



**Regional Transportation Technical Advisory Committee
MODELING SUBCOMMITTEE**

Thursday, March 29, 2012

1:30 pm to 4:30 pm

South Florida Regional Transportation Authority
800 NW 33rd Street, Suite 100, Conference Room
Pompano Beach, FL 33064

Agenda

- I. **1:30 - 1:35 Call to Order and Approval of Minutes***
Wilson Fernandez, Miami-Dade MPO

- II. **1:35 - 2:35 SE FL Regional Vision and Blueprint Travel Modeling***
 - Project Overview and Discussion
Joseph Kohl, Dover, Kohl & Partners
 - Recommended Regional Modeling Approach
Rob Schiffer, Cambridge Systematics
 - Other Considerations/Discussion
Representatives of effected counties

- III. **2:35 – 3:30 Origin-Destination Data Capture**
 - Issue Overview
Rob Schiffer, Cambridge Systematics
 - Product Discussions
Cy Smith and Bill King, Air Sage
 - Next Steps
Greg Stuart, Broward MPO

- IV. **3:30 – 3:45 Status Report on SERPM 6.7 for SFECC Study**
Shi-Chiang Li, FDOT-District 4

- V. **3:45 - 4:15 Status Report on 2040 Regional LRTP Modeling**
Wilson Fernandez, Miami-Dade MPO

- VI. **4:15 - 4:30 Future Meeting Schedule & Other Topics to Address**
Wilson Fernandez, Miami-Dade MPO

- VII. **4:30pm Adjournment**

***Action Item**

December 12, 2011 Meeting Minutes

Regional Transportation Technical Advisory Committee (RTTAC)

Modeling Subcommittee

Date: December 12, 2011

Project #: 8055.003

To: Wilson Fernandez, RTTAC Modeling Subcommittee Chair

From: Rob Schiffer, Cambridge Systematics, Inc.
Jessica Josselyn, Kittelson & Associates, Inc.

The following is a summary of the RTTAC Modeling Subcommittee meeting held on April 19, 2011. Meeting presentations should be provided separately via email and ftp.

MEETING TIME AND LOCATION

Monday, December 12, 2011 - 2:15 PM to 4:30 PM
Broward MPO Boardroom
100 West Cypress Creek Road, Suite 850
Fort Lauderdale, Florida 33309

MEETING ATTENDEES (*alphabetical order by agency/firm*)

1. Bill King, Airsage, bking@airsage.com
2. Cy Smith, Airsage, csmith@airsage.com
3. Sung-Ryong Han, BCC Engineering, shan@bcceng.com
4. Bob Fossa, Broward County Transit, rfossa@broward.org
5. John Ramos, Broward County Transit, jramos@broward.org
6. Paul Flavien, Broward MPO, pflavien@browardmpo.org
7. Buffy Sanders, sandersb@browardmpo.org
8. Greg Stuart, Broward MPO, gstuart@browardmpo.org
9. Rob Schiffer, Cambridge Systematics, Inc., rschiffer@camsys.com
10. Quan Yuan, Cambridge Systematics, Inc., qyuan@camsys.com
11. Ken Kaltenbach, Corradino Group, kkaltenbach@corradino.com
12. Srin Varanasi, Corradino Group, svaranasi@corradino.com
13. Min-Tang Li, FDOT D4, min-tang.li@dot.state.fl.us
14. Shi-Chang Li, FDOT D4, shi-chiang.li@dot.state.fl.us
15. Scott Seeburger, FDOT D4, scott.seeburger@dot.state.fl.us
16. Andrew Velasquez, FDOT/Turnpike D6, andrew.velasquez@dot.state.fl.us
17. Rohit Rai, Kittelson Associates, Inc., rrai@kittelson.com
18. Gavin Jones, Martin County MPO, gjones@martin.fl.us
19. Wilson Fernandez, Miami-Dade MPO, Wilson@miamidade.gov
20. Larry Foutz, Miami-Dade MPO, lfoutz@miamidade.gov
21. Carlos Roa, Miami-Dade MPO, rcf@miamidade.gov
22. Marie Dowell, PB, Dowell@pbworld.com
23. Rosella Picado, PB, Picado@pbworld.com

