



## TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, July 21, 2023

9:30 A.M. to 11:45 A.M. Eastern (6:30 A.M. to 8:45 A.M. Pacific)

[Meeting will be virtual/online](#)

(Call-in information included in the calendar invite)

### AGENDA

- 9:30 A.M. 1. OPENING: MEETING ROLES, RULES, AND ROLL CALL OF PARTICIPANTS**  
*Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis*
- Change of TFS chair: Dr. Yi Zhao left DDOT on June 23 to start a new job with TRB, so he will no longer be serving as the TFS chair. DDOT plans to select a new person soon to serve as the chair. For today's meeting, however, COG/TPB staff (Mark) will serve as the interim chair and Samuel Brooks plans to attend, representing DDOT.
- 9:40 A.M. 2. APPROVAL OF MEETING HIGHLIGHTS FROM THE MAY 19, 2023 MEETING**  
*Mark Moran, TFS Chair for today's meeting*
- 9:45 A.M. 3. HOUSEHOLD TRAVEL SURVEY STATE-OF-THE-PRACTICE RECOMMENDATIONS**  
*Ken Joh, TPB Principal Statistical Survey Analyst*
- Staff will share recommendations for the approach for the next regional household travel survey.
- 10:10 A.M. 4. REGIONAL COORDINATION OF TRANSIT ON-BOARD SURVEYS**  
*Tim Canan, TPB Program Director, Planning Data and Research*
- The subcommittee will be briefed on staff plans to undertake a regionally coordinated effort among more than 20 public transportation providers to collect transit trip data needed to support regional travel demand forecasting.
- 10:35 A.M. 5. PRESENTATIONS FROM THE TRANSPORTATION RESEARCH BOARD INNOVATIONS IN TRAVEL ANALYSIS AND PLANNING CONFERENCE, INDIANAPOLIS, INDIANA, JUNE 2023: "SENSITIVITY TESTING OF ACTIVITY-BASED MODELS" (IN SESSION A2: UNCERTAINTY AND MODEL SENSITIVITY IN SCENARIO PLANNING AND FORECASTING)**  
*Andrew Rohne, Senior Consultant, RSG*
- Activity-based travel demand forecasting models provide higher fidelity than trip-based models, but much of this fidelity is untested. ActivitySim is an open-source activity-based travel demand modeling software developed by a consortium of agencies and currently being implemented in several regions in the U.S. In three recent ActivitySim implementations, RSG and agency staff have undertaken sensitivity tests to evaluate the model's response to changes in population, land use, highway and transit networks, transportation pricing, and telecommuting behavior changes. Mr. Rohne's presentation will discuss sensitivity tests

Reasonable accommodations are provided upon request, including alternative formats of meeting materials.  
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conducted at MWCOG; the Southeast Michigan Council of Governments (SEMCOG) in Detroit, Michigan; and the Metropolitan Council (Met Council), in Minneapolis-St. Paul Minnesota.

**11:00 A.M. 6. STATUS REPORT ON THE COG/TPB DEVELOPMENTAL, DISAGGREGATE, ACTIVITY-BASED TRAVEL DEMAND FORECASTING MODEL, KNOWN AS THE GEN3 TRAVEL MODEL**

*Andrew Rohne, Senior Consultant, RSG*

The TPB's next-generation travel demand forecasting model, known as the Gen3 Travel Model, is planned to be an activity-based model (ABM), implemented in the ActivitySim software platform. Mr. Rohne will provide an update on model development activities including the latest calibration and validation results and the sensitivity tests that are being run in Phase 2 of model development.

**11:25 A.M. 7. ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION**

*Mark Moran, TFS Chair for today's meeting*

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

**11:35 A.M. 8. OTHER BUSINESS**

- a. Planned release of updated trip-based, regional travel demand forecasting model, Gen2/Ver. 2.4.6 Travel Model (Feng Xie, TPB Manager Model Development Group)
- b. Next planned TFS meeting: Friday, September 22, 2023, 9:30 AM
- c. Planned presentations at upcoming TFS meetings (Mark Moran)
- d. Other items?

**11:45 A.M. 9. ADJOURN**