



## TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, March 15, 2019  
9:30 A.M. to 12:00 noon  
Conference Room 4&5

### AGENDA

- 9:30 A.M.     **1. INTRODUCTIONS AND APPROVAL OF MEETING HIGHLIGHTS FROM THE PREVIOUS MEETING**  
*Zuxuan Deng (District Department of Transportation), TFS Chair*
- 9:35 A.M.     **2. PRODUCTION-USE TPB TRAVEL DEMAND FORECASTING MODEL**  
*TPB Staff (45 min.)*
- The adopted, production-use TPB travel demand forecasting model is the Generation-2/Ver. 2.3.75 Model. Presentations will cover network documentation, model validation, and possible future updates to the model.
- A. NETWORK DOCUMENTATION**  
*Meseret Seifu, TPB Transportation Engineer (15 min.)*
- Staff has recently completed documentation of the highway and transit networks used as inputs to the TPB's regional travel demand forecasting model (Ver. 2.3.75) for the 2018 Air Quality Conformity Analysis of Visualize 2045.
- B. RE-VALIDATION OF TPB'S VERSION 2.3 TRAVEL DEMAND MODEL TO YEAR-2014 CONDITIONS**  
*Feng Xie, TPB Transportation Engineer (20 min.)*
- Staff will present the results of the recent re-validation of TPB's Ver. 2.3 Model to year-2014 conditions. The results suggest that the performance of TPB's current production model remains to be reliable at an acceptable level. This re-validation was done to satisfy the stipulations in the Transportation Conformity Rule regarding the recency of data used for model validation.
- C. POSSIBLE FUTURE UPDATES**  
*Ray Ngo, TPB Transportation Engineer (10 min.)*
- Staff will discuss some possible updates that may be made to the TPB's current production-use travel demand forecasting model, Ver. 2.3.75.

**10:20 A.M. 3. DEVELOPMENTAL TPB TRAVEL DEMAND FORECASTING MODELS**

*TPB Staff (20 min.)*

There are currently two developmental TPB travel demand forecasting models: Gen2/Ver. 2.5 and Gen3. The Ver. 2.5 model has been under development for almost three years. By contrast, the development of the Gen3 model, the TPB's next-generation travel model, is still in the early stages.

**A. GEN2/VER. 2.5: STATUS REPORT**

*Ron Milone, Contractor to TPB Staff (10 min.)*

Mr. Milone will debrief the subcommittee on the most recent Ver. 2.5 model development activities and he will present the latest 2.5 model validation findings.

**B. GEN3: STATUS REPORT**

*Mark Moran, TPB Transportation Engineer (10 min.)*

Staff will give a status report about efforts to solicit consultant assistance to develop the TPB's next-generation travel demand model, known as the Generation-3 or Gen3 Model.

**10:40 A.M. 4. STATUS REPORT ON THE 2017-18 COG/TPB REGIONAL TRAVEL SURVEY**

*Ken Joh, TPB Transportation Planner*

Staff will present a status report on the 2017-18 Regional Travel Survey, focusing on updates since the last TFS meeting.

**10:55 A.M. 5. REGIONAL TRANSPORTATION DATA CLEARINGHOUSE (RTDC) UPDATES**

*Charlene Howard, TPB GIS Analyst*

Staff will brief the subcommittee on recent updates to the TPB's RTDC.

**11:10 A.M. 6. 2017 WASHINGTON-BALTIMORE REGIONAL AIR PASSENGER SURVEY: GEOGRAPHIC FINDINGS**

*Abdurahman Mohammed, TPB Transportation Engineer*

The subcommittee will be briefed on the geographic findings from the 2017 Washington-Baltimore Regional Air Passenger Survey. A similar presentation was made to the TPB Technical Committee on March 1.

**11:25 A.M. 7. MULTIMODAL ALTERNATIVES ANALYSIS OF THE ROSSLYN AREA OF ARLINGTON, USING THE COG/TPB TRAVEL MODEL AND OTHER TOOLS**

*Christine Sherman, Arlington Co. Dept. of Environmental Services  
Jiixin Tong, Kimley Horn*

The Core of Rosslyn Study kicked off in fall 2017 to assess a variety of multimodal improvements on streets in Arlington's Rosslyn neighborhood. The scope included assessing the potential of two-way critical arterials such as Lynn St and Fort Myer. It also included the reincorporation of street space for enhanced bicycle and pedestrian infrastructure. The study employed the MWCOCG travel forecasting model, big data, such as StreetLight Data, and tools such as

VISUM, VISSIM, and Synchro. This presentation will discuss the analysis methodology, review the preliminary results, and discuss the lessons learned.

**11:45 A.M. 8. ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION**

*Zuxuan Deng, 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.

**11:50 A.M. 9. OTHER BUSINESS**

- FTA Simplified Trips-on-Project Software (STOPS) training (Dusan Vuksan)
- Updated webpage for technical data requests (Mark Moran)
- Participant Statistical Areas Program (PSAP) for Census 2020 (Martha Kile)
- Use of big data, e.g., Google Distance Matrix API and Streetlight Data (Feng Xie and Ray Ngo)

**12:00 P.M. 10. ADJOURN**

The next meeting is scheduled for Friday, May 17, 2019 at 9:30 A.M.

**Call-in and Web Conferencing Information:**

Call-in number: (650) 479-3207 | Meeting #: 648 154 682

<https://mwcog.webex.com/mwcog/j.php?MTID=m7eb2153efdcf70efa79eade3ebbbbba89>