

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE  
2009 ANNUAL REPORT**

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

**2009 VOTING MEMBERS**

Mr. Hamid Bahadori  
ACSC  
Chairman  
Principal Transportation Engineer  
Auto Club of Southern California, 3333 Fairview Road  
Costa Mesa, CA 92626

Mr. John Fisher  
LOCC  
Vice Chairman  
Assistant General Manager  
City of Los Angeles DOT  
100 S Main St, 10<sup>th</sup> Floor  
Los Angeles, CA 90012

Mr. Farhad Mansourian  
CSAC  
Director of Public Works  
Marin County, P.O. Box 4186  
San Rafael, CA 94913

Mr. Wayne Henley  
Caltrans  
Office Chief, Signs Markings & External Support  
Division of Traffic Operations  
California Department of Transportation  
1120 N Street, MS36  
Sacramento, CA 95814

Ms. Deborah Wong  
CSAA  
Transportation & Environmental Policy Specialist,  
Government Affairs,  
AAA Northern California, Nevada & Utah,  
3055 Oak Road, MS W520,  
Walnut Creek, CA 94597

Mr. Jacob Babico  
CSAC  
Chief of Traffic Division, DPW  
San Bernardino County  
825 East Third Street  
San Bernardino, CA 92415

Chief Steve Lerwill/  
Chief Robert Maynard  
CHP  
California Highway Patrol  
601 N. 7th Streets  
Sacramento, CA 95811

Mr. Jeff Knowles  
LOCC  
Deputy Director Public Works  
City of Vacaville  
650 Merchant Street  
Vacaville, CA 95688

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

**2009 ALTERNATE MEMBERS**

Mr. Mark Greenwood LOCC	Public Works Director City of Palm Desert 73-510 Fred Waring Dr. Palm Desert, CA 92260
Mr. John Presleigh CSAC	Director of Public Works Santa Cruz County 710 Ocean St., Room 410 Santa Cruz, CA 95060
Mr. Devinder Singh Caltrans	Division of Traffic Operations California Department of Transportation 1120 N Street, MS36 Sacramento, CA 95814
Ms. Deborah Wong CSAA	Transportation & Environmental Policy Specialist, Government Affairs, AAA Northern California, Nevada & Utah, 3055 Oak Road, MS W520, Walnut Creek, CA 94597
Mr. George Johnson CSAC	Transportation Director, DPW Riverside County P.O. Box 1090, Riverside, CA 92502
Sergeant Janice Campbell CHP	California Highway Patrol 601 N. 7 <sup>th</sup> Street Sacramento, CA 95811
Mr. Larry Patterson LOCC	Director Public Works City of San Mateo 330 West 20 <sup>th</sup> Avenue San Mateo, CA 94403
Ms. Marianne Kim ACSC	Auto Club of Southern California 3333 Fairview Road Costa Mesa, CA 92626 (714) 885-2331

**SECRETARY**

Mr. Devinder Singh	Senior Transportation Engineer Caltrans Executive Secretary, CTCDC 1120 N Street, MS36 Sacramento, CA 95814
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ACSC – Auto Club of Southern California  
CSAC – California State Association of Counties  
CSAA – California State Automobile Association  
LOCC – League of California Cities  
CHP- California Highway Patrol

**2009 MEETINGS**

<b>Date</b>	<b>Location</b>
January 15, 2009	600 6 <sup>th</sup> Street, Lincoln, CA 95648
March 19, 2009	1120 N Street, Sacramento, CA 95814
May 14, 2009	Caltrans D7, Los Angeles, CA 91102
September 24, 2009	150 E San Fernando Street, San Jose CA 95112

**2009 CTCDC AGENDA ITEMS****Public Hearings:****Item No.      Title**

- 07-17    Proposal for C17A (CA) ROAD WORK Plaque and Amendment to CA MUTCD Section 6F.104
- 08-8     Bicycle and Motorcycle Detection at New or Upgraded Signalized Intersections
- 08-17    Proposal to adopt California Alternative Fuel signs as optional signs (formally known as “BIODIESEL” plaque and the “Ethanol 85 (E85)” signs
- 09-1     Proposal to amend policies for Unincorporated Community, City Limit Signs and County Line Signs (Formally listed as Item No. 08-9)
- 09-2     Amendment to Section 2A.22 Maintenance of the CA MUTCD
- 09-3     Amendment to Section 6F.63 Type I, II, or III Barricades
- 09-4     Amendment to Sections 8D.05 and 10D.04 of the CA MUTCD
- 09-5     Amendment to CA MUTCD Sections 2B.03 Size of Regulatory Signs and 2C.04 Size of Warning Signs
- 09-6     Amendment to CA MUTCD Section 2D.45 General Service Signs (D9 Series)
- 09-7     Frequent Stopping & Backing – Stay Back 100 ft Sign
- 09-8     Defining Speed Category for Sign Spacing Table 6C-1
- 09-10    Section 2B.13 Speed Limit Sign (R2-1) of CA MUTCD
- 09-17    California MUTCD Revision to include National MUTCD 2003 Revision No. 2 Maintaining Traffic Sign Retroreflectivity And other Miscellaneous Policies Recommend by the CTCDC
- 09-19    Proposal to Amend CA MUTCD Section 1A.10
- 09-20    Proposed Amendment to CA MUTCD Introduction
- 09-23    Proposal to add NO PARKING signs during School days to CA MUTCD Section 2B.39

