

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE (CTCDC) AGENDA****November 5<sup>th</sup>, 2020 (09:00 A.M. to END)****WebEx Information****(<https://cadot.webex.com/cadot/onstage/g.php?MTID=e5574b6a53da2af5d5423046d8b211e16>)**

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: (146 479 2777)

**The Meeting is open and public/local agencies are invited to attend. For further information regarding this meeting, please contact Nicolas Esquivel at (559) 488-4118, or email [Nicolas.Esquivel@dot.ca.gov](mailto:Nicolas.Esquivel@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**

No change

**3. Approval of Minutes of the July 9<sup>th</sup>, 2020 Meeting****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. Items under Experimentation****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.

**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				

**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>
20-15	Proposal to include new parking sign in the CA MUTCD-Back in Angle parking	Caltrans	Monica Kress-Wooster	9
20-16	Proposal to modify Figure 3B-24 (adding two additional turn-lane arrow details), modify Figure 3C-4 to 3C-14, and replacing Figure 3C-2 with Figure 3C-2(CA), revise sections 3B.20, 3C.01, and 3C.06	Caltrans	Monica Kress-Wooster	10
20-17	Proposal to include National Heritage Area Sign Policy in the CA MUTCD	Sacramento-San Joaquin Delta Conservancy / Caltrans	Monica Kress-Wooster	11
20-18	Proposal to add Figure and Language for Exit Ramp with Enhanced Pavement Markers for Wrong Way Details	Caltrans	Monica Kress-Wooster	12
20-22	Proposal to include new touch-free pedestrian sign in the CA MUTCD-PUSH OR WAVE AT	Caltrans	Monica Kress-Wooster	13

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

None

**Request for Word Message Signs Approval**

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
20-19	Request for approval of new word message signs	District 10 Caltrans	Monica Kress-Wooster	14
20-20	Request for approval of new word message sign-“TRAFFIC CONTROL/WAIT AND FOLLOW TRAFFIC”	Caltrans	Monica Kress-Wooster	15
20-21	Request for approval of new word message sign-“LEFT TURN YIELD ON FLASHING YELLOW ARROW.”	District 02 Caltrans	Monica Kress-Wooster	16

**Request for Experimentation**

<u>Agenda Item</u>	<u>Description</u>	<u>Submitted by:</u>	<u>Lead</u>	<u>Page</u>
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7. **Next Meeting**  
February 18, 2021

8. **Adjourn**

**5. 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 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.  
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](mailto:iloh@chenryanmobility.com)

- 18-18 Proposal for experimental use of red pavement markings at a railroad at-grade crossing  
(Monica Kress-Wooster)  
Status Date-4/8/2020- FHWA denies experiment  
Status Date-1/11/2019- Pending FHWA approval  
Stan Chow  
Transportation Engineer  
California Department of Transportation  
Division of Research, Innovation and System Information  
(916) 227-6277
- 19-05 Request to Experiment with Bidirectional Pavement Marking  
(Monica Kress-Wooster)  
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-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](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-9/30/2020- FHWA had provided approval to the request for experimentation  
Troy Bucko-Division of Safety Programs  
Brian Hadley, C.E.  
Branch Chief - District 11  
Traffic Safety & Operations, North Region  
(619) 688-3256 office  
(858) 518-3505 cell



**6. Public Hearing**

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

**Item 20-15 Proposal to include new parking sign in the CA MUTCD-Back in Angle parking**

**Recommendation:** Adopt new parking sign in the CA MUTCD

**Requesting Agencies/Sponsor:** Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Item 20-16 Proposal to modify Figure 3B-24 (adding two additional turn-lane arrow details), modify Figure 3C-4 to 3C-14, and replacing Figure 3C-2 with Figure 3C-2(CA), revise sections 3B.20, 3C.01, and 3C.06**

**Recommendation:** Revise the CA MUTCD figures and the text to include additional details for turn lane arrows and lane use arrow pavement markings options for roundabout approaches.

**Requesting Agencies/Sponsor:** Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Item 20-17 Proposal to include National Heritage Area Sign Policy in the CA MUTCD**

**Recommendation:** Revise the CA MUTCD to include National Heritage Area signage

**Requesting Agencies/Sponsor:** Sacramento-San Joaquin Delta Conservancy and Caltrans / Monica Kress-Wooster, CTCDC Voting member

The proposal is provided as attachment to the agenda

**Item 20-18 Proposal to add Figure and Language for Exit Ramp with Enhanced Pavement Markers for Wrong Way Details**

**Recommendation:** Revise the CA MUTCD figures and the text to include additional details for using wrong-way retroreflective pavement markers on exit ramp on limit lines/ stop lines, yield lines, crosswalk markings, right/ left edgelines and Type V Arrow to prevent wrong way driving

**Requesting Agencies/Sponsor:** Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Item 20-22 Proposal to include new touch-free pedestrian sign in the CA MUTCD- PUSH OR WAVE AT**

**Recommendation:** Revise the CA MUTCD to include policy on new touch-free pedestrian sign.

**Requesting Agencies/Sponsor:** Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Request for Word Message Signs Approval**

**Item 20-19 Request for approval of new word message signs**

**Recommendation:** Approve the use of new word message signs: "Traffic Approaching" and "Traffic Entering"

**Requesting Agencies/Sponsor:** District 10 Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Item 20-20 Request for approval of new word message sign-“Traffic Control/Wait and follow Traffic”**

**Recommendation:** Revise the CA MUTCD to include new word message sign: “Traffic Control/Wait and follow Traffic”

**Requesting Agencies/Sponsor:** Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda

**Item 20-21 Request for approval of new word message sign--“LEFT TURN YIELD ON FLASHING YELLOW ARROW.”**

**Recommendation:** Approve the use of new word message sign--“LEFT TURN YIELD ON FLASHING YELLOW ARROW.”

**Agency Making Request/Sponsor:** District 2 Caltrans / Monica Kress-Wooster, CTCDC member

The proposal is provided as attachment to the agenda



7. **Next Meeting**

February 18, 2021

8. **Adjourn**