January 4, 2000

MEMBERS AND ALTERNATES,
CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE

1999 ANNUAL REPORT

This 1999 annual report of actions taken by the California Traffic Control Devices Committee is respectfully submitted in compliance with the CTCDC Bylaws.

Sincerely,

Jack M. Kletzman
Executive Secretary, CTCDC
This report is prepared in compliance with Article V of the bylaws of the California Traffic Control Devices Committee.

1999 Voting Members

Mr. Ray Mellen
Chairman, Auto Club of Southern California,
3333 Fairview Road, A131
Costa Mesa, CA 92626
Chairman

Mr. John Wallo
Vice Chairman, CSAC, San Luis Obispo County
County Engineering Department, Room 207
San Luis Obispo, CA 93408

Mr. James Larsen
Vice Chairman CSAC, Tulare County
Resource Management Agency
908 S. Giddings Street
Visalia, CA 93277

Ms. Merry Banks
California State Automobile Association,
150 Van Ness Avenue
San Francisco, CA 94102-1860

Mr. Bruce Carter
CSAC, Shasta County,
Department of Public Works,
1855 Placer Street
Redding, CA 96001

Mr. Dick Folkers
LOCC, City of Palm Desert,
73-510 Fred Waring Drive
Palm Desert, CA 92260

Mr. Gerry Meis
California Department of Transportation,
1120 N Street
Sacramento, CA 95814

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

Capt. Stan Perez
California Highway Patrol,
2555 First Avenue
Sacramento, CA 95818

Mr. Wayne Tanda
LOCC, City of San Jose,
4 North Second Street, Suite 1000
San Jose, CA 95113
San Luis Obispo, CA 93408

Secretary

Mr. Jack Kletzman
California Department of Transportation,
1120 N Street
Sacramento, CA 95814
The following alternate members were designated by the parent organizations to act in the absence of their appointed delegates:

Mr. Richard Backus  
Auto Club of Southern California,  
3333 Fairview Road, A131  
Costa Mesa, CA 92626

Lt. Pat Brunette & Lt. Teresa Becher  
California Highway Patrol,  
2555 First Avenue  
Sacramento, CA 95818

Mr. John Fisher  
LOCC, City of Los Angeles,  
Department of Transportation  
221 North Figueroa Street, Room 500  
Los Angeles, CA 90012

Mr. Jack Kletzman  
California Department of Transportation,  
1120 N Street  
Sacramento, CA 95814

Mr. Dwight Ku  
California State Automobile Association,  
980 Ninth Street, Suite 1520  
Sacramento, CA 95814

Mr. James Larsen  
CSAC, Tulare County Resource Management Agency  
908 S. Giddings Street  
Visalia, CA 93277

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

Mr. John Presleigh  
CSAC, Santa Cruz County Department of Public Works  
701 Ocean Street  
Santa Cruz, CA 95060

Mr. John Squier  
CSAC, Los Angeles County Department of Public Works,  
900 South Fremont Avenue  
Alhambra, CA 91803

Mr. Ed Von Borstel  
LOCC, City of Modesto,  
Department of Public Works,  
P.O. Box 642  
Modesto, CA 95353

**MEETINGS**

March 18, 1999  
County Council Chambers  
Marin County Civic Center  
San Rafael

July 22, 1999  
District Auditorium  
Caltrans, District 11  
San Diego

November 19, 1999  
Headquarters Auditorium  
Caltrans, Headquarters  
Sacramento
## 1999 CTCDC
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**Information Items**

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COMMITTEE ACCOMPLISHMENTS

Item 90-7 The Committee recommended warrants for bicycle signal heads to be used when a separate bicycle signal phase is needed.

Item 96-3 The Committee recommended acceptance of the dynamic illuminating left turn yield sign as an alternate to the current R-73 sign.

Item 98-4 The Suggested Yellow Phase Signal Intervals and the Suggested Detector Setback Table in Chapter 9 of the Traffic Manual had been corrected and converted to metric units. The Committee found a change but that change had been made at a prior time. The Committee agreed with the rational of the change and the revised tables.

Item 99-2 The Committee recommended adoption of the MUTCD approved SHARE THE ROAD plate for roads where motorists share the road with bicycles or golf carts.

Item 99-3 The Committee endorsed CCB Resolution 98B-7 which called for the installation of a pedestrian audible signal on each corner, at which pedestrian crossings are permitted, at any intersection which has an audible signal. The Committee also endorsed the first and third portions of CCB Resolution 98B-16 which reaffirms existing State guidelines and that extensive research be done on technology, prior to changing State standards, to insure equivalent safety and access at signalized crossings. The second portion was endorsed, with the amendment, to have a process for prioritizing the placement of audible pedestrian signals at warranted locations.

Item 99-4 The Committee determined that a plastic polycarbonate STOP sign is a product and not a new device.

Item 99-5 The Committee declined to recommend a SPEED RADAR ENFORCED COUNTY WIDE sign.

Item 99-6 The Committee declined to recommend special signing where organizations and various jurisdictions have adopted a safety corridor approach to reduce accidents.[Caltrans approved this sign.]

Item 99-7 The Committee recommend approval of a series of ADOPT A HIGHWAY signs. They declined such a recommendation for the heart shaped insert. No motion was made for the wild flower planting symbol because of a lack of comprehension of the symbol and a question of why a one time task deserves a sign. [Caltrans approved all the signs.]

