

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE
2006 ANNUAL REPORT**

This report is prepared in compliance with Article V of the Bylaws of the California Traffic Control Devices Committee (CTCDC).

2005 VOTING MEMBERS

Mr. Farhad Mansourian CSAC	Chairman Director of Public Works Marin County, P.O. Box 4186 San Rafael, CA 94913
Mr. Hamid Bahadori ACSC	Vice Chairman Principal Transportation Engineer Auto Club of Southern California, 3333 Fairview Road Costa Mesa, CA 92626
Mr. John Fisher LOCC	Assistant General Manager City of Los Angeles DOT 100 S Main St, 10 th Floor Los Angeles, CA 90012
Mr. Gerry Meis CDOT	Division of Traffic Operations California Department of Transportation 1120 N Street, MS36 Sacramento, CA 95814
Ms. Merry Banks CSAA	Manager Traffic Safety Department California State Automobile Association 150 Van Sacramento Ness Avenue, MSA03C San Francisco, CA 94102-1860
Mr. Jacob Babico CSAC	Chief of Traffic Division, DPW San Bernardino County 825 East Third Street San Bernardino, CA 92415
Capt. Joe Whiteford DCHP	California Highway Patrol 2555 First Avenue Sacramento, CA 95818
Mr. Ed Von Borstel LOCC	Deputy Director Public Works & Transportation City of Modesto, 1010 Tenth Street Modesto, CA 95353

The following alternate members were designated by the parent organizations to act in the absence of their appointed voting members:

2003 ALTERNATE MEMBERS

Mr. Mark Greenwood LOCC	Engineering Manager City of Palm Desert 73-510 Fred Waring Dr. Palm Desert, CA 92260
Mr. John Presleigh CSAC	Assistant Director Transportation Division Santa Cruz County DPW Santa Cruz, CA 95060
Mr. Devinder Singh CDOT	Division of Traffic Operations California Department of Transportation 1120 N Street, MS36 Sacramento, CA 95814
Mr. Lewison Lem CSAA	Transportation Policy Manager California State Automobile Association 100 Van Ness Ave, 16 th Floor San Francisco, CA 94102
Mr. George Johnson CSAC	Transportation Director, DPW Riverside County P.O. Box 1090, Riverside, CA 92502
Ms. Cheryl Skare DCHP	California Highway Patrol 2555 First Avenue Sacramento, CA 95818
Mr. Gian Aggarwal LOCC (Retired in 2006)	Deputy Director Public Works City of Vacaville 650 Merchant Street, Vacaville, CA 95688
Ms. Marie Simon ACSC	Transportation Engineer Auto Club of Southern California 3333 Fairview Road, A131 Costa Mesa, CA 92626
SECRETARY Mr. Devinder Singh Caltrans	Senior Transportation Engineer Executive Secretary, CTCDC 1120 N Street, MS36 Sacramento, CA 95814

2006 MEETINGS

Date	Location
February 23, 2006	860 Stillwater Road, West Sacramento, CA 95605
June 14, 2006	3333 Fairview Road, Costa Mesa, CA 92626
October 26, 2006	4050 Taylor Street, San Diego, CA 92110

2006 CTCDC AGENDA ITEMS**Agenda****Item No. Title**

- 99-13 Illuminated Pavement Markers on Median Barriers
- 02-15 Radar Guided Dynamic Curve Warning System
- 03-6 Radar Speed (Speed Feedback) Display Sign
- 03-15 Radar Speed Sign
- 04-E California MUTCD Adoption (FHWA's MUTCD 2003 Revision 1, as amended for use in California) formerly known as "Combining of the MUTCD 2003 & CA Supplement to a single document"
- 05-1 Experiment with a Pedestrian Enhanced Delineation System By using in-roadway warning lights) for Crosswalks at the Signalized Intersection (Experiment Request by the City of Pasadena)
- 05-4 Older California Traffic Safety Task Force Proposal to Amend MUTCD Sections 3D.03, 6F.58 thru 6F.61, 6F.63, 6F.65, 6F.81, 6F.85, 6G.15 and 6G.16 and Notes to TA's 39, 40, 41 and 45.
- 05-7 Automated Flagger Assistance Devices (AFAD's)
- 05-9 Older California Traffic Safety Task Force proposed to amend MUTCD Sections 2D.38 (Street Name Sign, D3-1), 2B.34 (Do Not Enter Sign R5-1), 2B.35 (Wrong Way Sign R5-1a) and 3B.01 (Yellow Centerline Pavement Markings and Warrants)
- 05-10 Proposal for the Watershed Boundary Signs
- 06-1 Proposal to Amend MUTCD Section 4E.09 Accessible Pedestrian Signal Detectors
- 06-2 Request to Experiment with Colored Bike Lanes
- 06-4A Older California Traffic Safety Task Force, Proposal for Inclusion into the California MUTCD
- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)
- 06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)
- 06-8 FHWA's Interim Approvals for Optional Use of Traffic Control Devices
- 06-9 Proposed to Adopt G12-1 (CA), G12-2 (CA), R75-1 (CA), S22-1 (CA) and C43 (CA) signs
- 06-13 Proposal to Amend Section 7B.08 and 7B.12

