



# California Traffic Control Devices Committee (CTCDC) Meeting

Thursday, May 5, 2022 (09:00 am to End)



## MEETING AGENDA

### WebEx Information

<https://cadot.webex.com/cadot/onstage/g.php?MTID=e3b0c49343b600f859d481d7bd4e68292>

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: (2493 015 6243)

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](mailto: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

LOCC Appointment for southern California representative as an Alternate Member (Vacant)

#### 3. Approval of Minutes of the November 4<sup>th</sup> 2021 Meeting

[November 4<sup>th</sup>, 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.

- A. 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.
- B. Public comment on agenda item shall be limited to 3 minutes.
- C. 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.
- D. 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.



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



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 on 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>Sponsor/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>Sponsor/Lead</u>	<u>Page</u>
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	10
22-03	Clean California Funding Sign	Caltrans	Lee Haber / Sarah Horn	11

**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>Sponsor / Lead</u>	<u>Page</u>
21-16	Assembly Bill (AB-43) on Traffic Safety Signed by Governor 10-08-2021 relating to speed limits	Caltrans	Lee Haber / Johnny Bhullar	12



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6d. Request for Word Message Signs Approval**

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Sponsor / Lead</u>	<u>Page</u>
22-04	WILDLIFE CROSSING Word Message Warning Sign	San Bernardino County	David Fleisch / Jeremy Johnson	13

**6e. Request for Experimentation**

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Sponsor / Lead</u>	<u>Page</u>
19-11	Red Colored Transit Only Lanes (Expansion of experiment))	City of Los Angeles	Jason Welday / Tim Fremaux	14
22-01	Using Internally Illuminated Raised Pavement Markers (IIRPMs) to supplement traffic signals	Los Angeles County & City (LACMTA)	Jason Welday / Monica Born & Dain Pankratz	15
22-02	Using left turn gates to supplement traffic signals	Los Angeles County & City (LACMTA)	Jason Welday / Monica Born & Dain Pankratz	16
22-05	Improved Temporary Traffic Control Delineation	City of Santa Fe Springs	Jason Welday / Noe Negrete	17

7. **Next Meeting**  
August 4, 2022

8. **Adjourn**

## 2. Membership

Appointment by the League of California Cities (LOCC) to represent the league as their southern California cities representative and alternate voting member on the CTCDC is still pending with LOCC's Administrative Associate in Member Services. The position is still vacant.

## 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



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](mailto: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.



## California Traffic Control Devices Committee (CTCDC) Meeting Thursday, May 5, 2022 (09:00 am to End)



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](mailto: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@sccrtc.org](mailto:schristensen@sccrtc.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.



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



Tim Frémaux  
Senior Transportation Engineer  
Valley and Western District Operations  
Los Angeles Department of Transportation  
(818) 473-4688  
[Tim.fremaux@lacity.org](mailto: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](mailto: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](mailto: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.





**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



Roger D. Barnes  
Senior Transportation Engineer  
Traffic Operations Branch Chief  
Caltrans, District 5 – San Luis Obispo  
(805) 549-3473 office



California Traffic Control Devices Committee (CTCDC) Meeting  
Thursday, May 5, 2022 (09:00 am to End)



6. Public Hearing

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

None

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

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:**

Russ Wenham, Caltrans / Lee Haber, CTCDC member

The proposal is provided as attachment to the agenda



California Traffic Control Devices Committee (CTCDC) Meeting  
Thursday, May 5, 2022 (09:00 am to End)



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

**Item 22-03 Proposed changes to add Clean Californian Funding Sign C49 (CA) as construction project funding identification sign for use on Clean California Projects.**

**Recommendation:**

Committee review and comment.

Motion by committee to recommend inclusion of the Clean California Funding Sign C49(CA) to CA MUTCD Section 6F.109(CA) “Construction Project Funding Identification Signs”.

**Requesting Agencies/Sponsor:**

Sarah Horn, Caltrans / Lee Haber, CTCDC member

The proposal is provided as attachment to the agenda



California Traffic Control Devices Committee (CTCDC) Meeting  
Thursday, May 5, 2022 (09:00 am to End)



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

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

**Recommendation:**

This agenda item is pending Caltrans management and California State Transportation Agency (CalSTA) review and decision to ensure compliance with AB-43 provisions. No recommendation is being sought at this meeting.

