

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE (CTCDC) AGENDA
November 4th, 2021 (09:00 A.M. to END)**

WebEx Information

<https://cadot.webex.com/cadot/onstage/g.php?MTID=e2b8147450d706e8ffcf0c56f921395f6>

You may also call in using the number and access code below.

Note: Call-in participants will not be able to make comments during the meeting.

Phone: (408-418-9388), Access code: (2490 832 2851)

The Meeting is open and public/local agencies are invited to attend. For further information regarding this meeting, please contact Johnny Bhullar at (916) 662-2397, or email Johnny.Bhullar@dot.ca.gov. Additional information on CTCDC can be found at <https://dot.ca.gov/programs/safety-programs/ctcdc>.

Organization Items

1. Introduction

2. Membership

New LOCC Appointment (Jason Welday)

3. Approval of Minutes of the August 12th, 2021 Meeting

[August 12th, 2021 CTCDC Meeting Minutes](#)

4. Public Comments

At this time, members of the public may comment on any item not appearing on the agenda. Matters presented under this item cannot be discussed or acted upon by the Committee at this time. For items appearing on the agenda, the public is invited to make comments at the time the item is considered by the Committee.

1. Public comment on items not appearing on the agenda shall be limited to a maximum of 5 minutes each. Total public comment period prior to agenda items shall not exceed 20 minutes. The 20 minutes can be proportioned accordingly if there are more than four speakers wishing to speak. Or an additional public comment period on items not appearing on the agenda can be heard after all agenda items are heard.
2. Public comment on agenda item shall be limited to 3 minutes.
3. During public comments, a member of public may speak only once per agenda item unless specifically requested by a majority of the CTCDC to come back and comment again.
4. Longer comments should be provided in writing 10 days prior to the meeting.

Local agencies conducting experiments should incorporate public feedback (if any input was received) in the status report and/or the Final Report. The merits of an experiment's success will be based on the identified problem or issue the Local/State Agency has identified when requesting permission to experiment. Local/State policies decision are not for CTCDC debate or CTCDC public comment as the CTCDC evaluates the technical merits of the experiment and how well it addressed the identified problem or issue.

When addressing the Committee, for the record please state your name, address, and business or organization you are representing.

5. Updates on items under experimentation

Discussion and direction to agencies with current items under experimentations

Agenda Items

6. Public Hearing

Prior to adopting rules and regulations prescribing uniform standards and specifications for all official traffic control devices placed pursuant to Section 21400 of the California Vehicle Code, the Department of Transportation is required to consult with local agencies and hold public hearings.

6a. Consent Items (minor discussion with vote expected)

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
None				

6b. Action Items (Continuing discussion from prior meetings with vote expected)

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
21-12	Proposal to modify preferential lane striping in the CA MUTCD	Caltrans	Lee Haber / Joe Rouse	13

6c. Information Items (New items that may be voted on or brought back as an Action Item in a future meeting)

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
21-09	Interim Approval for the Optional Use of an Alternative Signal Warrant 7 - Crash Experience (IA-19)	Caltrans	Lee Haber / Johnny Bhullar	14
21-15	TRUCKS OK Panels on Overhead Arrow-per-Lane Signs	Caltrans	Lee Haber / Johnny Bhullar	15

21-16	Assembly Bill (AB-43) on Traffic Safety Signed by Governor 10-08-2021 relating to speed limits	Caltrans	Lee Haber / Johnny Bhullar	16
21-19	Proposal to add options to cones and portable delineators allowing retroreflectorization to bases	Caltrans	Lee Haber / Russ Wenham	17
21-20	Proposal to edit figures for red reflectors on exit ramps to address recessed marker issues	Caltrans	Lee Haber / Russ Wenham	18
21-21	Proposal to add figures and to make text revisions for temporary traffic control at roundabouts	Caltrans	Lee Haber / Russ Wenham	19
21-22	Planned editorial changes to Part 3 and Part 9 to incorporate green-colored pavement, bikeway separator post and editorial cleanup	Caltrans	Lee Haber / Russ Wenham	20

