of completion will be adjusted as follows: No adjustment of time will be made due to this change.

Submitted by		
Signature	(Print name & title)	Date
Approval Recommended by		
Signature	(Print name & title)	Date
Engineer Approval by		
Signature	(Print name & title)	Date

We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above. **NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specification as to proceeding with the ordered work and filing a written protest within the time therein specified.**

Contractor Acceptance by		
Signature	(Print name & title)	Date

SAMPLE Contract Change Order Memorandum – Eliminate Haunch

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

Page 1 of 1

CONTRACT CHANGE ORDER MEMORANDUM

CEM-4903 (REV 04/06)

DATE

TO DEPUTY DISTRICT DIRECTOR		File	
From RESIDENT ENGINEER		E.A. _____	
		CO-RTE-PM _____	
		FED NO. _____	
CCO No.	Supplement No.	CCO Category Code:	Contingency Balance (including this change):
CCO Amount \$0.00 <input type="checkbox"/> Increase <input type="checkbox"/> Decrease			\$ _____
Supplemental Funds Provided \$ _____		Headquarters Approval Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		Is this request in accordance with environmental documents? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Original Contract Working Day(s)	Time Adjustment This Change	Previously-Approved CCO Time Adjustments	Percentage Time Adjusted to Date (Including This change)
_____ Day(s)	_____ Day(s)	_____ Day(s)	_____ %
		Total Number of Unreconciled Deferred-Time CCO's (Including this change)	

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

Modify Standard Plan B3-1, “Retaining Wall Type 1 H=1200 through 9100 mm (H=4’ through 30’)” ; B3-2, “Retaining Wall Type 1 H=9700 through 10 900 mm (H=32’ through 36’); detail “Stem width at base of haunch” of Standard Plan B3-8, “Retaining Wall Details No. 1” and applicable Standard Plan (s) for safety barrier in accordance with the Division of Construction memorandum CPD 06-7.

Eliminate the haunch at the wall stem, provide for a stem width of not less than the barrier width, and modify batter to accommodate thickened wall stem width. Negative batter on wall back face will not be allowed. And all retaining wall and barrier reinforcement will remain unchanged.

This change has been approved by Mr. Jason Dietz, FHWA, for projects that include federal funding. A copy of the statewide blanket prior approval for this change is attached.

There will be no cost or credit to the State because of this change. Contract time will not be adjusted because of this change.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer/ Bridge Engineer	Date	This Request	Total To Date
Project Engineer	Date	Items	\$
Project Manager	Date	Force Account	\$
FHWA Representative	Date	Agreed Price	\$(0.00)
Jason Dietz (if federally funded)	08/02/06	Adjustment	\$
		Total	\$(0.00)
		FEDERAL PARTICIPATION	
Other (Specify)	Date	<input checked="" type="checkbox"/> Participating <input type="checkbox"/> Participating in Part <input type="checkbox"/> None	
Roberto Lacalle, DES-SDS&EE		<input type="checkbox"/> Non-Participating(Maintenance) <input type="checkbox"/> Non-Participating	
		FEDERAL SEGREGATION (If more than one funding source or P.I.P. type)	
Hq Or Dist. Prior Approval By	Date	<input type="checkbox"/> CCO Funded Per Contract <input type="checkbox"/> CCO Funded as Follows	
Resident Engineer Signature	Date	Federal Funding Source	Percent
		_____	_____
		_____	_____
		_____	_____

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654 3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

RECORD OF BLANKET PRIOR APPROVAL FOR MAJOR CONTRACT CHANGE ORDER

PROJECT NO.	CCO NO.	CONTRACT NO.	DIST-CO-RTE-PM
Statewide	Various	Any Federally Funded Project	Various
REQUESTED BY		<input checked="" type="checkbox"/> CALTRANS HQ <input type="checkbox"/> RE / DISTRICT	DATE
Austin Perez			6/21/2006
PROPOSED CHANGE:			
<p>Modifications to the requirements of Type 1 Retaining walls with safety barrier, in accordance with Caltrans' Division of Construction CPD 06-7, regarding option to eliminate haunch at wall stem.</p> <p>Contract time will not be extended. There will be no cost or credit to the State because of this change.</p>			
REASON FOR CHANGE:			
<p>As outlined in the memorandum from Roberto Lacalle to Dolores Valls dated April 25, 2006, Caltrans will allow contractors the option to construct Type 1 Retaining Walls with safety barriers to be constructed without a haunch at the wall stem. This requirement is an alternative construction method that will be allowed when requested in writing by the contractor.</p> <p>The change was initiated by contractor's to reduce forming costs. The State benefits in a reduction in construction time (easier to construct the wall without the haunch) and a stronger wall stem from the additional concrete.</p> <p>Any change in specifications requires Caltrans Division of Construction approval, and FHWA prior approval for federally funded full-oversight projects. Statewide blanket prior approval is being sought, to avoid the need for processing numerous prior approvals for this change on a contract by contract basis.</p>			
AS DISCUSSED IN FIELD (REPORT NO.)		<u>Not Applicable</u>	
TIME EXTENSIONS		ACTIVITY ON CRITICAL PATH AFFECTED BY CCO (IF TIME EXTENSION INVOLVED)	
<input checked="" type="checkbox"/> NONE	___ DAYS	<input type="checkbox"/> DEFERRED	<u>Not Applicable</u>
ESTIMATE OF COST:		CCO: METHOD OF PAYMENT	
\$ <u>Zero</u>	<input type="checkbox"/> INCREASE <input type="checkbox"/> DECREASE	<input type="checkbox"/> CONTRACT <input type="checkbox"/> AGREED PRICE	<input type="checkbox"/> ADJUSTMENT OF COMPENSATION <input type="checkbox"/> EXTRA WORK AT FORCE ACCOUNT
THE WORK COVERED BY THE PROPOSED REVISION AS DESCRIBED ABOVE IS APPROVED SUBJECT TO SUBMISSION OF SUPPORTING DOCUMENTATION INCLUDING COST EVALUATION AND JUSTIFICATION OF TIME EXTENSIONS.			
OTHER CONDITIONS: <u>None</u>			
PRIOR APPROVAL TO PROCEED GRANTED BY:			DATE OF AUTHORIZATION
Jason Dietz /original signed/			08/02/06