Memorandum

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.

"Caltrans improves mobility across California"

c: Roberto Lacalle Dolores Valls
Memorandum

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

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

Date: April 25, 2006

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
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.
TO

DEPUTY DISTRICT DIRECTOR

From

RESIDENT ENGINEER

CCO No.  
Supplement No.  
CCO Category Code:  

Contingency Balance (including this change):  $

CCO Amount  
$0.00  
Increase  
Decrease  

Headquarters Approval Required?  
Yes  
No  

Supplemental Funds Provided  
$  

Is this request in accordance with environmental documents?  
Yes  
No  

Original Contract Working Time Adjustment  
Previously-Approved CCO Time Adjustments  
Percentage Time Adjusted to Date (Including This change)  
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.

<table>
<thead>
<tr>
<th>CONCURRED BY:</th>
<th>ESTIMATE OF COST</th>
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<tbody>
<tr>
<td>Construction Engineer/ Bridge Engineer</td>
<td>Date</td>
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<tr>
<td>Project Engineer</td>
<td>Date</td>
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<tr>
<td>Project Manager</td>
<td>Date</td>
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<tr>
<td>FHWA Representative</td>
<td>Date</td>
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<tr>
<td>Jason Dietz (if federally funded)</td>
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FEDERAL PARTICIPATION

☐ Participating  ☐ Participating in Part  ☐ None
☐ Non-Participating(Maintenance)  ☐ Non-Participating

Other (Specify)

Roberto Lacalle, DES-SDS&EE

Date

Hq Or Dist. Prior Approval By

Date

Resident Engineer Signature

Date

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 |
|-----------------------|--------|

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# RECORD OF BLANKET PRIOR APPROVAL FOR MAJOR CONTRACT CHANGE ORDER

<table>
<thead>
<tr>
<th>PROJECT NO.</th>
<th>CCO NO.</th>
<th>CONTRACT NO.</th>
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<td>Any Federally Funded Project</td>
<td>Various</td>
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**REQUESTED BY**

- Austin Perez

**PROPOSED CHANGE:**

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.

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

**REASON FOR CHANGE:**

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.

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.

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.

**AS DISCUSSED IN FIELD (REPORT NO.)**: Not Applicable

**TIME EXTENSIONS**

- **NONE**
- **DAYS**: 0
- **DEFERRED**

**ESTIMATE OF COST**

- **CCO**: Method of Payment
  - **CONTRACT**
  - **ADJUSTMENT OF COMPENSATION**
  - **AGREED PRICE**
  - **EXTRA WORK AT FORCE ACCOUNT**

- **ZERO**

**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**: None

**PRIOR APPROVAL TO PROCEED GRANTED BY**: Jason Dietz /original signed/

**DATE OF AUTHORIZATION**: 08/02/06

Form FHWA CA-358(c) Rev 1/01 (Copy to CT)