6d. Request for Word Message Signs Approval

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
None				

6e. Request for Experimentation

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
21-17	Request to allow Dual Language (Spanish and English) Changeable Message Sign Messages	Caltrans District 8	Lee Haber / Catalino Pining III	21

7. **Next Meeting**
TBD

8. **Adjourn**

2. Membership

Mr. Wedlay appointment by the League of California Cities (LOCC) to represent the league as their southern California cities representative and a voting member of the CTCDC.

MEMBER AGENCIES –

California Traffic Control Devices Committee

California Department of
Transportation California Highway Patrol California State
Association of Counties League of California Cities California State Automobile
Association
Automobile Club of Southern California



October 6, 2021

Mr. Jason Welday
Director of Engineering/City Engineer
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Dear Mr. Welday:

Congratulations on your recent appointment by the League of California Cities (LOCC) to represent the league as their southern California cities representative, and a voting member on the California Traffic Control Devices Committee (CTCDC). I would like to welcome you to join the CTCDC and thank you in advance for accepting this nomination and volunteering to assist the CTCDC in our efforts to improve safety of all road users in California.

I will schedule an introductory meeting to familiarize you with the CTCDC meetings and the process involved in revising the CA MUTCD. I will also discuss your role and responsibilities as a voting member on the CTCDC. Information on the CTCDC, including meeting agendas and minutes, brochure with member listings, annual reports and other details are available on the CTCDC web page available per following web link:

<https://dot.ca.gov/programs/safety-programs/ctcdc>

The next CTCDC meeting is scheduled to be conducted on November 4, 2021.

If you have any questions, please feel free to call me at (916) 662-2397.

Sincerely,

Gurinderpal (Johnny) Bhullar
Executive Secretary, CTCDC
1120 N Street, MS-36
Sacramento, CA 95814

Bhullar, Gurinderpal S@DOT

From: Bhullar, Gurinderpal S@DOT
Sent: Wednesday, October 6, 2021 11:51 AM
To: jason.welday@cityofrc.us
Cc: Zachary Seals; Fleisch, David; Bronkall, Bob; Haber, Lee J@DOT; Mohabbat, Hasibullah@DOT
Subject: FW: California Traffic Control Devices Committee Appointment
Attachments: LOCC SoCal Appt Jason Welday CTCDC Voting Member (GSB 10-06-2021).pdf

Mr. Welday,

(CTCDC Appointment Letter for Jason Welday attached)

Congratulations on your recent appointment by the League of California Cities (LOCC) to represent the league as their southern California cities representative, and a voting member on the California Traffic Control Devices Committee (CTCDC). I would like to welcome you to join the CTCDC and thank you in advance for accepting this nomination and volunteering to assist the CTCDC in our efforts to improve safety of all road users in California.

I will have Hasib from our office schedule an introductory meeting with you to familiarize you with the CTCDC meetings and the process involved in revising the CA MUTCD. I will also discuss your role and responsibilities as a voting member on the CTCDC. Information on the CTCDC, including meeting agendas and minutes, brochure with member listings, annual reports and other details are available on the CTCDC web page available per following web link:

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The next CTCDC meeting is scheduled to be conducted on November 4, 2021.

If you have any questions, please feel free to call me at (916) 662-2397.

Gurinderpal (Johnny) Bhullar, P.E., T.E.

Traffic Control Devices & Legal Liaison
Office of Traffic Safety Systems & Devices
Caltrans, Division of Safety Programs
1120 N St., Sacramento, CA 95814

916-662-2397 (Cell.)

johnny.bhullar@dot.ca.gov



From: Zachary Seals <zseals@calcities.org>
Sent: Friday, October 1, 2021 11:11 AM
To: Bhullar, Gurinderpal S@DOT <johnny.bhullar@dot.ca.gov>
Subject: California Traffic Control Devices Committee Appointment

EXTERNAL EMAIL. Links/attachments may not be safe.

