

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE
2005 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. John Fisher LOCC	Chairman Assistant General Manager City of Los Angeles DOT 100 S Main St, 10 th Floor Los Angeles, CA 90012
Mr. Farhad Mansourian CSAC	Vice Chairman Director of Public Works Marin County, P.O. Box 4186 San Rafael, CA 94913
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. Lenley Duncan 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
Mr. Hamid Bahadori ACSC	Principal Transportation Engineer Auto Club of Southern California, 3333 Fairview Road Costa Mesa, CA 92626

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. Wendy Mirazo DCHP	California Highway Patrol 2555 First Avenue Sacramento, CA 95818
Mr. Gian Aggarwal LOCC	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

2005 MEETINGS

Date	Location
March 25, 2005	2829 Juan Street, Caltrans D11 (Auditorium), San Diego, CA 92110
July 28, 2005	Caltrans Headquarter, 1120 N Street (Auditorium), Sacramento, CA 95814
November 17, 2005	100 S Main Street, Caltrans D7, Los Angeles, CA 90012

2004 CTCDC AGENDA ITEMS**Agenda**

<u>Item No.</u>	<u>Title</u>
01-1	Bicycle Pavement Markings
03-3	Tsunami Evacuation Signing
04-6	Proposed School Bus Sign, "Do not Pass Stopped School Bus Flashing Red Lights" Increased Fines Apply CVC 22454.5
04-11	Bicycle May Use Full Lane
04-13	Older California Traffic Safety Task Force proposal to Amend MUTCD Sections 2B.45, 2C.50 and 4E.10
04-15	Older California Traffic Safety Task Force to Amend MUTCD Sections 2B.33, 34, 35, 37, 38 and 4E.10.
04-E	Combining of the MUTCD 2003 & CA Supplement to a single document
04-G	Overhead Pedestrian/School Crosswalk Signing with Yellow Flashing Beacons
05-1	Experiment with a Pedestrian Enhanced Delineation System by using in-roadway warning lights for Crosswalks at the Signalized Intersection.
05-2	MUTCD Section 1A.03
05-3	Parking Restrictions at Intersections (CA Supplement Section 3B.18)
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.
05-5	Proposal for experimental Use of a Nonstandard signage for Neighborhood Electric Vehicles (NEV)
05-6	Experiment with #399 Motorist Aid Freeway Signing
05-7	Proposal for Experimental Use of a Non-Standard Traffic Control Device - Automated Flagger Assistance Devices (AFAD's)
05-8	Revised Interim Approval by the FHWA for the Use of Automated Flagger Assistance Devices in Temporary Traffic Control Zones
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
05-11	Proposal to Amend MUTCD Section 7A.01

05-12 Guidelines for the Engineering and Traffic Surveys to Establish Speed Limits

INFORMATION ITEMS:

- 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.
- 05-8 Revised Interim Approval by the FHWA for the Use of Automated Flagger Assistance Devices in Temporary Traffic Control Zones
- 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

DISCUSSION ITEMS:

- 04-E Timetable for Combining the MUTCD 2003 and CA Supplement to a single document
- 04-G Overhead Pedestrian/School Crosswalk Signing wit Yellow Flashing Beacons
- 05-2 MUTCD Section 1A.03
- 05-3 Parking Restrictions at Intersections (CA Supplement Section 3B.18)

COMMITTEE ACCOMPLISHMENTS:**01-1 Bicycle Pavement Markings**

The Committee recommended adoption of the BPM, however the final policy does not allow the use of BPM on the roadways without an on-site parking. The City of San Francisco wants to include that option in the policy. Therefore item was reagendaized. However, after the November 17, 2005 meeting the City of San Francisco decided not pursue there request and requested to withdraw item from the future agenda

03-3 Tsunami Evacuation Signing

The Committee authorized Caltrans to proceed with an experiment with expected approval from the Federal Highway Administration (FHWA). The Caltrans has received approval from FHWA to install Tsunami Evacuation signing under experimentation.

04-6 Proposed School Bus Sign, “Do not Pass Stopped School Bus Flashing Red Lights” Increased Fines Apply CVC 22454.5

The Committee denied the experiment request due to lack of demonstrated existing problem and inability to comply with the requirements of experiment guideline.

04-11 Bicycle May Use Full Lane

The request was withdrawn by the requesting agency because there were an item on the agenda that could have addressed the concern related to the “bicycle may use full lane”.

