



TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, January 28, 2022

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

Due to COVID-19 precautions, this meeting will be held by 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; TFS Chair
- 9:35 A.M. **2. MODELING PUBLIC TRANSPORT IN THE ARLINGTON CO. TOUR-BASED TRAVEL MODEL**
Christine Sherman Baker, Principal Planner, Transportation Engineering & Operations Bureau, Arlington County Department of Environmental Services; and Filippo Contiero, Senior Support Engineer, Bentley Systems, Inc.

Arlington County has a new tour-based travel model that uses transit data from the MWCOCG model database. This is processed in CUBE's Public Transport module, using a different approach in which mode choice focuses on the auto vs. transit split and the split of riders by transit sub-mode is handled in transit assignment. In this presentation, we highlight the key steps, methods, and assumptions that went into the creation of the transit skims and the transit assignment process.
- 10:10 A.M. **3. TRANSITIONING FROM A TRIP-BASED TRAVEL MODEL TO AN ACTIVITY-BASED TRAVEL MODEL: MOTIVATIONS AND EXPERIENCES OF THE OREGON DEPARTMENT OF TRANSPORTATION**
Alex Bettinardi, Senior Integrated Analysis Engineer, Oregon Department of Transportation (ODOT)

Mr. Bettinardi will discuss ODOT's motivation and experience transitioning from trip-based to activity-based travel modeling. ODOT covers multiple smaller MPOs, most of which are still operating as trip-based, but the development trajectory has been established on activity-based models, and one of the modeling regions ODOT supports has been fully transitioned. The presentation will cover reasons, challenges, and lessons learned to-date, as well as planned next steps in shifting from the CT-RAMP ABM platform to ActivitySim.
- 10:55 A.M. **4. COG/TPB GEN3 TRAVEL MODEL: STATUS REPORT**
Joel Freedman, Senior Director, RSG

Mr. Freedman will discuss the status of the Gen3 Model. Model estimation results, reported at the last TFS meeting, have been implemented and the model

Reasonable accommodations are provided upon request, including alternative formats of meeting materials.
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has undergone initial calibration and validation in Phase 1. Mr. Freedman will share the results of the initial calibration and validation effort and provide an update on Phase 1 sensitivity testing. Mr. Freedman will outline the scope of work for Phase 2 and provide an update on ActivitySim consortium activities for 2022.

11:30 A.M. 5. TRANSPORTATION RESEARCH BOARD (TRB) 101ST ANNUAL MEETING

Lisa Shemer, TFS Chair; and TFS members who attended TRB

The 101st Annual Meeting of the Transportation Research Board (TRB) occurred in Washington, D.C., from January 9 to 13. Last year, the event was held virtually. This year, the event was held in person, but attendance was much lower than normal, due to the continuation of the coronavirus pandemic. This agenda item provides an opportunity for those who did attend to brief others.

11:50 A.M. 6. 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.

11:55 A.M. 7. OTHER BUSINESS

- a. Snapshots of effects of COVID-19 on travel, available on COG website (Martha Kile, TPB staff)
- b. Planned guest presentations at upcoming TFS meetings (Mark Moran, TPB staff)
- c. Next meeting scheduled for Friday, March 25, 2022, 9:30 A.M. to 12 noon

12:00 NOON 8. ADJOURN

Call-In and Web Conferencing Information

[Join WebEx Meeting](#)

Friday, Jan. 28, 2022 9:30 A.M. | 2 hours 30 minutes | (UTC-05:00) Eastern Time (US & Canada)
Meeting number: 2422 886 9972

Join by video system

Dial 24228869972@mwcog.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

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