Hello Gurinderpal,

I am pleased to announce that we are able to inform you that we have selected an appointment for the California Traffic Control Devices Committee. We thank you for your patience as we moved through our nomination process. Please see below for contact information for our appointee. Will you be reaching out to them with next steps on participating in the committee, or shall I send them an email connecting them with you?

Southern CA Appointee - Jason Welday, Director of Engineering/City Engineer, Rancho Cucamonga,
Jason.Welday@cityofrc.us

Thank you,

Zach Seals

Administrative Associate, Member Services
League of California Cities
Office: 916-658-8204
zseals@calcities.org | www.calcities.org



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5. Updates on items under experimentation

- 15-12 Evaluation of Traffic Calming in Treatments in Princeton, CA (Mike Sallaberry)
Status: 1/11/2019- Final report is being drafted.
Status: 6/20/2018 Caltrans is currently re-surfacing the southern portion of the experimental segment of the project. They should have the experimental striping back in place by the end of next week. Once the striping is replaced, we will collect one more round of data as the visual impact of new pavement with new striping may prove to be a better combination. I'd expect a final report to Caltrans, CTCDC, and FHWA by the end of the calendar year.
Scott M. Lanphier, PE, CFM
Director of Public Works+
1215 Market Street
Colusa, CA 95932
slanphier@countyofcolusa.org
- 16-08 Request for Permission to Experiment with the Diagonal Down Yellow Arrow Lane Use Control Signal Indications on Freeway (Monica Kress-Wooster)
Status Date 6/25/2018 District 4 has not implemented experimental graphics yet on the LUS on I-80 due to the opening of the Richmond San Rafael Bridge 3rd Lane Project opening to traffic on April 20, 2018. The RSR Bridge also has the same lane use signs that control the part-time lane, and RSR Bridge connects to the I-80 corridor. Caltrans did not want to confuse the drivers with diagonal down yellow arrows on I-80, when the RSR Bridge 3rd Lane LUS displayed Yellow X. Caltrans is reaching out to FHWA to add RSR Bridge to the experiment.
Status Date- 08/04/2017 Before data is being collected. The data will be collected till fall 2017.
Status Date-08/31/2016 FHWA had provided approval to the request for experimentation
David Man
Caltrans District 4-Senior Transportation Engineer – Electrical
- 16-09 Request for Permission to Experiment with the Messages and Graphics on Dynamic Message Signs on Freeway (Monica Kress-Wooster)
Status Date- 6/25/2018 District 4 has started displaying some experimental messages during major incidents with no reported issues. We are moving forward with testing the 4-5 line experimental travel time messages along with BART transit travel times this summer – the experimental messages will be ON throughout the day. Caltrans had some technical delays with BART on exchanging the travel time information from their system, but all issues appeared to be resolved. UC Berkeley recently completed the human factors lab testing of the GRIP aka Congestion Maps display, and researchers are proceeding with driver simulation studies with hopes to submit results to FHWA at the end of 2018 with the goal of live field testing in 2019. The UC Berkeley Study is managed by DRISI.
Status Date- 08/04/2017 Before data is being collected. Experimental six line display message concepts on the six information display boards will be displayed in fall 2017
Status Date-12/9/2016 FHWA had provided approval to the request for experimentation
David Man
Caltrans District 4-Senior Transportation Engineer – Electrical

