

TECHNICAL ADVISORY COMMITTEE MINUTES

Meeting held via Zoom

Final Minutes of Thursday, January 5, 2023

COMMITTEE MEMBERS	MAR 22	APR 22	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23
R. Harary, Carmel-by-the-Sea (R. Culver)	P(A)	P(A)	P	P	N	P	P	P	P	N	E
J. Guertin, Del Rey Oaks	-	-		P	O	-	-	-	-	O	-
P. Dobbins Gonzales, Vice Chair (vacant)	P	P		-		P	-	P	P		P
D. Pike, Greenfield (T. Nisich)	P/P(A)	P		P	M	P	P	-	P	M	
O. Hurtado, King City (S. Adams)	P	P	P	-	E	P	P	P	P	E	P
B. McMinn, Marina (E. Delos Santos)	P	P	P	P	E	P	P	P	P	E	P
M. Garcia, Monterey Chair (A. Renny, F. Roveri)	P	P	P	P	T	P	P	P	P	T	P
D. Gho, Pacific Grove (J. Halabi)	P	P		P	I	P	P	P	P	I	-
A. Easterling, Salinas (vacant)	P	P		P	N	P	P	-	P	N	P
L. Gomez, Sand City (V. Norgaard)	P	-	P	P	G	P	P		P	G	P
N. Patel, Seaside (P. Grogan /L. Llantero)		P		-		P	P	P	P		-
O. Espinoza, Soledad (L. Gomez)	P	-	P	-		-	P	-	-		P
C. Alinio, MCPW (E. Saavedra)	P	P	P	P		P	P	P	E		E
M. Taylor, AMBAG (P. Hierling)	P	P	P	P		P	P	P	P		P
J. Xiao, Caltrans (K. McClendon)	P	P	P	P		P	P	P	P		P
S. Campi, CSUMB		P	P			-	P	P	E		P
T. Bell, MBARD		-	-	-		-	P	P	P		P
Vince Dang, MST (M. Deal M. Overmeyer)	P	P(A)	P	P		P	P	P	P		

STAFF	MAR 22	APR 22	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23
T. Muck, Executive Director	P	P	P	P		E	P	P	P		P
C. Watson, Director of Planning	P		P	P		E	P	P	P		-
M. Zeller, Director of Programming & Project Delivery	P	P	P			P	P	P	P		P
D. Bilse, Principal Engineer	P	P	P	P		P	P	P	P		P
M. Montiel, Administrative Assistant	P	P	P	P		P	P	P	P		P
J. Strause, Transportation Planner	P	P	P	-		E	-	-	P		-
T. Wright, Public Outreach Coordinator	P			-		P	P	-	-		P
L. Williamson, Senior Engineer	P	P	P	P		E	P	P	P		P
A. Hernandez, Asst. Transportation Planner	P		P	-		P	-	-	P		-
A. Guther, Asst. Transportation Planner				-		P	P	P	P		P

OTHERS PRESENT: Matt Walker, Caltrans Madilyn Jacobsen, Caltrans
 Jason Spencer, Western Systems Zach Hoiting, Western Systems
 Genaro Diaz, Caltrans

1. ROLL CALL

Chair Marissa Garcia, Monterey County, called the meeting to order at 9:30 am. Introductions were made and a quorum was established.

1.1 ADDITIONS OR CORRECTIONS TO AGENDA

None

2. PUBLIC COMMENTS

None

3. BEGINNING OF CONSENT AGENDA

M / S / C: McMinn /Easterling / unanimous

3.1 **APPROVED** the Technical Advisory Committee meeting minutes for November 3, 2023.

END OF CONSENT AGENDA

4. 2023 COMMITTEE VICE-CHAIR

Doug Bilse, Principal Engineer, opened the discussion with the Committee on selecting a Vice-Chair for 2023. Mr. Bilse commented that the new Vice-Chair will serve for the 2023 calendar year.

M / S / C: McMinn / Espinoza/ unanimous

Motion: Nominating Patrick Dobbins as Vice-Chair for 2023.

5. ADAPTIVE SIGNAL OPERATIONS

Doug Bilse, Principal Engineer, introduced Jason Spencer from Western Systems, and Zach Hoiting presented on adaptive signal control improvements. He noted that adaptive signal control improves signal performance metrics by 10 percent or more. In systems with extremely outdated signal timing, and experiencing under-saturated conditions, the improvement of operating in adaptive mode can improve signal performance by 50 percent or more. Optimizing adaptive signal operations is contingent on good vehicle detection for all movements and real-time data being sent to the traffic management center.