**Request for Experimentations:**

- 09-9     Request to Experiment with Steady Red Stop Line Light
- 09-13    Experiment Request for the USAGE OF “HOV” IN LIEU OF “CARPOOL” Signage Related to the Los Angeles EXPRESS LANES
- 09-14    Experiment request for the Usage of “TRANSIT LANE” in lieu of “CARPOOL” Signage
- 09-21    Request for Permission to Experiment with Separated/Protected Bikeway on the Left Side of Two-Way Streets (Rte 9-112E)
- 09-22    Request to Experiment with a Collision Countermeasure System for Unsignalized Intersections by the County of San Luis Obispo.

**Discussion Items:**

- 09-10 Section 2B.13 Speed Limit Sign (R2-1) of CA MUTCD
- 09-11 Slogan Broken Heart
- 09-12 Variable Speed Limit Signs
- 09-15 Non-standard Traffic Control devices on Public Roadways
- 09-16 Signage, Intersection Design, and the 3.0 Second Minimum Yellow for Turning Movements Monitored by Red Light Cameras

**Information Items:**

- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)
- 05-10 Proposal for the Watershed Boundary Signs
- 06-12 No Parking Signs
- 09-17 California MUTCD Revision to include National MUTCD 2003 Revision No. 2 Maintaining Traffic Sign Retroreflectivity
- 09-18 American Recovery and Reinvestment Act Project Funding Sign Assembly

**COMMITTEE ACCOMPLISHMENTS:**

- 07-17 Proposal for C17A (CA) ROAD WORK Plaque and Amendment to CA MUTCD Section 6F.104**  
 CTCDC recommended adopting the proposed policy for reduced speed limits in temporary traffic control (TTC) zones, the WORK ZONE Plaque and END WORK ZONE SPEED LIMIT Sign into the California MUTCD with minor changes. The policy has been included in the CA MUTCD 2010.
- 08-8 Bicycle and Motorcycle Detection at New or Upgraded Signalized Intersections (Required due to AB 1581)**  
 CTCDC recommended adopting the proposed policy with minor changes. The policy has been included in the CA MUTCD 2010.
- 08-17 Proposal to adopt California Alternative Fuel signs as optional signs (formally known as “BIODIESEL” plaque and the “Ethanol 85 (E85)” signs)**  
 CTCDC recommended adopting the proposed signs as were submitted by Caltrans. The policy has been included in the CA MUTCD 2010.
- 09-1 Proposal to amend policies for Unincorporated Community, City Limit Signs and County Line Signs (Formally listed as Item No. 08-9)**  
 Caltrans received an inquiry from an individual regarding the location of City Limit/County Line signs. The current policies for placement of City Limit and County Line signs shown in the California MUTCD Section 2D.48 are different. The policy for City Limit (and Unincorporated Community) signs is a Standard (“shall”) while the County Line sign is Guidance (“should”). For consistency and to remove ambiguity, Caltrans proposes making both policies Guidance (“should”) for the actual location criteria of these signs.  
 CTCDC recommended adopting the policy as proposed by Caltrans. The policy has been included in the CA MUTCD 2010.
- 09-2 Amendment to Section 2A.22 Maintenance of the CA MUTCD**  
 CA MUTCD Section 2A.22 Maintenance talks about the proper positioning, maintenance and inspection of the signs for visibility. It also says that Employees of highway, law enforcement, and other public agencies whose duties require that they travel on the roadways should be encouraged to report any damaged, deteriorated, or obscured signs at the first opportunity. However, the policy does not cover “missing” signs. The addition of “missing” signs is an appropriate amendment.  
 CTCDC recommended adding the word “missing” as proposed by Caltrans. The policy has been included in the CA MUTCD 2010.
- 09-3 Amendment to Section 6F.63 Type I, II, or III Barricades**  
 Caltrans requested that the Committee recommend retaining the National MUTCD requirement (“shall”) for orientation of barricade stripes in the direction road users are to pass instead of the current California MUTCD amendment which makes it a recommendation (“should”).  
 CTCDC recommended adopting the proposal as proposed by the Caltrans. The policy has been included in the CA MUTCD 2010
- 09-4 Amendment to Sections 8D.05 and 10D.04 of the CA MUTCD**  
 FHWA recently brought to Caltrans attention the language in Parts 8 and 10 of the September 2006 California Manual on Uniform Traffic Control Devices (CA MUTCD). FHWA believes it may not be in substantial compliance with the National MUTCD. In the Sections discussing Four-Quadrant Gate Systems, it appears that the strikeouts in the CA MUTCD may reduce the

requirements imposed by the National MUTCD. Caltrans proposed that the language of concern be restored in the CA MUTCD, with amendments, to address FHWA concerns.

