VENTURA COUNTY TRANSPORTATION COMMISSION
Transportation Technical Advisory Committee (TTAC)
www.goventura.org

AGENDA

In Person
VCTC Large Conference Room
751 East Daily Drive Suite 420
Camarillo, CA

Wednesday, August 16 2023
1:30 p.m.

In compliance with the Americans with Disabilities Act and Government Code Section 54954.2, if special assistance is needed to participate in a committee meeting, please contact the Administrative Assistant at (805) 642-1591 ext. 111. Notification of at least 48 hours (about 2 days) prior to meeting time will assist staff in assuring reasonable arrangements can be made to provide accessibility at the meeting.

ITEM 1 **CALL TO ORDER**

ITEM 2 **INTRODUCTIONS & ANNOUNCEMENT**

ITEM 3 **PUBLIC COMMENT**
Under the Brown Act, the committee should not act on or discuss matters raised during the Public Comment portion of the agenda which are not listed on the agenda. Committee members may refer such matters to staff for facts or to be placed on the subsequent agenda for consideration.

ITEM 4 **AGENDA ADJUSTMENTS**

ITEM 5 **APPROVAL OF MINUTES**
Recommended Action:

- *Waive the reading and approve the meeting minutes from April 2023.*

Responsible Staff: Jeni Eddington

ITEM 6 **CALTRANS LOCAL ASSISTANCE VERBAL UPDATE**
Recommended Action:

- *Receive and file.*

Responsible Staff: Robert Wong, Caltrans

ITEM 7 **BIG DATA PILOT PROGRAM**
Recommended Action:

- *Verbal update*

Responsible Staff: Amanda Fagan

ITEM 8 **FUTURE AGENDA ITEMS**

- Rice Avenue Grade Separation Project (December 2023)
- Periodic Highway Construction Updates
- Regional Transportation Funding & Planning
- Transportation Emergency Response (Fire and Flood Seasons)
- Roundtable of Active Transportation Plans
- Planning for Future Active Transportation Program Grants
- Regional Transportation Funding & Planning
- Construction Project Updates (upon completion)

ITEM 9 **ADJOURNMENT**

VENTURA COUNTY TRANSPORTATION COMMISSION
TRANSPORTATION TECHNICAL ADVISORY COMMITTEE (TTAC)

VCTC Large Conference Room
751 East Daily Drive,4th Floor, Camarillo

Wednesday, May 17, 2023
1:30 PM

Item 5

MEETING MINUTES

MEMBERS PRESENT:	James Campero, City of Camarillo (Chair)
	Debbie O'Leary, City of Oxnard
	Charles Cable, City of Port Hueneme
	Justin Link, City of Simi Valley
	Mike Tohidian, City of Thousand Oaks
	Jeff Hereford, City of Ventura (Vice-Chair)
	Glenn Derrosset, County of Ventura
MEMBERS ABSENT:	City of Fillmore
	City of Moorpark
	City of Ojai
	City of Santa Paula
	Port of Hueneme
EX OFFICIO PRESENT:	Robert Wong, Caltrans District 7
EX OFFICIO ABSENT:	Nicole Colazzo, VCAPCD
	California Highway Patrol
VCTC STAFF PRESENT:	Peter De Haan, Director of Programming
	Amanda Fagan, Director of Planning and Sustainability
	Heather Miller, Program Manager
	Geiska Velasquez, Program Analyst

ITEM 1 **CALL TO ORDER**
Vice chair Campero called the meeting to order at 1:32 p.m.

ITEM 2 **ELECTION OF OFFICERS**

> **ACTION:**
> **Link moved, seconded by Hereford, that Campero act as the committee chair through the 2023 calendar year. The motion passed unanimously.**

> **ACTION:**
> **Campero moved, seconded by Tohidian, that Hereford act as the committee vice chair through the 2023 calendar year. The motion passed unanimously.**

ITEM 3 **INTRODUCTIONS AND ANNOUNCEMENTS** – None.

ITEM 4 **PUBLIC COMMENTS** – None.

ITEM 5　　　**AGENDA ADJUSTMENTS** – None.

ITEM 6　　　**APPROVAL OF MINUTES**
The committee discussed amending the minutes to correct the name from Jason Samonte to James Campero within the the staff report for the election of officers (Item 2) and the meeting minutes (Item 6).

　　　ACTION:
　　　Link moved, seconded by O'Leary, that the committee approve the March 2023 meeting minutes. The motion passed unanimously.

ITEM 7　　　**CALTRANS DISTRICT 7 LOCAL ASSISTANCE UPDATE**
Robert Wong updated the committee on 1) Fund Transfer Agreements, 2) current staffing, 3) projects application deadlines, and 4) upcoming workshops.

ITEM 8　　　**METROLINK SOUTHERN CALIFORNIA OPTIMIZED RAIL EXPANSION (SCORE) PROJECT STATUS REPORT**
Chris Haskell, SCRRA, provided a brief presentation of the Southern California Optimized Rail Expansion (SCORE) project including 1) the Metrolink rail system project map , 2) the timelines for each phase of the project, and 3) project reviews for the Simi Valley Double Track Project, the Chatworth Station Pedestrian Underpass, and the Burbank Junction Speed Improvement Project.