04-13 Older California Traffic Safety Task Force proposal to Amend MUTCD Sections 2B.45, 2C.50 and 4E.10

The Committee adopted the proposed language with the deletion of “*or left*” and allowing the option to use either “no right turn” symbol sign or R10-11 verbal message sign.

Section 2B.45 Traffic Signal Signs (R10-1 through R10-21)

The following language was adopted in lieu of the existing “option”:

Guidance:

A symbolic NO TURN ON RED (R10-11) sign (see Figure 2B-19) should be used on the near right of skewed intersections where the adjacent approach leg to the left intersects the driver’s approach leg at an angle of less than 75 degrees.

Option:

A symbolic NO TURN ON RED (R10-11) sign (see Figure 2B-19) may be used on the near right of extremely wide intersections.

Section 2C.50 CROSS TRAFFIC DOES NOT STOP Plaque (W4-4p)

The Committee adopted the proposed language, however the “may” condition **will** be changed to a “should” condition.

The following “guidance” was added to the MUTCD Section 2C.50:

The CROSS TRAFFIC DOES NOT STOP (W4-4p) plaque (see Figure 2C-8) should be used in combination with a STOP sign at two-way stop-controlled intersections when a conversion from four-way stop to two-way stop operations is implemented.

The Committee recommended Caltrans to adopt the following language to **Section 4E.10** under “option”:

Proposed CA Supplement Section 4E.10 text

Option:

Where older or disabled pedestrians routinely use the crosswalk, a walking speed of 0.85-m (2.8 ft) per second may be used in determining the pedestrian clearance time.

04-15 Older California Traffic Safety Task Force to Amend MUTCD Sections 2B.33, 34, 35, 37, 38 and 4E.10.

The Committee took no action on the item and deferred that all the items related to older California traffic safety should discussed in a workshop.

04-E Combining of the MUTCD 2003 & CA Supplement to a single document

The item is still pending

04-G Overhead Pedestrian/School Crosswalk Signing with Yellow Flashing Beacons

The Committee recommended considering a new school advance warning assembly (S1-1) with supplemental double down diagonal arrows as shown in assembly F. The text and drawing should reflect the use of the assembly. The other proposed alternative assembly E was rejected.



05-1 Experiment with a Pedestrian Enhanced Delineation System by using in-roadway warning lights for Crosswalks at the Signalized Intersection.

The Committee took no action on the item, however suggested that the City of Pasadena should approach to the FHWA for approval on experimenting with in-roadway LED pedestrian delineators.

05-2 MUTCD Section 1A.03

The Committee recommended adopting the language as proposed in the agenda packet, with the change under Option from “regulations” to “events/circumstances”. The section was amended as follows:

Section 1A.03 Design of Traffic Control Devices

Standard:

Except as noted in the Option below, highway agencies shall not develop word message signs. In accordance with CVC Section 21401, only word message signs conforming to Department of Transportation standards and specifications shall be placed on streets and highways.

Option:

~~Highway agencies may develop word message signs to notify road users of special regulations or to warn road users of a situation that might not be readily apparent. Unlike symbol signs and colors, new word message signs may be used without the need for experimentation.~~ *Highway agencies may develop place/facility name or day, date, time portion of the word message on signs to notify road users of special ~~regulations~~ events/circumstances or to warn road users of a situation that might not be readily apparent. Unlike symbol signs and colors, these place/facility name or day, date, time modified word message signs may be used without the need for experimentation.* With the exception of symbols and colors, minor modifications in the specific design elements of a device may be made provided the essential appearance characteristics are preserved. Although the standard design of symbol signs cannot be modified, it may be appropriate to change the orientation of the symbol to better reflect the direction of travel.

05-3 Parking Restrictions at Intersections (CA Supplement Section 3B.18)

The Committee recommended changing the word “shall” to “should” so that the section reads as follows:

“All intersections, one stall length on each side measured from the crosswalk or end of the curb return should have parking prohibited. A clearance of 1.8 m (6 ft) measured from the curb return should be provided at alleys and driveways.”

05-4 Older California Traffic Safety Task Force (OCTSTF) 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.

The Committee suggested having a workshop to discuss items related to the OCTSTF. The workshop will be held a day prior to the first CTCDC meeting of 2006. The date will be determined during the November 17, 2005 meeting.