CTCDC recommended restoring the strikeout language as proposed by Caltrans. The policy has been included in the CA MUTCD 2010.

- 09-5 Amendment to CA MUTCD Sections 2B.03 Size of Regulatory Signs and 2C.04 Size of Warning Signs**  
CTCDC recommended adopting the proposed policy subject to the revision of School Plaque Signs as shown in “Table 7B.1” which were recommended by the Committee under agenda Item 07-1.
- 09-6 Amendment to CA MUTCD Section 2D.45 General Service Signs (D9 Series)**  
CTCDC recommended adopting the proposed policy with minor changes which clarifies that the local agency is responsible for verifying their roadways, if they meet the STAA signage requirements.
- 09-7 Frequent Stopping & Backing – Stay Back 100 ft Sign**  
Caltrans requested the use of CAUTION – FREQUENT STOPPING AND BACKING STAY BACK 100 FEET or similar wording sign for use on work vehicles such as snow graders to improve road user and worker safety.  
CTCDC recommended adopting the proposed policy and sign. The policy has been included in the CA MUTCD 2010.
- 09-8 Defining Speed Category for Sign Spacing Table 6C-1**  
CTCDC recommended adopting the proposed amended to Table 6C-1 by deleting the “urban and ruler” from the first column, by replacing “road type” with “speed limit”, and adding “minimum” to the table heading. The policy has been included in the CA MUTCD 2010.
- 09-17 California MUTCD Revision to include National MUTCD 2003 Revision No. 2 Maintaining Traffic Sign Retroreflectivity And other Miscellaneous Policies Recommend by the CTCDC**  
CTCDC recommended adopting the revised California MUTCD as was posted on the website as the official traffic control devices manual for California. The CA MUTCD 2010 was adopted by Caltrans on January 21, 2010 and has been posted on the following website:  
[http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca\\_mutcd2010.htm](http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd2010.htm)
- 09-19 Proposal to Amend CA MUTCD Section 1A.10**  
CTCDC recommended adopting the amended Section 1A.10 of the CA MUTCD as was proposed. The proposal asks local agencies to receive approval from the CTCDC when they receive direct approval from FHWA. The policy has been included in the CA MUTCD 2010.
- 09-20 Proposed Amendment to CA MUTCD Introduction**  
Caltrans proposed the following amendment to the CA MUTCD as shown in red:
- Any traffic control device design or application provision contained in this Manual shall be considered to be in the public domain. Traffic control devices contained in this Manual shall not be protected by a patent, trademark, or copyright, except for the Interstate Shield and any other items owned by FHWA. The Caltrans “ct” symbol, and “Caltrans” logotype are registered service marks; and, if used on traffic control devices, shall follow the conditions of Deputy Directive DD-33-R1, dated 2/26/2008.
- Introduction November 20, 2009
- CTCDC recommended adopting the proposed amendment. The policy has been included in the CA MUTCD 2010.

- 09-23 Proposal to add NO PARKING signs during School days into the CA MUTCD Section 2B.39**  
**CTCDC suggested that the current signs could be used to address the concerns raised by San Bernardino County (SBC). The Committee members had a difference of opinion on this proposal. CTCDC asked SBC to bring revised language of the CA MUTCD to the next meeting to see if the Committee would like to take action on this proposal.**

**Request for Experimentation:**

- 09-9 Request to Experiment with Steady Red Stop Line Light**  
**CTCDC authorized experimentation requested by the City of Los Angeles to conduct an experiment with “steady red stop line lights” that supplement the traffic signal indications at five intersections along the Metro Orange Blue Lines.**
- 09-13 Experiment Request for the USAGE OF “HOV” IN LIEU OF “CARPOOL” Signage Related to the Los Angeles EXPRESS LANES**  
**Experimentation was authorized as requested by Caltrans.**
- 09-14 Experiment request for the Usage of “TRANSIT LANE” in lieu of “CARPOOL” Signage**  
**Experimentation was authorized as requested by Caltrans.**
- 09-21 Request for Permission to Experiment with Separated/Protected Bikeway on the Left Side of Two-One Way Streets (Rte 9-112E)**  
**CTCDC authorized experimentation requested by the City of Long Beach to conduct an experiment with “Separated/Protected Bikeway”.**
- 09-22 Request to Experiment with a Collision Countermeasure System for Unsignalized Intersections by the County of San Luis Obispo.**  
**CTCDC denied the experimental request and suggested that there are existing tools available to address the concerns raised by the County.**

