

## Memorandum

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Be energy efficient!*

To: DISTRICT DIRECTORS

Date: November 17, 2004

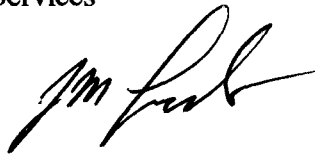
DESIGN, CONSTRUCTION, MAINTENANCE,  
RIGHT OF WAY, TRAFFIC OPERATIONS, AND  
LOCAL ASSISTANCE DIVISION CHIEFS

DESIGN, CONSTRUCTION, MAINTENANCE,  
RIGHT OF WAY, TRAFFIC OPERATIONS, AND  
LOCAL ASSISTANCE DEPUTY DISTRICT DIRECTORS

ROBERT A. STOTT  
Deputy Division Chief  
Structure Design Services & Earthquake Engineering  
Division of Engineering Services

RICHARD D. LAND  
Deputy Division Chief  
Structure Design  
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From: **J. MIKE LEONARDO**  
Acting Chief Engineer



Subject: Implementation and Distribution of the July 2004 Standard Plans

Use of the July 2004 Metric Standard Plans shall be in accordance with the attached Implementation Schedule. The 1999 Standard Specifications and the 1999 Standard Special Provisions (SSPs), with changes accommodating use of the new standard plans, will support the 2004 Standard Plans.

Hard copies of the 2004 Standard Plans book may be ordered through the Caltrans Publications Distribution Unit. A limited number of CDs containing the 2004 Standard Plans in a single PDF file are also available through the Caltrans Publications Distribution Unit. Caltrans personnel should place orders through their respective District or Headquarters Division Manuals Coordinator. The standard plans book is available only in a bound version.

The Publications Distribution Unit, Department of Transportation, is located at 1900 Royal Oaks Drive, Sacramento, California 95815, Telephone (916) 445-3520, and Fax (916) 324-8997, Publications Website: <http://caltrans-opac.ca.gov/publicat.htm>.

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Requests for the 2004 Standard Plans book from contractors, consultants, material suppliers, individuals or organizations not affiliated with the Department should be referred to the Caltrans Publications Distribution Unit.

Digital files of the complete book in PDF format and each plan sheet in DGN, DXF and PDF file format are available via the Caltrans Internet Website:

[http://www.dot.ca.gov/hq/esc/oe/project\\_plans/HTM/04\\_plans\\_disclaim\\_met.htm](http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/04_plans_disclaim_met.htm)

A "Digest of Changes" in the July 2004 edition of the Standard Plans is available via the above-referenced Caltrans Website. The "digest" lists only significant changes to the standard plans, so it will be necessary to view the plans carefully.

Future revisions or additions to the 2004 Metric Standard Plans will be made in electronic format through the use of the Caltrans Office Engineer e-mail List Server. To receive future updates, you must sign up at this website:

<http://www.dot.ca.gov/hq/esc/oe/oelist/>

This e-mail list server will provide e-mail notification of updates to Caltrans Construction Standards. This includes the Caltrans Standard Plans, Standard Specifications, and the Standard Special Provisions.

Please see that all personnel concerned with changes in Standard Plans receive a copy of this letter and the attachments.

Attachments

## ATTACHMENT 1

### IMPLEMENTATION SCHEDULE FOR USE OF 2004 STANDARD PLANS

1. Projects, including AADD, received in the Division of Engineering Services-Office Engineer (DES-OE) February 1, 2005, and later must be based on the use of the 2004 Standard Plans.
2. Projects received in DES-OE before February 1, 2005, that contain any of the items of work listed in Attachment 2 shall be immediately updated using one of the following methods:

Method 1. -Include construction detail project plan sheets derived from the applicable 2004 Standard Plan sheets related to the categories of work listed in Attachment 2 while retaining the 1999 Standard Plans as the supplement to the project plans. To facilitate this effort, the Division of Engineering Services will produce new and revised 1999 Standard Plan sheets covering Overhead Sign Structures, Type 1-B Signal Standard, Transition Railing and Traffic Control System. Or:

Method 2. -Revise the entire project so that it is based on the use of the 2004 Standard Plans.

Method 3. -Issue addenda to currently advertised projects in accordance with Department Policy (Decision Document #38) that requires cost benefit analysis and District Director approval if addenda are to be issued within 72 hours of bid opening. Use procedures outlined in Method 1 for updating.

