



## **TPB TRAVEL FORECASTING SUBCOMMITTEE**

Friday, July 17, 2026  
9:30 A.M. to 12:00 P.M. Eastern (6:30 A.M. to 9:00 A.M. Pacific)  
Hybrid (In-Person/Webex)

### **AGENDA**

- 9:30 A.M. 1. OPENING: MEETING ROLES, RULES, AND INTRODUCTIONS**  
*Ray Ngo, TPB Principal Transportation Engineer*  
Ray will review meeting roles and rules and provide introductions at the start of the meeting.
- 9:35 A.M. 2. APPROVAL OF MEETING HIGHLIGHTS FROM THE PREVIOUS MEETING, HELD ON MAY 15**  
*Jun Yang, TFS Chair; Transportation Planner, Montgomery County Planning Department, Maryland-National Capital Park and Planning Commission (M-NCPPC)*
- 9:40 A.M. 3. PRELIMINARY RESULTS AND FINDINGS FROM TPB'S MODEL STAKEHOLDER SURVEY**  
*Tom Rossi, Principal, Cambridge Systematics, Inc.*  
As part of an ongoing effort to develop a multi-year strategic plan for the COG/TPB model development program, TPB and Cambridge Systematics recently conducted a model stakeholder survey to evaluate the current and future needs of the travel modeling community in the Washington, D.C. region. Mr. Rossi will present the preliminary results and findings from this survey.
- 10:10 A.M. 4. STATUS REPORT ON CONSULTANT ASSISTANCE WITH TRAVEL DEMAND FORECASTING METHODS USED BY COG/TPB STAFF**  
*Feng Xie, TPB Program Manager, Model Development Group*  
*Tom Rossi, Principal, Cambridge Systematics, Inc.*  
*Ali Etezady, Project Manager, RSG, Inc.*  
TPB is under contracts with two consulting teams — RSG and Cambridge Systematics — to provide consultant assistance with travel demand forecasting methods. Mr. Xie will provide a brief status update on the project and will ask project managers on the consulting teams, Mr. Tom Rossi and Mr. Ali Etezady, to provide a status update on the active and upcoming tasks under Cambridge Systematics' and RSG's contracts, respectively.

**10:25 A.M.      5. BALTIMORE METROPOLITAN COUNCIL (BMC) ACTIVITY BASED MODEL: MODEL OVERVIEW AND APPLICATION**

*Md. Mokhlesur Rahman, Travel Demand Modeler, BMC*

*Brian Ryder, Transportation Planner, BMC*

BMC has developed the Initiative to Simulate Individual Travel Events (InSITE), an activity-based model built in TourCast. InSITE operates disaggregately using a synthetic population generated through PopGen2, representing households and individuals throughout the model region. The model predicts individuals' long-term decisions, daily activity patterns, and travel behaviors. Outputs include vehicle ownership, workplace and school location choices, and detailed tour rosters that capture the sequence of activities and trips undertaken by each person. For every trip, the model records the origin and destination locations, departure time, travel mode, activity type, duration, and participation in joint household activities. Dr. Rahman will provide a brief overview of the InSITE model, including its key components and applications in transportation planning and policy analysis. Mr. Ryder will provide an outline of the different input data used in the model.

**10:55 A.M.      6. TOWARDS NEXTGEN TRAVEL DEMAND MODELS WITH AI DIGITAL TWINS**

*Jinghua Xu, Department Manager of Modeling, Southern California Association of Governments (SCAG)*

*Jiaqi Ma, Director, UCLA Mobility Lab*

*Ximon Zhu, Founder, Numobility*

As MPOs look for ways to keep models current and responsive without the cost of a full rebuild cycle, generative AI is opening new possibilities. This session brings together a practitioner (SCAG), a researcher (UCLA Mobility Lab), and a technology builder (Numobility) to explore how GenAI approaches can augment existing modeling workflows. Attendees will see how a foundation model trained on national travel survey data produces validated synthetic trip schedules — achieving 4–6% error margins against Caltrans PeMS — using data most MPOs already collect. The session includes interactive demos of two tools: a scenario planning calculator built on trusted CAPCOA formulas, and a GenAI-powered digital twin visualizing millions of synthetic travelers across a metro region.

**11:35 A.M.      7. ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION**

*Jun Yang, TFS Chair*

TFS members will have an opportunity to inform the subcommittee about active/planned modeling or planning studies that are underway in their respective jurisdictions.

**11:45 A.M.      8. NEXT MEETING AND OTHER BUSINESS**

*Jun Yang, TFS Chair*

- a. Next planned TFS meetings (Feng Xie)
  - i. Sep. 18 (3rd Friday). Virtual format.
  - ii. Nov. 20 (3rd Friday). **In-person**/hybrid format.
- b. Other business (Jun Yang)

## TPB Travel Forecasting Subcommittee Agenda (continued)

- i. We continue to seek external/non-COG presentations for upcoming TFS meetings. Please contact Feng Xie or Ray Ngo. (Ray Ngo)
- ii. Status of 2026 Regional Travel Survey (RTS) (Ken Joh)
- iii. Other items?

**12:00 P.M. 9. ADJOURN**