INFORMATION ITEMS:

- 06-4 Calm the Safety Zone
- 03-13 Variable Speed Limit Sign
- 06-A Section 1978 of Streets and Highways Code (AB2002)
- 05-10 Proposal for the Watershed Boundary Signs

DISCUSSION ITEMS:

- 04-7 Re-Evaluation of the Yellow timing for the Signalized Intersections.
- 06-3 Conflict between California Vehicle Code Section 275 and Federal American With Disabilities Act (ADA)
- 06-6 Wildlife Corridor Signs
- 06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)
- 06-8 FHWA's Interim Approvals for Optional Use of Traffic Control Devices
- 06-10 Expedited process to adopt Word Message Signs
- 06-11 Alternative to the Approved Bicycle Pavement Marking
- 06-12 No Parking Signs
- 06-13 Proposal to Amend Section 7B.08 and 7B.12

COMMITTEE ACCOMPLISHMENTS:**99-13 Illuminated Pavement Markers on Median Barriers**

Caltrans District 7 requested for the experiment with illuminated markers few years ago, internally illuminated markers were not standard devices at that time. Now the CA MUTCD Section 3B.14 does allow the use of internally illuminated pavement markers. Therefore Committee does not need to act on this item. The Committee members agreed that no further action is needed.

02-15 Radar Guided Dynamic Curve Warning System

Committee recommended placing this item on the agenda under the action items and requested that Caltrans bring a draft policy for the Committee's consideration

03-6 Radar Speed (Speed Feedback) Display Sign

The Committee accepted the final report submitted by the City of San Jose and to continue to retain the California MUTCD language regarding speed feedback signing. The second part was to have Caltrans communicate with all agencies who have installed these signs to inform them that the only approved sign is a speed feedback (Your Speed) sign.

03-15 Radar Speed Sign

The City of Fremont has submitted their final report on the experiment authorized by the Committee with radar speed signs. The Committee accepted the report, however, it was suggested that the City consider reprogramming the signs to be consistent with the official approved "Feedback" sign.

04-E California MUTCD Adoption (FHWA's MUTCD 2003 Revision 1, as amended for use in California) formerly known as "Combining of the MUTCD 2003 & CA Supplement to a single document"

The Committee recommends Caltrans to adopt the California MUTCD as reviewed and discussed during the various workshops and that Caltrans identify the most appropriate method for its timely publication and distribution.

05-1 Experiment with a Pedestrian Enhanced Delineation System By using in-roadway warning lights) for Crosswalks at the Signalized Intersection (Experiment Request by the City of Pasadena)

The Committee concurred with the FHWA approval as outlined in their letter dated December 20, 2005 to conduct experimentation with a Pedestrian Enhanced Delineation System for Crosswalks at the Signalized Intersection

05-4 Older California Traffic Safety Task Force Proposal to Amend MUTCD Sections 3D.03, 6F.58 thru 6F.61, 6F.63, 6F.65, 6F.81, 6F.85, 6G.15 and 6G.16 and Notes to TA's 39, 40, 41 and 45.

See comments under item 06-4A.

05-7 Automated Flagger Assistance Devices (AFAD's)

The Committee recommended that Caltrans ask FHWA for interim approval for the State of California, which was received on May 9, 2006 from the FHWA.

05-9 Older California Traffic Safety Task Force proposed to amend MUTCD Sections 2D.38 (Street Name Sign, D3-1), 2B.34 (Do Not Enter Sign R5-1), 2B.35 (Wrong Way Sign R5-1a) and 3B.01 (Yellow Centerline Pavement Markings and Warrants)

See comments under item 06-4A.

05-10 Proposal for the Watershed Boundary Signs

The Committee authorizes the Water District City of San Diego to experiment with the Watershed Sign, then follow up and keep the Committee informed on the experimental status.

06-1 Proposal to Amend MUTCD Section 4E.09 Accessible Pedestrian Signal Detectors

The MUTCD includes the following:

Section 4E.09 Accessible Pedestrian Signal Detectors

Guidance:

The following amendment in [blue](#) were adopted:

- A. Adjacent to a level all-weather surface to provide access from a wheelchair, and where there is an all-weather surface, wheelchair accessible route to the ramp;
- B. Within 1.5 m (5 ft) of the crosswalk [extended boundaries](#)
- C. Within 3 m (10 ft) of the edge of the curb, shoulder, or pavement; and
- D. Parallel to the crosswalk to be used.

If the pedestrian clearance time is sufficient only to cross from the curb or shoulder to a median of sufficient width for pedestrians to wait and accessible pedestrian detectors are used, an additional accessible pedestrian detector should be provided in the median.