**Discussion Items:**

- 09-10 Section 2B.13 Speed Limit Sign (R2-1) of CA MUTCD**  
**The Committee suggested considering the following in the development of Speed Limit Policy: The Committee suggested using “generic statement” instead of using “justified by a registered engineer in the Engineering and Traffic Survey”. Also, the Committee suggested using “consultation or coordination with the local enforcement agency” instead of using “concurrence from the law enforcement agency”.**
- 09-11 Slogan Broken Heart**  
**The Committee suggested that Caltrans and the City of Gustine find a way to use the Broken Heart Logo. It was suggested to place it in the crosswalk.**
- 09-12 Variable Speed Limit Signs (VSLs)**  
**The Committee raised questions regarding the enforcement issue, because CHP can not use CVC 22355 for the citations. The Committee also inquired how to do an E&TS for VSLs and suggested to use warning speed signs and try hot lanes.**

- 09-15 Non-standard Traffic Control devices on Public Roadways**  
CTCDC heard the comments from several speakers and stated that the subject matter is not under the purview of the Committee and the Committee does not have enforcement power. The Committee decided to take NO action and item was closed.
- 09-16 Signage, Intersection Design, and the 3.0 Second Minimum Yellow for Turning Movements Monitored by Red Light Cameras**  
CTCDC stated that this matter was discussed and the policy was revised to clarify the Minimum Yellow Timing for the left turn movement and the speed limit to be used for the determination of minimum Yellow Timing. No further action is required.

### **Information Items**

- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)**  
MTC provided an update for the ongoing experimentation.
- 05-10 Proposal for the Watershed Boundary Signs**  
The policy has been included in the CA MUTCD 2010.
- 06-12 No Parking Signs**  
The policy has been included in the CA MUTCD 2010.
- 09-17 California MUTCD Revision to include National MUTCD 2003 Revision No. 2 Maintaining Traffic Sign Retroreflectivity**  
The policy has been included in the CA MUTCD 2010.
- 09-18 American Recovery and Reinvestment Act Project Funding Sign Assembly**  
Caltrans shared the policy and specifications for the American Recovery and Reinvestment Act sign with the Committee members. The sign policy and specs has been posted on the following website link:  
<http://www.dot.ca.gov/hq/traffops/signtech/signdel/policy.htm>

**SUMMARY OF ACCOMPLISHMENTS 2009:**

- 1 item carried over from 2007
- 2 items carried over from 2008
- 26 items considered in 2009
- 23 items introduced in 2009
- 17 item completed in 2009
- 4 items approved for experimentation in 2009
- 1 item was not approved for experimentation in 2009
- 4 items no action recommended in 2009

**ITEMS CARRIED INTO FUTURE YEAR:**

09-23 Proposal to add NO PARKING signs during School days into the CA MUTCD Section 2B.39

**ITEMS APPROVED FOR EXPERIMENTATION:**

- 09-9 Request to Experiment with Steady Red Stop Line Light
- 09-13 Experiment Request for the USAGE OF “HOV” IN LIEU OF “CARPOOL” Signage Related to the Los Angeles EXPRESS LANES
- 09-14 Experiment request for the Usage of “TRANSIT LANE” in lieu of “CARPOOL” Signage
- 09-21 Request for Permission to Experiment with Separated/Protected Bikeway on the Left Side of Two-Way Streets (Rte 9-112E)

**STATUS OF CALTRANS ACTION ON PAST ITEMS:**

The revised Supplemental School Plaques (S4-3, W16-7p and W16-9p) signs will be discussed during the Workshop on April 14, 2010 and “Item 07-1” will be placed on the CTCDC agenda for final action.

- 07-1 Proposal to revise the sizes for the Supplemental School Plaques (S4-3, W16-7p and W16-9p)

**MISCELLANEOUS**

Chief Robert Maynard and Chief Steve Lerwill were the voting members representing the California Highway Patrol during the year 2009. Ed von Borstel, voting member has retired from public service and was replaced by Jeff Knowles, Deputy Director Public Works, City of Vacaville. Larry Patterson, Public Works Director, City of San Manteo was appointed as an alternate member to represent Northern California cities.

**CTCDC Agenda, Minutes, Annual Reports, and other information are 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 2009 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 California coded 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>

MUTCD coded sign specifications are located in the FHWA Standard Highway Signs Book, available on the following FHWA website:

[http://mutcd.fhwa.dot.gov/ser-shs\\_millennium.htm](http://mutcd.fhwa.dot.gov/ser-shs_millennium.htm)

Respectfully submitted by Devinder Singh, Secretary, CTCDC