



**Regional Transportation Technical Advisory Committee  
MODELING SUBCOMMITTEE**

Wednesday, July 6, 2011

1:30 PM to 4:00 PM

Broward County MPO

100 West Cypress Creek Road, Suite 850

Fort Lauderdale, Florida

**Agenda**

- I. **1:30 - 1:35 Call to Order and Introductions/Overview**  
Wilson Fernandez, Miami-Dade MPO
- II. **1:35 - 1:50 Comments Received from Census on TAZ/TAD Delineation**  
Rob Schiffer, Cambridge Systematics
  - Miami-Dade MPO
  - Broward MPO
  - Palm Beach MPO
- III. **1:50 – 2:00 Status of SERPM 7.0 Consultant Contracting**  
Shi-Chiang Li, FDOT-District 4
- IV. **2:00 – 3:00 ABM Issues for Discussion**  
Shi-Chiang Li, FDOT-District 4
  - Key Dates/Decision Points
  - Role of the RTTAC Modeling Subcommittee
  - ABM Transition/Performance Capabilities
  - Training/Model Execution
- 3:00 - 3:10 BREAK**
- V. **3:10 – 3:40 Developing Action Plan for Additional Survey Data Collection**  
Rob Schiffer, Cambridge Systematics
- VI. **3:40 - 3:50 2035 SERPM Dataset Status/Version Control Update**  
Derek Miura, FDOT-District 4
- VII. **3:50 - 4:00 Future Meeting Schedule & Other Topics to Address**  
Wilson Fernandez, Miami-Dade MPO
- VIII. **4:00pm Adjournment**

## June 1, 2011 Meeting Minutes

*Regional Transportation Technical Advisory Committee (RTTAC)*

*Modeling Subcommittee*

Date: June 1, 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**

Wednesday, June 1, 2011 – 1:30 PM to 4:00 PM  
Broward MPO Boardroom  
100 West Cypress Creek Road, Suite 850  
Fort Lauderdale, Florida 33309

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

1. Paul Flavien, Broward MPO, [pflavien@browardmpo.org](mailto:pflavien@browardmpo.org)
2. Buffy Sanders, [sandersb@browardmpo.org](mailto:sandersb@browardmpo.org)
3. Rob Schiffer, Cambridge Systematics, Inc., [rschiffer@camsys.com](mailto:rschiffer@camsys.com)
4. Quan Yuan, Cambridge Systematics, Inc., [qyuan@camsys.com](mailto:qyuan@camsys.com)
5. Shi-Chang Li, FDOT D4, [shi-chiang.li@dot.state.fl.us](mailto:shi-chiang.li@dot.state.fl.us)
6. Derek Miura, FDOT D4, [derek.miura@dot.state.fl.us](mailto:derek.miura@dot.state.fl.us)
7. Chon Wong, FDOT D4, [chon.wong@dot.state.fl.us](mailto:chon.wong@dot.state.fl.us)
8. Neil Lyn, FDOT D6, [neil.lyn@dot.state.fl.us](mailto:neil.lyn@dot.state.fl.us)
9. Andrew Velasquez, FDOT/Turnpike, [Andrew.velasquez@dot.state.fl.us](mailto:Andrew.velasquez@dot.state.fl.us)
10. Manuel Armada, Miami-Dade Planning & Zoning, [mav@miamidade.gov](mailto:mav@miamidade.gov)
11. John Lucas, Miami-Dade Planning Dept. [jlucas@miami-dade.gov](mailto:jlucas@miami-dade.gov)
12. Wilson Fernandez, Miami-Dade MPO, [Wilson@miamidade.gov](mailto:Wilson@miamidade.gov)
13. Larry Foutz, Miami-Dade MPO, [lfoutz@miamidade.gov](mailto:lfoutz@miamidade.gov)
14. Carlos Roa, Miami-Dade MPO, [rca@miamidade.gov](mailto:rca@miamidade.gov)
15. Nellie Fernandez, Palm Beach MPO, [nfernand@pbcgov.org](mailto:nfernand@pbcgov.org)
16. Paul Larsen, Palm Beach MPO, [plarsen@pbcgov.org](mailto:plarsen@pbcgov.org)
17. Vinod Sandanasomy, Palm Beach MPO, [vsandanasomy@pbcgov.org](mailto:vsandanasomy@pbcgov.org)
18. Steven Anderson, South Florida RTA, [andersons@sfrta.fl.gov](mailto:andersons@sfrta.fl.gov)

### **MEETING NOTES**

Below is a summary of the key points discussed at the meeting. The comments have been organized by agenda topic.