**Background:**

Pursuant to the motion passed by CTCDC during the November 4, 2021 meeting, a subcommittee was formed to review Agenda Item 21-16, which is a Caltrans proposal to revise current CA MUTCD policy for setting speed limits, to comply with the recently approved Assembly Bill (AB-43). This bill revised specific Vehicle Code sections, beginning January 1, 2022. The subcommittee is comprised of 16 members affiliated with California Cities, Counties, Caltrans, CHP, automobile club, regional planning organization representatives and private consultants. The subcommittee members reviewed AB-43's revisions of the Vehicle Code and compared it to CA MUTCD current policy and the CA MUTCD policy revision proposal in a series of three, 3-hour meetings conducted virtually in December 2021. The subcommittee meeting discussions and outcome with recommendation on the proposal was shared with Caltrans management to ensure compliance with AB-43. CalSTA is reviewing the proposal and it is pending decision.

Caltrans initial proposal submitted under Agenda Item 21-16 for the November 4, 2021 CTCDC Meeting did not include the new Vehicle Code section 22358.7, that requires developing a definition for "safety corridor" and developing criteria to determine what constitutes land or facilities that generate high concentrations of bicyclists and pedestrians. This effort has been initiated and a draft proposal has been prepared. The draft proposal is being reviewed internally by Caltrans and will be shared with subcommittee members for their review and input, before it is brought to the CTCDC for further review and recommendation in a future CTCDC meeting.

**Requesting Agencies/Sponsor:**

Johnny Bhullar, Caltrans / Lee Haber, CTCDC member



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6d. Request for Word Message Signs Approval**

**Item 22-04 WILDLIFE CROSSING Warning Sign (Word Message)**

**Recommendation:**

Approve the request for using WILDLIFE CROSSING Warning Sign using word message to address multiple types of wild animals, including some for which symbols aren't available and avoid using multiple symbol signs for the different animals.

**Requesting Agencies/Sponsor:**

Jeremy Johnson, San Bernardino County PWD / David Fleisch, CTCDC Chair

The word message sign proposal request is provided as attachment to the agenda.



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6e. Request for Experimentation**

**Item 19-11 Red Colored Transit Only Lanes (Expansion of experiment)**

**Recommendation:**

Approve the request to expand the previously approved experiment currently being conducted under CTCDC experiment process to include additional locations and using thermoplastic-based material and collect more data with a revision to the data collection schedule and final report submittal date.

**Requesting Agencies/Sponsor:**

Tim Fremaux, City of Los Angeles (LADOT) / Jason Welday, CTCDC Member

The proposal request for experiment expansion is provided as attachment to the agenda.



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6e. Request for Experimentation**

**Item 22-01 Using Internally Illuminated Raised Pavement Markers (IIRPMs) to supplement traffic signals**

**Recommendation:**

Approve the experiment request for using IIRPMs to supplement traffic signals adjacent to Light Rail Transit Grade Crossing.

**Requesting Agencies/Sponsor:**

Monica Born & Dain Pankratz, Los Angeles County Metropolitan Transportation Authority (LACMTA & LAMetro) & Dain Pankratz / Jason Welday, CTCDC Member

The experiment request proposal is provided as attachment to the agenda



**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6e. Request for Experimentation**

**Item 22-02 Using left turn gates to supplement traffic signals**

**Recommendation:**

Approve the experiment request for using left turn gates to supplement traffic signals adjacent to Light Rail Transit Grade Crossing.

**Requesting Agencies/Sponsor:**

Monica Born & Dain Pankratz, Los Angeles County Metropolitan Transportation Authority (LACMTA & LAMetro) & Dain Pankratz / Jason Welday, CTCDC Member

The experiment request proposal is provided as attachment to the agenda





**California Traffic Control Devices Committee (CTCDC) Meeting**  
**Thursday, May 5, 2022 (09:00 am to End)**



**6e. Request for Experimentation**

**Item 22-05 Improved Temporary Traffic Control Delineation**

**Recommendation:**

Approve the experiment request for the implementation of improved temporary traffic delineation for use in construction work zones.

**Requesting Agencies/Sponsor:**

Noe Negrete, DPW, City of Santa Fe Springs / Jason Welday, CTCDC Member

The experiment request proposal is provided as attachment to the agenda