TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, January 26, 2024
9:30 A.M. to 12:00 P.M. Eastern (6:30 A.M. to 9:00 A.M. Pacific)
Virtual/online meeting
(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

Mr. Moran will discuss meeting roles, meeting rules, and then conduct a roll call of participants.

9:40 A.M. **2. APPROVAL OF MEETING HIGHLIGHTS FROM THE NOVEMBER 17, 2023 MEETING**
Mr. Harun Rashid, Planning Analytics Manager, Northern Virginia Transportation Authority (NVTA); TFS Chair

9:45 A.M. **3. AIRPORT GROUND ACCESS TRAVEL TIME STUDY**
Zhuo Yang, TPB Transportation Data Analyst

As part of the Continuous Airport System Planning (CASP) Program, TPB recently completed an analysis of ground access travel time to the region's three large commercial airports: Baltimore/Washington International Thurgood Marshall Airport (BWI), Ronald Reagan Washington National Airport (DCA), and Washington Dulles International Airport (IAD). The analysis compared travel time to the three airports for three periods: (1) pre-pandemic, (2) pandemic peak, and (3) post pandemic. Staff will review the methodology applied and the results of the study to the subcommittee.

10:10 A.M. **4. GENERATIVE ARTIFICIAL INTELLIGENCE (AI): ONE STAFF'S EXPERIENCE WITH CHATGPT**
Feng Xie, TPB Program Manager, Model Development Group

Within the last year, Large Language Models (LLMs), like OpenAI's ChatGPT, have received a lot of interest in the domain of generative artificial intelligence (AI). Mr. Xie will discuss his experience with this new technology, demonstrating some examples of what it can do in our profession and pointing out some of the challenges with its use.

10:35 A.M. **5. STATUS REPORT ON THE COG/TPB GEN3 TRAVEL MODEL**
Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis

The TPB's next-generation travel demand forecasting model, known as the Gen3 Travel Model, is an activity-based model (ABM), implemented in the ActivitySim software platform. Mr. Moran will provide a status report on the Gen3 Model. The consultant team has completed most of the work to finalize the travel model and

Reasonable accommodations are provided upon request, including alternative formats of meeting materials.
Visit www.mwcog.org/accommodations or call (202) 962-3300 or (202) 962-3213 (TDD).

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transmit it to COG/TPB staff, who will now begin usability testing to ensure that it is ready for production use.

10:50 A.M.   6. UPDATES FROM THE ACTIVITYSIM CONSORTIUM
David Hensle, Consultant, RSG

The ActivitySim consortium has been hard at work continuing to improve the ActivitySim software platform, which forms the kernel of the COG/TPB Gen3 Travel Model. RSG staff will discuss some of the recent development efforts of the consortium and how they are relevant to the Gen3 Model. Topics include input checking, performance improvements, and updated documentation.

11:10 A.M.   7. 2024 TRANSPORTATION RESEARCH BOARD (TRB) ANNUAL MEETING: SHARING SESSION
Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis

The 2024 Annual Meeting of the Transportation Research Board (TRB) occurred in Washington, D.C., from January 7 to 11. Like the 2022 and 2023 meetings, this was an in-person event. Multiple staff from COG's Department of Transportation Planning (DTP) attended the meeting. This agenda item provides an opportunity for those who attended the meeting to brief others on what was learned. We welcome sharing from all TFS attendees who attended the TRB Annual Meeting.

11:50 A.M.   8. OTHER BUSINESS
a. Update on draft Round 10.0 Cooperative Forecasts and the employment definition adjustment factors (Feng Xie)
b. Next planned TFS meeting: Friday, March 22, 2024, 9:30 AM to 12:00 noon
c. Planned presentations at upcoming TFS meetings (Mark Moran)
d. Other items?

12:00 P.M.   9. ADJOURN