1566 Village Square Boulevard, Suite 2
Tallahassee, FL 32309

24. Nellie Fernandez, Palm Beach MPO, nfernand@pbcgov.org
25. Paul Larsen, Palm Beach MPO, plarsen@pbcgov.org
26. Vinod Sandanasomy, Palm Beach MPO, vsandanasomy@pbcgov.org
27. Arlene Davis, Port Everglades, ardavis@broward.org
28. Peter Buchwald, St. Lucie MPO, BuchwaldP@stlucieco.gov
29. Neelam Fatima, St. Lucie MPO, FatimaN@stlucieco.gov
30. Steven Anderson, South Florida RTA, andersons@sfrrta.fl.gov
31. Michael Busha, Treasure Coast RPC, mbusha@tcrpc.org
32. Kim Delaney, Treasure Coast RPC, kdelaney@tcrpc.org

MEETING NOTES

Below is a summary of the key points discussed at the meeting. The comments have been organized by agenda topic. *Today's RTTAC-MS meeting immediately followed a meeting of the SERPM 7.0 Steering Committee. One sign-in sheet was used for both meetings and some of the attendees were only at one meeting or the other while some attended both meetings. Guests from MPOs to the north were present to hear presentations on Item III of the RTTAC-MS meeting.*

I. Call to Order and Introductions

Wilson Fernandez called the meeting to order. Wilson gave thanks to committee members for their collaboration on moving forward with an activity-based model (ABM) for SERPM v. 7.0. The primary focus of today's meeting is to begin the process of moving forward with planning for development of the ABM for SERPM 7.0.

II. Required Data from MPOs to Support SERPM 7.0

- Shi-Chiang Li gave a brief summary on status of SERPM 7.0. Base year socioeconomic data should be done this month.
- Several tabulations for data are required by TAZ and MAZ, for completion this month. Employment data will be finalized in January.
- Presentation of NAVTEK approach to the highway network was made by Han during prior meeting on SERPM 7.0 progress.
- Wilson brought up the issue of coding transit networks... who will be responsible for doing the work and how? Highway network is close to completion but transit coding will largely wait until the highway.
- Ken Kaltenbach said that whether or not NAVTEK worked, transit networks could be developed from the latest SERPM 6.7. PB responded that January/February timeframe will be timeframe for finalized highway network and a decision on different approaches for transit network coding. Rosella Picado of PB doesn't anticipate more than one month of time to develop transit networks.
- Rosella stated that the ABM model will be up and running during Spring 2012. Transit network is not on critical path. Refinement of ABM will continue on through December 2012. Rob Schiffer offered to provide Google Map transit route files to PB and others for use in transit network coding.

III. Origin-Destination Data Capture Techniques

Presentation was made by Cy Smith and Bill King, of Airsage, at the request of Greg Stuart from the Broward MPO. A recent project for the Raleigh, NC region was used in presenting the mining of Airsage data. This was followed by a presentation from Rob Schiffer on how Cambridge Systematics worked with Airsage on developing an external-external origin-destination matrix for the Chattanooga-Hamilton County/North Georgia Transportation Planning Organization. Andrew mentioned work recently completed by Florida's Turnpike using Bluetooth readers for origin-destination data collection. Wilson asked PB how similar data could be used in development of the ABM. The response was that it would be best for validation at this point in time. Wilson mentioned work going on to plan for the next five years of model-related data collection and identifying needs.

IV. Development of Micro Analysis Zones for ABM

- Miami-Dade MPO – 6,800 MAZs submitted over one month ago. Preparation of SE data
- Broward MPO – likewise, MAZs submitted; will check back on number of MAZs.
- Palm Beach MPO – 4,200 MAZs submitted.
- Followup – Rosella said PB would review and comment on MAZs in January timeframe.

V. Future Meeting Schedule & Other Topics to Address

Wilson reminded attendees of the purpose of RTTAC-MS meetings as it relates to decision-making on regional modeling issues beyond that of a specific model version/study. It was also pointed out that regional modeling team members are available to assist the RTTAC-MS in reviewing input data and model assumptions from a regional perspective. It would be preferred to have SERPM Steering Committee meetings separate from the RTTAC-MS meetings in the future to minimize meeting length. Wilson suggested that a presentation on SERPM 6.7 might be a good idea for next meeting while Shi-Chiang Li suggested a presentation via the FSUTMS Users Group.

VI. Adjournment