- 16-23 Request to experiment with Green backed sharrow in Goleta, CA (Bryan Jones)
Status: 6/29/18 The City has had some delays with our pavement maintenance program for this year and next year. It had been identified that the area of Hollister Ave where we had identified for placement of the Green-backed sharrows was in need of an overlay. We wanted to wait until after the pavement rehabilitation before placing the sharrows since they are expensive to put down. I can provide more information and a schedule for placement once the pavement maintenance projects are scheduled. The pre-construction counts and observations have been completed, the sharrows have not been placed yet.
Status: 11/16/2017 Green backed share lane markings were not installed and agency is waiting for the completion of the slurry seal project which is scheduled to be completed in spring-summer 2018.
Status Date-7/17/2017- The City has completed the before conditions observations. Currently waiting to place the Sharrows until after a needed slurry seal is placed in the project area and it is anticipated that the slurry will be placed late this summer.
Status Date-1/10/2017
The experiment is ongoing. Traffic counts and video data were collected for the before condition observations with standard white shared lane markings on Hollister Avenue in the fall of 2016. The installation of the experimental green-backed sharrows will occur in the next couple months following completion of a roadway surface rehabilitation project that is scheduled for spring of this year on Hollister Avenue.
Thank you,
Teresa

Teresa Lopes, PE
Senior Project Manager
City of Goleta
P (805) 961-7563
F (805) 685-2635
tlopes@cityofgoleta.org

- 16-25 Request to experiment with through lane bicycle box, City of South Pasadena (Mike Sallaberry)
Status Date- 6/25/2018-The project is in the final stage 85% complete. The outstanding items are signage and push ped-buttons. The project is anticipated to be complete early July 2018.
Status Date- 1/18/2018 – The project is out for bid. The bid opening will be on January 30, 2018.
Status Date-10/11/2017- Before study has been completed. The engineering plans are being reviewed. The project is planned to be advertised in November and the project should be complete by January.
Status Date-7/17/2017
The "Before" study will be conducted sometime in the late summer or early autumn of this year after school starts. The "After" study will be conducted after construction, preferably at the same time of year as the "Before" study.
Status Date-1/19/2017
City of South Pasadena is in the process of collecting the "Before" Data

Margaret Lin
Principal Management Analyst
City of South Pasadena
MLin@southpasadenaca.gov

- 17-15 Request for Experimentation-Red colored pavement markings for Transit Only Lanes in left turn only lanes (Pratyush Bhatia)

Status Date – 7/13/2020 - There appears to be a trend of less vehicles entering the Transit mall. Over a 56 hour surveillance period, we had 52 vehicles enter the mall or 0.92 cars per hour, verse our 2019 data after the markings were installed of 1.03 cars per hour.

Status Date-10/15/2019- we are still seeing a decrease in the amount of errant vehicles in the Transit mall. Over a 31 hour surveillance period, we had 31 vehicles enter the mall or 1.03 cars per hour, verse our 2018 data after the markings were installed of 1.54 cars per hour.

Status Date-1/11/2019- Data will be collected in May, 2019

Robert M. Sprinkle

Transportation and Public Works - Traffic Engineering

69 Stony Circle, Santa Rosa, CA 95401

Tel. 707-543-3817

rsprinkle@srcity.org

- 17-16 Request to Experiment with Internally Illuminated Raised Pavement Markers

LA Metro (David Fleisch)

Status Date-1/14/2019 Metro put out Bids and they are expecting to receive in on January 22, 2019. Once a contractor is chosen, Metro will proceed with the installation.

Status Date-6/21/2018: The design is complete and mylar plans are circulating at the moment for approval signature.

Status Date –10/4/2017 In the process of Designing plans.

Naree Kim, P.E.

Senior Engineer

Transportation Systems

1700 Carnegie Avenue, Suite 100

Santa Ana, CA 92705

T 949.270.9566

M 949.374.0418

E nxk@iteris.com

- 18-15 Request for experimentation with modified 4-section traffic control and R10-15b sign (Andrew Maximous)

Status Date-5/18/2020- The project is currently in plan check phase.

Status Date-10/15/2019- The proposed bikeway project that is featuring the experiment is currently at plan check with the permitting City (San Diego, CA).

