

Status Report on the COG/TPB Travel Demand Modeling Improvement Efforts

presented to

Travel Forecasting Subcommittee

presented by

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Overview

- ① Work Program Update and Status
- ② Summary of Comments Received
- ③ Next Steps

Work Program Update and Status

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- Task 15.1 – Attend Relevant Meetings and Respond to Ad-Hoc Requests
 - » Review of Prior Consultant Recommendations
- Task 15.2 – Development of a Strategic Plan for the Improvement of the MWCOCG/NCRTPB Regional Travel Demand Modeling Procedures
- Task 15.3 - Review of Transit Modeling with Respect to FTA Guidance
- Task 15.4 - Modeling with Public Transport

Reports Produced

- **Task Order 15.1 Report:** *Review of Consultant Recommendations from FY 2012-2014 of the COG/TPB Travel Demand Modeling Consultant-Assistance Project*

- **Task Order 15.2 Reports:**
 - » *1. Identifying Potential Opportunities for Model Improvement*
 - » *2. Status of Activity-Based Models and Dynamic Traffic Assignment at Peer MPOs*
 - » *3. Draft Strategic Plan for Model Development*

- **Task Order 15.3 Report:** *Review of Transit Modeling with Respect to FTA Guidance*

- **Task Order 15.4 Report:** *Modeling with Public Transit*

Summary of Comments Received

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Comment Group 1

- » HB-599 model and work to calibrate it should be used as a reference for future regional model work
- » A user reports experiencing continued difficulty with AEMS
- » Additional validation work with PT may be warranted

Comment Group 2

- » Identified typos
- » Identified an incorrect ABM platform reference

Summary of Comments Received (continued)

🌀 Comment Group 3

- » Leveraging the BMC ABM model could be prudent after it has been satisfactorily validated and tested for sensitivity seems
- » How to move forward with such tests requires careful consideration – scope, schedule, budget
- » An independent assessment of the BMC model and it's application for the MWCOCG region could inform the related strategic plan implementation steps

Summary of Comments Received (continued)

🌀 Comment Group 4

- » Strategic plan does not adequately define the detailed actions to be taken in each program year
- » Strategic plan does not seem to specifically address all non-motorized and transit modeling suggestions that were received

Summary of Comments Received (continued)

🌀 Comment Group 5

- » Suggested using a more commonly used name for one of the MPOs
- » Suggested the use of more consistent terminology (tour versus ABM, for example)
- » Suggested that the data requirements for a DTA model were oversimplified in the report

Summary of Comments Received (continued)

🌀 Comment Group 6

- » Concurrs that DTA techniques are not in wide successful production use
- » Notes that the work program seems to have a lot of emphasis on dealing with mode choice and public transit
- » Suggests that using a transportation modeling software package other than Cube could streamline model development activities
- » Recommends TPB perform additional validation work on the Citilabs Cube PT pathbuilding and assignment routines

Next Steps

Next Steps

- Produce and deliver final versions of the reports
- Prepare FY16 action plan for strategic plan implementation in consultation with TPB staff