Mr. Hoiting noted that the improvements from adaptive operations might not be as dramatic in areas where: 1) traffic signals operate in coordination, 2) demand is stable/predictable during typical commute periods, 3) performance is regularly monitored, and 3) signal timing is well maintained.

In conclusion Mr. Hoiting noted that in the United States, adaptive signal control technologies are being used on less than one percent of all signalized intersections. Considerations for upgrading to adaptive signal operations include: hardware cost, staff expertise necessary to configure and maintain the system, and communications to the traffic signals.

6. CALTRANS MID-MILE BROADBAND INITIATIVE

Doug Bilse, Principal Engineer introduced Genaro Diaz from Caltrans. Mr. Diaz reported that California is preparing a project that will enhance broadband connections throughout the state to improve access to education, health services and employment opportunities. The California Department of Technology (CDT) is the lead agency with Caltrans managing the construction phase of the project. He noted that the Middle-Mile Broadband Initiative is the first step to creating an open-access, middle-mile network that will build infrastructure to bring high-speed broadband service to unserved and underserved communities, regardless of technology used, on equal economic and service terms. In conclusion Mr. Diaz reported that the California Department of Technology released a statewide construction evaluation map that includes a 10,000-mile network of proposed broadband links spanning the entire state with repeater hubs installed in 50-mile intervals and vaults expected to be available every half mile. Monterey County can expect roughly 665 miles of broadband infrastructure. He noted that all construction for this \$6B project is scheduled to be completed by December 2026.

Andrew Easterly asked if this work is being coordinated with other entities such as network providers. Mr. Diaz noted that this is not intended to be a stand-alone project and third-party entities are being consulted by the CDT.

Mr. Easterly followed up with a question on what construction methods are being implemented? Diaz said numerous approaches are being used including micro-trenching, plowing, drilling, and boring.

Todd Muck asked how the last-mile projects are being coordinated with the mid-mile initiative. Mr. Diaz noted that the End-mile facilities is the limitation on improved service to communities and there are funding opportunities (e.g., grants) available to assist those types of projects. Mr. Diaz noted that he is TAMC's liaison for this project and is available for collaborations with other entities.

Patick Dobbins noted that in May 2022 the south Salinas Valley cities received a \$250,000 grant and Monterey Bay Economic Partnership (MBEP) is coordinating this effort. Mr. Dobbins noted that they meet quarterly, and those efforts are underway.

7. US 101 BUSINESS PLAN

Doug Bilse introduced Madylin Jacobs from Caltrans, and Matt Welker from Caltrans reported that the Draft 101 Business Plan has been completed. He noted that the Central Coast Coalition was formed to raise awareness of the US 101 Corridor within the boundaries of Caltrans District 5 as a major economic asset to the state and nations and encourage investment in the corridor. This follows the template used by the Fresno region to fund projects along State Route 99. The purpose of the US 101 Business Plan is to provide the data, strategy, and community support needed to help secure financial investment in the US 101 corridor. It does not identify new projects. The Business Plan can serve as an important unifying document that represents our region coming together to identify the major issues, needs, and priorities for the corridor. The report is available on the Santa Barbara County Council of Governments webpage and the link is provided in the staff report. In conclusion Mr. Welker noted that it's a valuable symbol of this important partnership that can assist future grant applications for the projects contained within the Business Plan project list. The draft will be available for public review and Caltrans staff will be collecting questions and comments until February 1, 2023. Comments can be submitted via email at matthew.welker@dot.ca.gov

8. ANNOUNCEMENTS

Joanna Xiao announced that the 2023-24 Sustainable Transportation Planning Grant Application Call for Applications will be released next week. She noted that applications are due on Thursday, March 9, 2023, by 5 P.M., and grant announcements are anticipated in summer 2023. She mentioned that a virtual workshop will be held on January 26, 2023, 9:30am

Doug Bilse, Principal Engineer announced the next meeting is scheduled for February 2, 2023 and asked members to submit any topics for consideration on future agendas

Patrick Dobbins announced the next APWA award ceremony is scheduled for the evening of February 8, 2023 at the Steinback Hall and Hartnell College campus.

9. ADJOURN

The meeting was adjourned at 11:05 a.m.