Izzad “Izzy” Loh, PE

Chen Ryan Associates

3900 Fifth Avenue, Suite 310 | San Diego, CA 92103

O: (619) 795-6086 | D: (619) 345-0674

iloh@chenryanmobility.com

- 19-05 Request to Experiment with Bidirectional Pavement Marking
(Monica Kress-Wooster)
Status Date-6/26/2021- We will need to ask for an extension on this Pilot.
Status Date-5/19/2020- the first of three contracts to install is going to Construction in June (approx. 15 ramps), the second likely in August (another 15 ramps) and the third in D3 on Nov-December 2021 (remaining 10 ramps).
Troy Bucko
HQ Division of Traffic Operations
Office of Traffic Safety Program
Traffic Safety Investigations Branch
916-654-5975
Troy.bucko@dot.ca.gov
- 19-08 Request to Experiment Non-standard traffic control device for Highway 1 bus on Shoulder project
(Monica Kress-Wooster)
Status Date-10/8/2020- Over the last several months, the RTC and Caltrans District 5 staff have been working to advance the design and project approvals for three segments of the proposed improvements.
District 5 Caltrans and SCCRTC
Sarah Christensen
Sr. Transportation Engineer
Santa Cruz County Regional Transportation
schristensen@scrtc.org
(831) 460-3200
- 19-11 Request to Experiment Red colored transit-only lanes
Status Date-6/26/2021- After considerable delay, we finally installed the remainder of the experimental sections of red bus lanes, just a couple weeks ago. We will be collecting our first round of post-installation data this summer and will do our best to submit the first report by the provided August 7 deadline.
Status Date-5/18/2020- FHWA approved but it took them several months. We only recently ordered material and only for one block of installation. We have not received or installed it yet.
Tim Frémaux
Senior Transportation Engineer
Valley and Western District Operations
Los Angeles Department of Transportation
(818) 473-4688
Tim.fremaux@lacity.org
- 20-08 Request for experimentation with modified 4-section traffic control, 3-section bicycle traffic control, and modified R10-15b Sign (Doug Bilse)
Status Date-10/19/2020- The City of Imperial Beach officially submitted the FHWA MUTCD Experimental Request last Wednesday (October 14), to FHWA; specifically David Kirschner

and Duane Thomas from their offices. Because the request was just submitted last week, we're still in the process of waiting to hear back on any comments or requests by FHWA.

Ryan Whipple; T.E.

Senior Traffic Engineer

Ryan.Whipple@wsp.com

- 20-09 Request for experimentation of the performance of Variable Speed Advisory (VSA) sign (Monica Kress-Wooster)
Status Date-5/18/2020- We are currently working with FHWA to check the status on Caltrans' request to get permission to experiment and evaluate the performance of Variable Speed Advisory (VSA) on State Route 99. We submitted our request on July 27, 2020 and we have not heard back. Matthew Zeller of FHWA/Office of Operations confirmed that FHWA/ MUTCD Team have received the request for experimentation and will get back to Caltrans as soon as possible.
Hassan Aboukhadijeh,
Office of Traffic Operations Research
Division of Research, Innovation and System Information
California Department of Transportation (Caltrans)
Phone: (916) 227-6216
Email: hassan.aboukhadijeh@dot.ca.gov
- 20-12 Request for approval of orange contrasted temporary pavement delineation in construction Zones
Status Date-6/26/2021- We will need to ask for an extension on this Pilot.
Status Date-9/30/2020- FHWA had provided approval to the request for experimentation
Troy Bucko-Divison of Safety Programs
Brian Hadley, C.E.
Branch Chief - District 11
Traffic Safety & Operations, North Region
(619) 688-3256 office
(858) 518-3505 cell
- 20-13 Request for approval of part-time travel on left shoulder
Status Date-3/26/2021- Sign package revised August 2020, ConOps finalized January 2021, and alternative selection completed March 2021.
Roger D. Barnes
Senior Transportation Engineer
Traffic Operations Branch Chief
Caltrans, District 5 – San Luis Obispo
(805) 549-3473 office

