



TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, July 22, 2022

9:30 A.M. to 12:00 noon Eastern (6:30 A.M. to 9:00 A.M. Pacific)

This meeting will be 100% virtual/teleconference

(See WebEx call-in information at the bottom of this agenda)

AGENDA

- 9:30 A.M. **1. INTRODUCTIONS AND APPROVAL OF MEETING HIGHLIGHTS FROM THE PREVIOUS MEETING**
Lisa Shemer, Maryland Department of Transportation, State Highway Administration (MDOT SHA), Office of Planning & Preliminary Engineering, Travel Forecasting and Analysis Division (TFAD); TFS Chair
- 9:35 A.M. **2. RECENT UPDATES TO THE MARYLAND STATEWIDE TRAVEL MODEL (MSTM)**
Lisa Shemer, MDOT SHA TFAD and TFS Chair
Mark Radovic, MDOT SHA TFAD Consultant
- MDOT SHA will update the group on current modeling activities throughout the state, and how these activities are helping address the diverse challenges throughout Maryland's transportation system. Highlights will include enhancements to the MSTM multi-resolution tool, the MSTM freight models and post-processors, implementation of FHWA's long-distance passenger model, and research activities.
- 10:15 A.M. **3. USING DATA FROM THE COG/TPB REGIONAL TRAVEL DEMAND FORECASTING MODEL: STAFF RECOMMENDATIONS FOR CONSULTANTS AND OTHERS WHO REQUEST MODEL OUTPUTS**
Dusan Vuksan, TPB Manager, Model Application Group
- As noted on COG's Data Request webpage,¹ COG/TPB staff generally provide the COG/TPB Regional Travel Demand Forecasting Model and its input files (for free), but the model transmittal package generally does not include model outputs due to their large size. Nonetheless, COG/TPB staff receive many data requests each year for model outputs. These requests generally come from consultants, academia, and government agencies. Some requestors are familiar with travel demand models and have the software to work with input/output files in their native format, but some do not. Mr. Vuksan will describe COG/TPB staff recommendations for the appropriate use of model outputs.

¹ "Data Requests," Metropolitan Washington Council of Governments, Transportation, Modeling, June 28, 2022, <https://www.mwcog.org/transportation/data-and-tools/modeling/data-requests/>.

10:40 A.M. 4. COG/TPB GEN3 TRAVEL MODEL: STATUS REPORT

Andrew Rohne, Senior Consultant, RSG

The TPB's next-generation travel demand forecasting model, known as the Gen3 Travel Model, will be an activity-based model (ABM), implemented in the ActivitySim software platform. The Gen3 Model is being developed in two phases. The goal of Phase 1 was to develop a prototype model that can be used by TPB staff for testing purposes. As of February, Phase 1 is now complete. Phase 2, whose goal is to develop a production-use model, began in March and should be completed in the summer of 2023. Today, RSG will discuss recent work to prepare for and estimate trip mode choice.

11:20 A.M. 5. ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION

Lisa Shemer, TFS Chair

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. 6. OTHER BUSINESS

- a. Snapshots of effects of COVID-19 on travel, available on COG website (Martha Kile, TPB staff)
- b. Recent updates to several webpages regarding the COG/TPB Regional Travel Demand Forecasting Model, including a page about the Gen3 Model (Mark Moran)²
- c. Planned guest presentations at upcoming TFS meetings (Mark Moran, TPB staff)
- d. Next meeting scheduled for Friday, Sep. 23, 2022, 9:30 A.M. to 12 noon

11:40 A.M. 7. ADJOURN

Call-In and Web Conferencing Information

[Join WebEx Meeting](#)

Fri., July 22, 2022 9:30 A.M. | 2 hours 30 min. | (UTC-04:00) Eastern Time (US & Canada)
Meeting number: 2433 625 7852

Join by video system

Dial 24336257852@mwcog.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

+1-202-860-2110 United States Toll (Washington D.C.)

Access code: 243 362 57852

² "TPB's Development Travel Models: Gen3 Model - Travel Demand Modeling," Metropolitan Washington Council of Governments, June 22, 2022, <https://www.mwcog.org/transportation/data-and-tools/modeling/developmental-travel-model/>.