Item 99-9 Notwithstanding laboratory findings to the contrary, the Committee considered an internally illuminated raised pavement marker to be standard. Should the Caltrans laboratory find a problem with a 50 MHz device producing a steady burn or an intensity too high for motorists, then permission to experiment to rectify these problems has been granted to the City of Orange.

Item 99-10 The Committee approved an experiment by the City of Los Angeles to test tactile pedestrian indicators, subject to the concurrence of the California Council for the Blind and the Southern California Association of Orientation and Mobility Specialists.

Item 99-12 The Committee concurred with a Caltrans experiment for special pavement markings across the Pacific Coast Highway designed to slow motorists as they approach crosswalks, and to focus drivers attention on pedestrians.
COMMITTEE ACCOMPLISHMENTS (continued.)

Item 99-13 The Committee concurred with a Caltrans experiment to put internally illuminated steady burn, yellow, raised pavement markers on top of a median barrier. The median barrier is in the Mclure Tunnel in Santa Monica and has an accident history.

Item 99-14 The Committee concurred with changing from the NATURAL GAS plate to CNG and LNG diamond symbol signs, independent of a gasoline pump icon. It further concurred with a revised policy increasing the allowable distance form the freeway to three miles, with appropriate trailblazers.

Item 99-16 Under a Federal mandate to close Crenshaw Blvd in the City of Torrence when there might be releases of toxic material from a plant, Mobil Oil informed the Committee that they were going to use railroad type crossing guards. Although there is no railroad, the consensus of the Committee was not to act on the issue.

Item 99-17 The Committee concurred with changing the Traffic Manual to allow signing to Indian reservations recognized by the Federal government and the proposed signs.

Item 99-18 The Committee approved an experiment by the City of Anaheim to use flashing LEDs on stop bars. The color scheme is to match the yellow and red phases of the traffic signal. The proposed experiment is an attempt to reduce accidents caused by distracted motorists creeping over the stop bar at a theme park.

SUMMARY OF ACCOMPLISHMENTS 1999

| I | item carried over from 1990 |
| I | item carried over from 1994 |
| I | item carried over from 1996 |
| II | items carried over from 1998 |
| XVIII | items introduced in 1999 |
| XX | items considered in 1999 |
| I | item not considered in 1999 |
| XVII | items completed in 1999 |
| II | items withdrawn in 1999 |

ITEMS CARRIED INTO FUTURE YEARS

Item 94-10 PEDESTRIAN SIGNAL HEAD
Item 99-1 GAPS FOR PEDESTRIAN CROSSINGS
Item 99-8 MUTCD EXPERIMENTAL PROCESS

ITEMS WITHDRAWN OR DELETED 1999

Item 98-2 FLASHING YELLOW ARROW SIGNAL
Item 99-15 ELECTRIC VEHICLE CHARGING SYMBOL SIGN

ITEMS NOT CONSIDERED 1999

Item 99-11 MUTCD ADOPTION BY CALTRANS
OTHER ITEMS

Item 92-22  GOLF CART SYMBOL SIGN
Awaiting symbol sign from FHWA.

Item 93-18  CROSS WALKS, SEQUENTIAL LIGHTING
Caltrans is conducting further testing.

Item 96-7  SPEED LIMIT SIGNING
Caltrans is reviewing the Committee’s recommendation.

STATUS OF EXPERIMENTAL ITEMS

Item 90-7  BICYCLE SIGNAL HEADS
Caltrans developing warrants.

Item 94-10  PEDESTRIAN SIGNAL HEAD
Committee is waiting to obtain various test reports by others.

Item 96-3  ILLUMINATED LEFT TURN YIELD SIGNS
Caltrans developing Standard Plan.

Item 97-9  ELECTRIC MESSAGE SIGNS AND ARROW BOARDS
Funding could not be obtained for an independent study. A more modest experiment is underway.

MISCELLANEOUS

Mr. Bruce Carter of Shasta County has retired and is being replaced by Mr. Farhad Mansourian of Marin County. Mr. John Presleigh of Santa Cruz County will become the CSAC alternate representative for Northern California. Capt. Stan Perez has been appointed to represent the California Highway Patrol. Mr. John Wallo of San Luis Obispo County has retired and is being replaced by Mr. Jim Larsen of Tulare County. Mr. John Squier of Los Angeles County will become the CSAC alternate representative for Southern California. Mr. Jack Kletzman of Caltrans is retiring.

CTCDC Agenda, Minutes, Annual Reports, and other information is available on the Internet at "www.dot.ca.gov/hq/traffops" under Signs and Delineation.

Additional information regarding the minutes of the CTCDC meetings held during 1999 may be obtained upon request from the Executive Secretary or any member of the California Traffic Control Devices Committee.

Respectfully submitted,

Jack M. Kletzman
Executive Secretary, CTCDC
(916) 654-4715
SIGN SPECIFICATIONS

All additions, revisions and deletions of approved sign specifications made by Caltrans during 1999, will be distributed under separate cover.

As provided in California Vehicle Code Sections 212400 and 21401, a list of approved signs for use on streets and highways in California is available from the Caltrans Manuals and Publications Unit, 1900 Royal Oaks Drive, Sacramento, CA 95815.