### **I. Call to Order and Introductions**

Wilson Fernandez called the meeting to order and everyone introduced themselves. It was noted that a key reason for today's meeting was to provide an update and coordinate the delineation of TAZs and TADs.

### **II. SERPM TAZ Delineation Process/Status Report**

Each MPO/County made a brief presentation on how each has been addressing the Census 2010 TAZ/TAD delineation process. Each MPO started out with the 2000 TAZs as a starting point. As discussed at the last meeting, Palm Beach County delineated Census TAZs that sometimes deviate from SERPM TAZs while Miami-Dade County decided to make the Census and SERPM TAZs consistent with each other. Palm Beach County now has 919 Census TAZs vs. 1,700 SERPM TAZs, with an equivalency file allowing for data disaggregation/aggregation. Zones increased from 1,469 to 1,506 in Miami-Dade County, with a special focus on transit routes and station locations as well as future corridors for zone splitting. Palm Beach still has some work to do on evaluating zones for potential splitting. It was also noted that Palm Beach County has better internal information on dwelling units than does the Census. Broward County added about 20 TAZs to account for splitting and there are some differences between SERPM and Census zones.

### **III. Status of SERPM7 Consultant Contracting/ABM Update**

Shi-Chiang Li was impressed by the presentations of ABM at the recent TRB Applications Conference in Reno. He came away feeling that putting off ABM for another five years might put Florida behind the curve... PB team will need to scope and cost out the development of ABM for SERPM7. Li solicited the subcommittee to submit questions and concerns to him this week for forwarding on to the PB team to be addressed. Larry mentioned data requirements as a key issue... Li indicated that the 2009 NHTS Add-On data should suffice for model development. Li also indicated a contingency plan will be in place should something change. Wilson noted that he had a chance to speak with both Danny Lamb and Denise Bunnewith about their plans for ABM. District 7 is taking a two track approach for model development... Track 1 will be ABM model development while Track 2 will be an update to the TBRPM four-step model, with new no model enhancement. The North Florida TPO plans to abandon the four-step approach entirely in favor of the SHRP2 C10 ABM approach. The MPOAC will be discussing ABM at their upcoming meeting this month. Carlos spoke to the MPOAC item and his concerns over cost, consistency, etc. Larry explained that the PB team recommended a somewhat incremental approach to bringing ABM into SERPM7, at the same cost and schedule as a four-step model refinement. Wilson mentioned that FDOT Central Office has a research contract with UF/UCF to move forward with a statewide approach to ABM. Wilson would like a consensus from the subcommittee on where we're headed for the purposes of this month's MPOAC and RTTAC meetings. The argument was made that today's transportation planning is largely focused on operations and enhancements instead of traditional capacity projects... this demands a different set of modeling tools. Carlos expressed concerns about potential loss of model standardization. Additional funding might be forthcoming via the Feds and/or Central Office. Bottom line is that the region is tentatively moving towards a new ABM but contract negotiations still must be finalized.

#### **IV. SERPM Transportation Analysis Districts**

This item was moved ahead of item III. Larry brought up that FDOT Central Office requested that regional model TADs be somewhat consistent within statewide model TAZ boundaries. Shi-Chiang Li essentially got a reprieve from this request within District 4 due to schedules; however, Miami-Dade County did address this issue as part of their delineation process. Paul Larsen suggested that they might consider appending Clewiston to the western PBC TAD. Both Miami-Dade and Palm Beach Counties have recommended substantial splitting of previous TADs... roughly a doubling of TADs vs. current SERPM. Both MPOs looked at screenline locations and major travel corridors in splitting up TADs. MDC also used earlier super-districts and internal county districts in the process. Discussion ensued on "TAD philosophies"... MDC and PBC appeared to be consistent in their approach to splitting TADs. Broward County is just starting into identifying TADs and indicated that the discussion by the other two counties would help inform their approach as well. Wilson requested that all MPOs take a consistent approach to dealing with water boundaries in TAZ delineation.

#### **V. 2035 SERPM Dataset Status/Version Control Update**

Clarification was made that no revised version of SERPM 6.5 has been/will be issued... the next version will be SERPM 6.7 with transit enhancements. Kittelson continues to work with District 4 on a standard process for updates and version control.

#### **VI. Future Meeting Schedule & Other Topics to Address**

Shi-Chiang Li would like to see the region move forward on developing an action plan for additional data collection, beyond household travel surveys, just updated via the NHTS Add-On. A subgroup of the subcommittee will be established to work on a data collection plan and CS staff will be available for support and consultation. All seemed to agree this was a good next step for the Subcommittee, now that Census TAZ delineation is winding down. Discussion ensued on when to have the next Subcommittee meeting... settled on week after July 4<sup>th</sup> (exact date TBD soon).

#### **VII. Adjournment**