Regional Transportation Technical Advisory Committee (RTTAC) Modeling Subcommittee

Meeting Agenda

February 13, 2014 – 1:30 PM to 3:30 PM

Palm Beach Metropolitan Planning Organization
Vista Center - 2300 North Jog Road,
Traffic Engineering ITS Conference – 4th Floor - Room 4E-42
West Palm Beach, FL 33411

GotoMeeting: https://www3.gotomeeting.com/join/183309534
Audio Dial-In: +1-213-289-0155 Access Code: 6872854

I.   **Call to Order**

II.   **Approval of the November 15, 2013 Meeting Minutes** (5 minutes)

III.   **Introductions** (5 minutes)

IV.   **Election of Officers** (5 minutes – *Nellie Fernandez, Palm Beach MPO*)

V.   **SERPM 7.0 Update** (15 minutes – *Shi-Chiang Li, FDOT District 4*)

VI.   **Southeast Florida Household Travel Survey Update** (20 minutes – *Wilson Fernandez, Miami-Dade MPO*)

VII.   **2040 Regional Transportation Plan Modeling**

   A.   Baseline Needs Modeling (35 minutes – *Jay Evans, Cambridge Systematics*)
        i. Network Preparations
        ii. SERPM 7.0 Run Results

   B.   Miami-Dade Mobility Needs Assessment Tool (20 minutes – *Franco Saraceno, Gannett Fleming*)

VIII.   **Latest Schedule for 2040 RTP/LRTPs** (10 minutes – *Wilson Fernandez, Miami-Dade MPO*)

IX.   **Next RTTAC MS Meeting (May 2014)/ Future Schedule** (5 minutes – *Nellie Fernandez, Palm Beach MPO*)

X.   **Adjournment**

Regional Transportation
Technical Advisory Committee (RTTAC)
Modeling Subcommittee
November 15, 2013 Meeting Notes

The following is a summary of the RTTAC Modeling Subcommittee (RTTAC-MS) meeting held on November 15, 2013. Meeting presentations should be provided separately via email and ftp.

MEETING TIME AND LOCATION
Friday, November 15, 2013 - 1:30 pm to 4:00 pm
FDOT D4, 2nd Floor, Broward Conference Room
Commercial Boulevard Fort Lauderdale, FL

MEETING ATTENDEES Present and Via Phone (alphabetical order by agency/firm)
1. Gavin Jones, BCC Engineering, gjones@bcceng.com
2. Todd Brauer, on behalf of Broward MPO, tbrauer@wgianalytics.com
3. Peter Haliburton, Cambridge Systematics, Inc., phaliburton@camsys.com
4. Rob Schiffer, Cambridge Systematics, Inc., rschiffer@camsys.com
5. Andrew Davis, Corradino Group, adavis@corradino.com
6. Ken Kaltenbach, Corradino Group, kkaltenbach@corradino.com
7. Aditya Katragadda, Corradino Group, akatragadda@corradino.com
8. Srin Varanasi, Corradino Group, svaranasi@corradino.com
9. Jason King, Dover-Kohl, jking@doverkohl.com
10. Shi-Chiang Li, FDOT D4, shi-chiang.li@dot.state.fl.us
11. Scott Seeburger, FDOT D4, scott.seeburger@dot.state.fl.us
12. (FDOT D6 not present)
13. Franco Saraceno, Gannett Fleming, fsarasceno@gfnet.com
14. Jessica Josselyn, Kittelson Associates, Inc., jjosselyn@kittelson.com
15. Wilson Fernandez, Miami-Dade MPO, Wilson@miamidade.gov
16. Carlos Roa, Miami-Dade MPO, rcf@miamidade.gov
17. Paul Larsen, Palm Beach MPO, plarsen@pbcgov.org
18. Nellie Fernandez, Palm Beach MPO, nfernand@pbcgov.org
19. Vinod Sandanasomy, Palm Beach MPO, vsandanasomy@pbcgov.org *(via phone)*
20. Marie Elsie Dowell, PB, dowell@pbworld.com
21. Rosella Picado, PB, picado@pbworld.com
22. Arlene Davis, Port Everglades, adavis@broward.org

23. Bob Burchell, Rutgers University, burchell@rci.rutgers.edu *(via phone)*
24. Joe Quinty, South Florida RTA, quintyj@sfrta.fl.gov *(via phone)*
25. Linda Westin, South Florida RTA, westinl@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
Paul Larsen called the meeting to order.