Also change the Vertical distance in [figure 4E-2](#), from "3m (10)" to "[1.5 m \(5\)](#)"

06-2 Request to Experiment with Colored Bike Lanes (City and County of San Francisco)

The Committee suggested that the City consider first getting approval from the FHWA. The Committee further asked the City to address the questions raised by the Committee members, when they come back to the CTCDC for approval.

06-4A Older California Traffic Safety Task Force, Proposal for Inclusion into the California MUTCD

The Committee recommended that Caltrans adopt items which were discussed during the February 22, 2006 workshop excluding items 25, 30, 32, 33, 34, 36, 37, 38, 39 and 41. Items 29 and 40 to be revised as recommended by the Committee. For detail, see the meeting minutes of June 14, 2006 CTCDC meeting under item 06-4A.

06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)

The item was deferred for the future meeting.

06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)

The Committee suggested continuing the item for the next meeting and asked Walgreen and Caltrans to come up with a policy addressing all the concerns raised by the Committee.

06-8 FHWA's Interim Approvals for Optional Use of Traffic Control Devices

The Committee recommended that Caltrans to apply for a blanket approval on the five interim approvals issued by the FHWA, on behalf of all California agencies. The following approvals were received from the FHWA on December 7, 2006:

- Interim Approval for Optional Use of RV Friendly Symbol Sign
- Interim Approval for Use of Clearview Font for Positive Contrast Legends on Guide Signs
- Optional use of wayside horn system (WHS) at highway-rail grade crossings
- Optional use of retroreflective borders on traffic signal backplates

And

The fifth item, "Interim Approval for Optional Use of Flashing Yellow Arrow for Permissive Left Turns (IA-10)" was not requested as recommended by the Committee because, there were operational concerns raised by Caltrans ITS Branch. The item is placed on the CTCDC agenda for the February 15, 2006 meeting for further discussion.

06-9 Proposed to Adopt G12-1 (CA), G12-2 (CA), R75-1 (CA), S22-1 (CA) and C43 (CA) signs

The Committee recommended to adopt signs G12-1(CA), G12-2(CA), S22-1(CA) and C43(CA) as discussed by the Committee, and G12-1(CA), G12-2(CA), and C43(CA) reflect changes as recommended by the Committee.

R75-1(CA) sign, if Caltrans would like to pursue, then the R75-1(CA) sign should be revised as suggested and place on the future CTCDC meeting agenda.

06-13 Proposal to Amend Section 7B.08 and 7B.12

The City of Santa Ana requested to review sizes for the supplemental school plaques. The City suggested that the width of the "School" plaque to be same size of the pentagon (S1-1) signs.

The CTCDC members were divided on this item, some members stated that the Assembly D is required according to the Federal Manual and CA MUTCD and therefore there is no need of further discussion. Some members asked to place it on the agenda and asked Monica Suter to provide an exact proposal for the next meeting.

Action: Item to be placed on the next CTCDC agenda.

SUMMARY OF ACCOMPLISHMENTS 2006:

- 1 items carried over from 1999
- 1 item carried over from 2002
- 3 item carried over from 2003
- 2 item carried over from 2004
- 5 item carried over from 2005
- 27 items considered in 2006
- 15 items introduced in 2006
- 19 item completed in 2006
- 2 item approved for experimentation in 2006
- 6 items not completed in 2006

ITEMS CARRIED INTO FUTURE YEAR:

- 05-15 Radar Guided Dynamic Curve Warning System
- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)
- 06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)
- 06-13 Proposal to Amend Section 7B.08 and 7B.12
- 06-6 Wildlife Corridor Signs
- 06-12 No Parking Signs

ITEMS APPROVED FOR EXPERIMENTATION:

- 05-1 Experiment with a Pedestrian Enhanced Delineation System By using in-roadway warning lights) for Crosswalks at the Signalized Intersection (Experiment Request by the City of Pasadena)
- 05-10 Proposal for the Watershed Boundary Signs

STATUS OF CALTRANS ACTION ON PAST ITEMS:

Item 01-1 U-TURN SIGNAL HEADS INDICATOR

Caltrans will develop appropriate standards to ensure visibility and make the U-turn signal head indicator an official traffic control device by inclusion in the Caltrans Supplement.

MISCELLANEOUS

Ms. Marianne Kim and Ms. Deborah Wong will be the new Alternate Members representing Auto Club of Southern California and California State Automobile Association replacing Ms. Marie Simon and Mr. Lewison Lem respectively.

CTCDC Agenda, Minutes, Annual Reports, and other information is available on the Internet at "<http://www.dot.ca.gov/hq/traffops/signtech/newtech/>" under the Office of Signs and Delineation webpage.

Additional information regarding the minutes of the CTCDC meetings held during 2006 may be obtained upon request from the Secretary or any member of the California Traffic Control Devices Committee.

SIGN SPECIFICATIONS

As provided in California Vehicle Code Sections 21400 and 21401, a list of the current sign specifications used on streets and highways in California is available on the following website:

<http://www.dot.ca.gov/hq/traffops/signtech/signdel/specs.htm>

Respectfully submitted by Devinder Singh, Secretary, CTCDC