6. Public Hearing

6b. Action Items (Continuing discussion from prior meetings with vote expected)

Item 21-12 Proposal to modify preferential lane striping in the CA MUTCD

Recommendation: Revise CA MUTCD Section 3D.02 on longitudinal pavement markings for preferential lanes

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Joe Rouse

The proposal is provided as attachment to the agenda

6c. Information Items (New items that may be voted on or brought back as an Action Item in a future meeting)

Item 21-09 Interim Approval for the Optional Use of an Alternative Signal Warrant 7 - Crash Experience (IA-19)

Recommendation: None.

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Johnny Bhullar

Caltrans follow up correspondence with FHWA on this previous meeting proposal is provided as attachment to the agenda

Item 21-15 Adopt new TRUCKS OK panels in CA MUTCD

Recommendation: Motion by committee to recommend inclusion of the proposed changes to the CA MUTCD Section 2B.31 “TRUCKS USE RIGHT LANE Sign (R4-5)” and related Figure 2B-10(CA) and Table 2B-1(CA)

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Johnny Bhullar

The proposal is provided as attachment to the agenda

Item 21-16 Assembly Bill (AB-43) on Traffic Safety Signed by Governor 10-08-2021 relating to speed limits

Recommendation: Motion by committee to recommend inclusion of the proposed changes to the CA MUTCD Section 2B.13 “Speed Limit Sign (R2-1)” and Table 2B-101(CA).

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Johnny Bhullar

The proposal is provided as attachment to the agenda

Item 21-19 Proposed Changes to Add Options to Cones and Portable Delineators Allowing Retroreflectorization to Bases

Recommendation: Motion by committee to recommend inclusion of the proposed changes to the CA MUTCD – Section 6F.64 “Cones” and Section 6F.65 “Tubular Markers”.

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Russ Wenham

The proposal is provided as attachment to the agenda

Item 21-20 Proposed Changes to Figures for Red Reflectors on Exit Ramps to Address Recessed Marker Issues

Recommendation: Motion by committee to recommend including proposed changes to Figure 3A-114(CA) “Exit Ramp with Enhanced Pavement Markers for Wrong Way Details“ and 3B-24(CA) “Examples of Standard Arrows for Pavement Markings (Sheet 2 of 8)“ of the CA MUTCD.

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Russ Wenham

The proposal is provided as attachment to the agenda

Item 21-21 Proposal to add Figures and to make text revisions for Temporary Traffic Control at Roundabouts.

Recommendation: Motion by committee to recommend inclusion of the proposed changes to Section 6G.13 “Work Within the Traveled Way at an Intersection”, Table 6H-1(CA), and Figures 6H-106(CA), and 6H-107(CA) in the CA MUTCD.

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Russ Wenham

The proposal is provided as attachment to the agenda

Item 21-22 Planned Editorial Changes to Part 3 and Part 9 to Improve Clarity and Incorporate Green-Colored Pavement, Bikeway Separator Post & Editorial Cleanup

Recommendation: Committee review and comment.

Motion by committee to recommend inclusion of the proposed changes to the CA MUTCD - Section 3F.03 “Delineator Application” and Section 9C.102(CA) “Class IV Bikeways” regarding to bike lane separator posts.

Motion by committee to recommend Caltrans to make editorial changes throughout Part 3 and Part 9 to include green-colored pavement and address other errors.

Requesting Agencies/Sponsor: Caltrans / Lee Haber, CTCDC member / Russ Wenham

The proposal is provided as attachment to the agenda

6e. Request for Experimentation

Item 21-17 Request to allow Dual Language (Spanish and English) Changeable Message Sign Messages

Recommendation: Approve the experiment request for dual language changeable messages signs

Requesting Agencies/Sponsor: Caltrans District 8 / Lee Haber, CTCDC member / Catalino Pining III

The proposal is provided as attachment to the agenda