II.   Approval of July 30, 2013 Minutes
Minutes from the July 30, 2013 meeting were approved unanimously.

III.   Seven50 Alternative Scenario Modeling Update
Jason King provided a brief introduction, followed by a presentation from Bob Burchell on the seven50 land use alternatives. As described during our last meeting, four land use scenarios had been developed. A population increase of 3 million and increase in employment of 2 million through 2060 is assumed for all. Land use scenarios included three plan scenarios and one trend scenario. Immigration to the northern counties varies among the scenarios. The presentation went through the remaining three scenarios and described demographic differences and potential reductions in auto trips. Other metrics will be forthcoming from the scenario analysis in the next few weeks, including study documentation.

IV.   SERPM 7.0 Update
Shi-Chiang Li indicated that model calibration and validation is just about complete. The model should be available for 2040 E+C model runs next week. Plans are underway for model training and two dedicated FDOT computers will be made available for the purposes of running the model by MPO LRTP consultants. Documentation of validation results will be forthcoming soon. A request was made to make files and current documentation available next week.

V.   2015 Southeast Florida Household Travel Survey
Shi-Chiang Li provided some background on this topic. The decision is not seen as contingent on Model Task Force decisions about a statewide household travel survey.

PB prepared a white paper and presentation on this potential effort. A key component of the survey is a focus on differences in travel behavior among a variety of population groups, their lifestyle, and travel choices. There was considerable discussion among committee members on the need and timing to move forward with an updated survey. It was suggested that a stronger sell in non-modeler language be prepared, including the following:

- Discuss our commitments made to the tool and how this new data will enhance it
- Discuss how the tool helps us make better decisions with this new data
- Show an order of magnitude relating to regional impact if we did or did not obtain the data
- A fact sheet was recommended in addition to the white paper

It was also suggested that there be discussion of the alternative methods, associated costs, and potential impacts to making investment decisions.

A motion was made and approved, "The RTTAC MS accepts the white paper with the inclusion of comments offered by the subcommittee. The Subcommittee recommends the RTTAC to fund and conduct the 2015 Regional Household Survey to support the 2045 LRTP update."

Wilson stated the RTTAC will require information on costs and required budget commitments from planning partners in southeast Florida. These materials need to be made available to the RTTAC as part of their January agenda package, meaning a mid-December deadline for preparation.

VI.   2040 SERPM Demographic Profile Update
Rob displayed summaries of key demographic estimates for 2010 and 2040 for each county and the region. It was duly noted that Broward County's regional share of households, employment, and school enrollment is expected to drop over the period of 2010-2040 due lack of available land. Issues relative to evolving household characteristics, as identified by Shi-Chiang Li, were briefly discussed. Committee members seemed to agree that existing trends would still suffice for 2040; however, each MPO has the ability to adjust some of these characteristics for alternatives testing purposes.

VII.   2040 SERPM External Trips and Special Generators Update
Rob presented information on external trips and special generators, as per the previous meeting. 2040 external forecasts and enplanements have been provided to PB for use in the 2040 model. If forecasts of truck trips at the Ports are needed, Rob indicated he would provide if requested.

VIII.   SERPM Final Existing + Committed (E+C) Network Update
Srin explained the process that was used in coding the 2018 E+C network, and briefly discussed addressing comments received from each MPO and their consultants. He also discussed special projects such as the I-595 reversible lanes and other managed lane corridors. The E+C network is ready for assignment and use by MPOs and their consultants for alternatives testing. Turnpike did have some minor comments on managed lanes pricing curves that could potentially be incorporated into the coding.

IX.   Latest Schedules for 2040 RTP/LRTPs
Rob provided a brief overview of next steps and deferred discussion on some of these topics to Wilson's agenda item (next).

X.   2040 Regional Modeling Process
Wilson led this discussion on expectations, roles, and responsibilities for each MPO. He pointed out that we would like to have an updated list of Needs Plan projects by December 2nd. For those MPOs that don't have the time and resources to provide a listing, the regional RTP team will code up the current 2035 Needs Plan. For those MPOs that can provide a listing of needs projects, it is expected that the E+C network coding templates from Srin should again be used for the purposes of the Needs Plan coding. Coding of this baseline Needs Plan will be completed during December with delivery of all SERPM7 input and output files by December 31st. The question was raised on other entities such as Turnpike and SFRTA. Wilson also clarified that the regional consultants will

not be running alternative Needs scenarios… that is the responsibility of each MPO and their LRTP consultant teams. Motion was to document the process and provide by December 22nd.

XI.   Next RTTAC-MS Meeting and 2013 Meeting Schedule

Nellie noted upcoming meetings will take place in February, May, and August.

XII.   Adjournment

Paul Larsen adjourned the meeting.