



TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, July 17, 2020
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 (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**
Amir Shahpar (Virginia Department of Transportation), TFS Chair
- 9:35 A.M. 2. **TBEST: A TRANSIT SERVICE PLANNING SOLUTION, DEMONSTRATION OF MODELING APPLICATIONS IN NORTHERN VIRGINIA**
Matt Cheng and Dan Goldfarb, Northern Virginia Transportation Commission
- NVTC staff will present the TBEST 4.6 direct-demand estimation model, an ArcGIS-based program for Northern Virginia transit analysis and service planning. The presentation will include a demonstration of the TBEST analytical toolsets, development of a parcel-level land use dataset and future scenario planning for the TBEST application.
- 10:05 A.M. 3. **INVESTIGATION OF CUBE VOYAGER PUBLIC TRANSPORT (PT) TRANSIT MODELING SOFTWARE WITH THE TPB'S GEN2/VER. 2.3 TRAVEL MODEL**
Feng Xie, TPB Transportation Engineer
- Cube offers two transit modeling programs: TRNBUILD and Public Transport (PT). The current TPB production-use travel demand forecasting model, Gen2/Ver. 2.3, uses TRNBUILD, but PT was used for the developmental Ver. 2.5 Model and has been proposed for the Gen3 Model. TPB staff will discuss testing that it conducted where PT was paired with the Ver. 2.3 Model.
- 10:50 A.M. 4. **COG/TPB GEN3 TRAVEL MODEL**
*Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis
Joel Freedman, Senior Director, RSG and Jeff Dumont, RSG*
- Gen3 Model Design Plan report:** Mr. Moran and Mr. Freedman will describe the Gen3 Model Design Plan, including the review process for the report, the strengths and weaknesses of the current COG/TPB travel model and how the proposed solution – an activity-based model (ABM) implemented in ActivitySim – addresses COG's needs. Mr. Moran will provide the COG/TPB staff perspective on

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the proposed design and will discuss both the TFS comments received on the report and the COG/RSG responses to those comments.

Task Order 3, Development of Gen3 Model, Phase 1: Mr. Freedman will describe the scope of work and schedule to implement an initial (Phase 1) model for MWCOG.

Re-weighting of the 2017-18 COG Regional Travel Survey (RTS): RSG recently re-weighted an interim version of the 2017-18 Regional Travel Survey. Mr. Dumont will describe the reweighting process and results.

- 11:50 A.M. 5. OTHER BUSINESS**
- a. 2017-18 Regional Travel Survey: Status report (Ken Joh)
 - b. Big Data Evaluation (Tim Canan)
 - c. Roundtable discussion on traffic counts in the time of COVID-19 (Amir Shahpar)
 - d. Scheduling future TFS presentations (Mark Moran)
 - e. Next meeting scheduled for Friday, September 18, 2020 at 9:30 A.M.
- 12:00 P.M. 6. ADJOURN**

Call-In and Web Conferencing Information

Friday, July 17, 2020 9:30 am | 2 hours 30 minutes | (UTC-04:00) Eastern Time (US & Canada)
Meeting number: 161 652 9265

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