

# Status report on the consultant-assisted project for development of the COG/TPB travel demand model

Presentation to the Travel Forecasting Subcommittee  
September 19, 2014

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# Background

- Since 2005 (FY 2006), COG/TPB staff has maintained a consultant-assisted project to provide assistance with the application and development of the COG/TPB travel demand model.
- Project has been conducted using a series of one-year contracts, each of which can be extended for up to two additional years.
- Thus, re-bidding usually occurs every three years:
  - ▣ FY 2009, 2012, 2015
- As announced last meeting: FY 15 consultant is Cambridge Systematics, Inc. (CS)
- We again thank AECOM for their assistance over last three years!



# Major deliverables for this project

- End-of-fiscal-year report summarizing work conducted
  - ▣ Every year
- Modeling files
  - ▣ Some years, depending on task orders



# AECOM's FY 14 end-of-year report

- Report dated 6/30/14 was distributed to TFS at its July 18 meeting
- TFS was provided a 30-day review and comment
- No comments were received from TFS or external staff
- COG staff had some comments
  - ▣ Minor edits, e.g. typos
  - ▣ Follow-up questions on technical details
- Minor edits: Incorporated into report dated 8/18/14 (available on TFS website)
- Staff will follow up with AECOM in Sept.



# Work in FY 2015: Testing AECOM files

- Model enhancements proposed by AECOM that COG/TPB staff will test out and consider for inclusion in future model releases:
  - ▣ Automated procedure for calculating the percent of each zone within walking distance to transit
  - ▣ Enhancements to HOV-lane and HOT-lane modeling, including new routine for toll setting on HOT lanes
  - ▣ Conversion of transit path-building software:
    - From TRNBUILD to PT
  - ▣ Conversion of the mode choice application program:
    - From AEMS (Fortran) to ModeChoice (C++/TRANSIMS)



# FY 15 work with CS

- A kickoff meeting was held between CS and COG/TPB staff on Aug. 1.
- Topics
  - ▣ Assistance implementing considered enhancements
  - ▣ Discussed possible task orders for FY 15
    - Assistance developing a new strategic plan for models development
    - Review of transit modeling with respect to FTA guidance
    - Version control software and bug/issue tracking software



# FY 15 work with CS

- Sept. 17: CS has sent proposals for task orders 15.2 and 15.3:
  - ▣ 15.2 Technical assistance in developing a new strategic plan for models development
  - ▣ 15.3 Review of transit modeling with respect to FTA guidance
- COG/TPB staff will review proposals and respond to CS



# Next steps

- Discuss any final issues with AECOM regarding FY 14 report
- Continue testing AECOM's proposed modeling enhancements
- Review proposals for Task Orders 15.2 and 15.3
- Consider other possible task orders for FY 15