05-5 Proposal for experimental Use of a Nonstandard signage for Neighborhood Electric Vehicles (NEV)

The Committee authorized experimentation with the signage package with the change of "NEV Lane" to "NEV Route" with the use of existing striping details available. Experiment will be conducted on Class II NEV Routes.

05-6 Experiment with #399 Motorist Aid Freeway Signing

The Committee authorized experiment with the proposed sign and also recommended that the sign shall meet Caltrans Standard and Specifications.



05-7 Proposal for Experimental Use of a Non-Standard Traffic Control Device - Automated Flagger Assistance Devices (AFAD's)

The Committee authorized Placer County to use AFAD system as requested, subject to the letter written to the FHWA.

05-8 Revised Interim Approval by the FHWA for the Use of Automated Flagger Assistance Devices in Temporary Traffic Control Zones

Committee stated that when a device is approved by the FHWA as an interim basis, any agency could receive approval to use that device by simply writing a letter to the FHWA. The Committee will wait for the final ruling on this device by FHWA before taking action for California.

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)

The item was deferred because all the issues related to the older driver task force would be discussed in a workshop, which will be scheduled in early 2006.

05-10 Proposal for the Watershed Boundary Signs

The Committee did not take action during the year of 2005.

05-11 Proposal to Amend MUTCD Section 7A.01

The Committee recommended adoption of the proposed amendment to MUTCD Section 7A.01 as presented in the agenda.

The amendment to the MUTCD 2003, Section 7A.01 was as follows:

Guidance:

A school route plan for each school serving elementary ~~to high school~~ students should be prepared in order to develop uniformity in the use of school area traffic controls and to serve as the basis for a school traffic control plan for each school.

Option:

A school route plan for each school serving middle school or high school students may be prepared.

05-12 Guidelines for the Engineering and Traffic Surveys to Establish Speed Limits (Discussion

The City of Santa Rosa has submitted a request to restore the 1996 Traffic Manual guidelines in establishment of a speed limit for the roadways instead of the language adopted in California Supplement.

The Committee heard the pro and coins from both sides and decided to keep the language for the engineering and traffic survey as was adopted in the California Supplement under Section 2B.116.

SUMMARY OF ACCOMPLISHMENTS 2005:

- 1 items carried over from 2001
- 1 item carried over from 2003
- 6 item carried over from 2004
- 20 items considered in 2005
- 12 items introduced in 2005
- 9 item completed in 2005
- 4 item approved for experimentation in 2005
- 7 items not completed in 2005

ITEMS CARRIED INTO FUTURE YEAR:

- 04-15 Older California Traffic Safety Task Force to Amend MUTCD Sections 2B.33, 34, 35, 37, 38 and 4E.10.
- 04-E 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.
- 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.
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- 05-10 Proposal for the Watershed Boundary Signs

ITEMS APPROVED FOR EXPERIMENTATION:

- 03-3 Tsunami Evacuation Signing
- 05-5 Proposal for experimental Use of a Nonstandard signage for Neighborhood Electric Vehicles (NEV)
- 05-6 Experiment with #399 Motorist Aid Freeway Signing
- 05-7 Proposal for Experimental Use of a Non-Standard Traffic Control Device - Automated Flagger Assistance Devices (AFAD's)

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.
- Item 00-4 USE OF RAISED PAVEMENT MARKERS IN TRANSVERSE PATTERN**
Caltrans will take appropriate action on the recommendation made by the Committee.
- Item 02-3 RIGHT EDGELINE**
Caltrans will take appropriate action on the recommendation made by the Committee.
- Item 04-8 Railroad Preemption Signals**
Adopt revised Sections 8B.06, 10C.09 and Figures 8B-3, 10C-2 of the MUTCD 2003 and to include in the California Supplement as amended and to ask Caltrans to develop policies and specifications for blank-out signs.
- Item 02-16 Signal Warrant I & II**
Adopt the revised Section 4C.01 of MUTCD 2003 and include in California Supplement.
- Item 04-13 Proposal to Amend MUTCD 2003 Section 4E.10**
Option:
Where older or disabled pedestrians routinely use the crosswalk, a walking speed of 0.85-m (2.8 ft) per second may be used in determining the pedestrian clearance time.

MISCELLANEOUS

Captain Joe Whiteford will be the voting member representing the California Highway Patrol (CHP) replacing Captain Lenley Duncan.

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 2005 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