[http://projdel.dot.ca.gov/des/documents/decisiondocs/72\\_hours\\_timely\\_notice\\_to\\_bidders\\_of\\_bid\\_opening\\_postponement.pdf](http://projdel.dot.ca.gov/des/documents/decisiondocs/72_hours_timely_notice_to_bidders_of_bid_opening_postponement.pdf)

Method 4. -Issue Contract Change Orders in accordance with Construction Policy for projects under construction and bid-opened projects. Use procedures outlined in Method 1 for updating.

3. All projects advertised after October 31, 2005, must be based on the use of the 2004 Standard Plans, regardless of OE submittal date. This includes shelf projects or any other projects that, although submitted prior to February 1, 2005, have encountered delays that have pushed project advertising beyond October 31, 2005.

## ATTACHMENT 2

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### WORK WHICH SHALL BE UPDATED TO CONFORM TO APPLICABLE 2004 STANDARD PLANS

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#### **FURNISHING AND INSTALLING SUPPORTS FOR OVERHEAD SIGNS (TRUSS OR TUBULAR).**

(Supports revised in accordance with AASHTO Specs 2001. Plans updated to make them compliant with OSHA worker safety requirements.)

*RELATED 2004 STANDARD PLANS: 'S' SERIES (S1 THRU S37)*

#### *RELATED ITEM CODE NUMBERS AND DESCRIPTIONS:*

152394	RELOCATE SIGN STRUCTURE
151581	RECONSTRUCT SIGN STRUCTURE
560208	FURNISH SIGN STRUCTURE (TUBULAR)
560209	INSTALL SIGN STRUCTURE (TUBULAR)
560218	FURNISH SIGN STRUCTURE (TRUSS)
560219	INSTALL SIGN STRUCTURE (TRUSS)

#### **FURNISHING AND INSTALLING TYPE 1-B SIGNAL STANDARD**

*RELATED 2004 STANDARD PLAN: 'ES-7B'*

#### *RELATED ITEM CODE NUMBERS AND DESCRIPTIONS:*

861301	RELOCATE TRAFFIC SIGNAL STANDARD
860xxx	SIGNAL AND LIGHTING
861501	MODIFY SIGNAL AND LIGHTING

#### **CURB RAMP CONSTRUCTION.**

(The curb and curb ramp plans have been revised so that they are compliant with current ADA requirements.)

*RELATED 2004 STANDARD PLANS: A87A, A87B, A88A, A88B, A90A and A90B.*

#### *RELATED ITEM CODE NUMBERS AND DESCRIPTIONS:*

731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)
731623	MINOR CONCRETE (CURB RAMP)
731626	MINOR CONCRETE (CURB AND CURB RAMP)
731627	MINOR CONCRETE (CURB, SIDEWALK AND CURB RAMP)
731655	CURB RAMP
731656	CURB RAMP DETECTABLE WARNING SURFACE

## ATTACHMENT 2 (Cont.)

### **METAL BEAM GUARD RAILING OR THRIE BEAM BARRIER RAILING THAT TRANSITION TO BRIDGE RAILING, ABUTMENTS OR WALLS.**

(New transition railing details that meet NCHRP 350 Test Level 4 requirements are included in the railing and barrier plans.)

*RELATED 2004 STANDARD PLANS:* 'A77 SERIES'- [A77J4, 'Transition Railing (Type WB)'] 'A78 SERIES'- [A78J, 'Transition Railing (Type STB)'] and [A78K, 'Transition Railing (Type DTB)']

#### *RELATED ITEM CODE NUMBERS AND DESCRIPTIONS:*

151572	RECONSTRUCT METAL BEAM GUARD RAILING
152397	RELOCATE METAL BEAM GUARD RAILING
832001	METAL BEAM GUARD RAILING
832002	METAL BEAM GUARD RAILING (STEEL POST)
832003	METAL BEAM GUARD RAILING (WOOD POST)
151568	RECONSTRUCT THRIE BEAM BARRIER
151570	RECONSTRUCT DOUBLE THRIE BEAM BARRIER
839301	SINGLE THRIE BEAM BARRIER
839303	SINGLE THRIE BEAM BARRIER (STEEL POST)
839302	SINGLE THRIE BEAM BARRIER (WOOD POST)
839310	DOUBLE THRIE BEAM BARRIER
839311	DOUBLE THRIE BEAM BARRIER (WOOD POST)
839312	DOUBLE THRIE BEAM BARRIER (STEEL POST)

### **TRAFFIC CONTROL SYSTEM.**

(These plans have been revised so that they are compliant with MUTCD requirements.)

*RELATED 2004 STANDARD PLANS:* T10, T10A, T11, T12, T13, T14, T15, T16 and T17.