The committee discussed that 1) the funding sources include TIRCP (SB1 and Cap/Trade Funds) and CRSSA, 2) SCRRA is not the lead agency for each project, 3) the Link Union Station project, and 4) the goal of providing 30-minute headways in each direction throughout the day.

ITEM 9　　　**STATUS OF CRRSA, HIP, AND CMAQ PROJECTS**
Peter De Haan and the committee discussed 1) CRRSA, HIP, and CMAQ funding 2) projects with newly obligated funds, and 3) the meaning of lapsing funds.

ITEM 10　　　**FUTURE AGENDA ITEMS – For Discussion**

1. Big Data Pilot Program (July 2023)
2. REAP 2.0 SCAG (July 2023)
3. Rice Avenue Grade Separation Project (December 2023)
4. Transportation Emergency Response (Fire and Flood Seasons)
5. Roundtable of Active Transportation Plans
6. Planning for Future Active Transportation Program Grants
7. Regional Transportation Funding & Planning
8. Construction Project Updates (upon completion)

ITEM 11　　　**ADJOURNMENT**
Chair Campero adjourned the meeting at 2:31 p.m.

August 16, 2023

MEMO TO: **TRANSPORTATION TECHNICAL ADVISORY COMMITTEE (TTAC)**

FROM: **ANDREW KENT, PROGRAM MANAGER, TRANSPORTATION DATA & SERVICES**

SUBJECT: **TRANSPORTATION DATA AND ANALYTICS PILOT PROGRAM**

RECOMMENDATION:

- Receive a presentation on the Transportation Data and Analytics Pilot Program and introduction to the ClearGuide dashboard and tools.

BACKGROUND:

The Ventura County Transportation Commission (VCTC) solicited proposals from qualified transportation analytics consultants to provide probe-based "Big Data" collected from mobile devices and other sources for transportation performance monitoring and analysis. VCTC Staff has identified potential for Big Data services across several program areas, including as a solution to replace legacy systems. The Commission approved and budgeted for a pilot program intended to provide a license for VCTC partner transportation agencies to access Big Data for transportation planning and engineering purposes.

Big data for transportation analytics is comprised of anonymized cell phone location and connected vehicle device probe data, and transportation sector automated vehicle locator / global positioning system (AVL/GPS) data. Big Data analytics allow for comprehensive coverage of real-time and historical trips on a jurisdiction's roadway network by randomly sampling or "probing" anonymous smart device location data for a time interval from 1 to 60 seconds. This data can be used to estimate a variety of planning and engineering metrics including traffic volumes, speeds, congestion, mode split, and vehicle miles traveled (VMT). The advantage of Big Data over traditional transportation data gathering methods is the ability to have comprehensive coverage of the road and highway network without the expense and maintenance of a system of detectors and sensors.

Several County Transportation Commissions have implemented Big Data dashboards to monitor congestion and VMT impacts. There are potential cost savings for traffic/transportation studies utilizing Big Data over traditional tube count and traffic surveying methods.

The pilot program provides VCTC an alternative to upgrading the system of 100 SpeedInfo doppler radars placed along U.S. Highway 101 and State Routes 126, 118, 33 and 23, which supplemented Caltrans District 7 with speed data for Ventura County and became obsolete with the sun-setting of 3G cellular service. A secondary goal is to provide access to VCTC and partner agencies to access data for transportation planning and engineering purposes. VCTC will pay for the cost of a license and give access to County and City staff. City and County staff will have the opportunity to utilize the data through a web-based dashboard capable of performing geographic and historical queries of important multimodal transportation metrics.

In April 2023, the Commission ratified the release of the Request for Proposals for a Big Data License and Analytics Dashboard to provide Ventura County with a solutions package utilizing probe-based Big Data for two areas of focus: A) Next Generation SpeedInfo System, and B) a web-based dashboard for congestion management and transportation planning analytics.

DISCUSSION:

After review by an evaluation committee of the five proposals received, the Commission approved in July 2023 a contract with Iteris, Inc. to provide the Iteris ClearGuide dashboard supported by a HERE Traffic GPS/AVL based Big Data license. The ClearGuide dashboard will provide VCTC and local partner agencies with real time and historical congestion and travel metrics for the complete network of freeways, highways, and major and minor arterials in Ventura County. The contract also leverages Iteris' experience deploying Big Data to support Changeable Message Sign programs for DOTs outside California and works to integrate the raw data with Caltrans District 7 traveler information systems.

Over the next three years, VCTC will evaluate the benefit of the real-time Big Data dashboard in advancing VCTC Strategic Plan Goal A5., *"Leverage data to better inform transportation-land use decision making and grant seeking."* In the final year of the contract, VCTC staff may engage the County and cities in a discussion of a cost sharing consortium to provide ongoing access to the ClearGuide dashboard. Implementing a cost sharing consortium would seek to minimize license costs across the county by leveraging economies of scale.

The ClearGuide dashboard and big data license tools are now live and available for use by local partners. Access may be requested by contacting Andrew "Drew" Kent, VCTC Program Manager for Transportation Data and Services, at akent@goventura.org.

The Iteris team will provide an overview and introductory training on the ClearGuide dashboard and available tools.