



Regional Transportation Technical Advisory
 Committee (RTTAC) Transportation System
 Management & Operations (TSM&O)
 Subcommittee

Meeting Agenda

July 26, 2018, 10:00 AM

Broward MPO

100 W. Cypress Creek Road, Suite 650
 Fort Lauderdale, FL 33309

Note: Action items/decisions denoted with an asterisk *

10:00 AM	I. Call to Order / Introductions
10:05 AM	II. Approval of April 26, 2018 Meeting Notes*
10:05 AM	III. Discussion and approval of Agenda
10:10 AM	IV. Continuing role of subcommittee; <ul style="list-style-type: none"> o Leadership - chair and co-chairs o Purpose, goals o Products o Meeting frequency
10:40 AM	V. Committee activities <ul style="list-style-type: none"> o Project delivery o Prioritizing projects o Work Program process overview for each MPO o Funding – O&M o Regional Action Plan Priorities for 2018 and beyond* o Discussion of revised handout table(s) – All
11:10 AM	VI. Roundtable discussion <ul style="list-style-type: none"> o Project updates from attendees - All
11:45 AM	VII. Other Business <ul style="list-style-type: none"> o June and July RTTAC meeting updates – All
11:50 AM	VIII. Next TSM&O Subcommittee Meeting <ul style="list-style-type: none"> o To be discussed (typically fourth Thursday)
11:55 AM	IX. Adjournment



Regional Transportation Technical Advisory Committee (RTTAC) TSM&O Subcommittee

April 26, 2018 Meeting Notes

The following is a summary of the RTTAC meeting held on April 26, 2018.

MEETING TIME AND LOCATION

Broward MPO Board Room, 100 W. Cypress Creek Road, Fort Lauderdale, FL

MEETING ATTENDEES

1. Giri Jeediguanta, Palm Beach County, GJeedigu@pbcgov.org
2. Melissa Ackert, FDOT D4, Melissa.Ackert@dot.state.fl.us
3. Jonathan Ford, FDOT D4, Jonathan.Ford@dot.state.fl.us
4. Mary-Teri Vilches, Miami-Dade TPO
5. Buffy Sanders, Broward MPO, sandersb@browardmpo.org
6. Javier Rodriguez, FDOT D6, Javier.Rodriguez2@dot.state.fl.us
7. Yamilet Diaz, FDOT D6, Yamilet.Diaz@dot.state.fl.us
8. Charlie Zhu, BCTED, Czhu@Broward.org
9. Girish Kumar, HNTB, gkumar@HNTB.com
10. Jessica Josselyn, Kittelson & Associates, jjosselyn@kittelson.com
11. Abby Morgan, Kittelson & Associates, amorgan@kittelson.com
12. Peter Haliburton, Cambridge Systematics, phaliburton@camsys.com

MEETING NOTES

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

I. Call to Order / Introductions

Giri Jeedigunta called the meeting to order at 10:08 am.

II. Approval of January 31, 2018 Meeting Notes

The January 31, 2018 meeting notes approval was motioned by Buffy Sanders and seconded by Jonathan Ford. The notes were approved unanimously.

III. Roundtable Discussion – Regional Project Updates

Javier Rodriguez provided an update on projects in D6/ Miami-Dade County. The InSync adaptive control pilot project on SW 8th Street was damaged by Hurricane Irma. It will be back in

operation by May 15th. Maintenance for the system is being conducted by County (signals) and FDOT (InSync system). Another adaptive signal control project on NW 119 Street will commence design-build in May using an Econolite system. The Okeechobee Rd./US 27 freight corridor has a reconstruction project programmed from the Palmetto Expressway to the Broward County line and will include signal controller upgrades, communications, detectors and cameras. As part of the project, monitoring will be conducted and lessons will be shared with the subcommittee. Across Miami-Dade County, signals are being upgraded to the Econolite system. In Monroe County, FDOT will be taking over signal maintenance from three municipalities; this includes 17 signals over approximately 100 miles.

In D6, the core TSM&O group is working on an action plan to meet FDOT Central Office TSM&O Strategic Plan goals, and has developed a corridor map for the ultimate TSM&O network which will be shared at the next subcommittee meeting. Generally, the network includes the SIS, corridors of significance, the County's 12 priority corridors, Miami Beach corridors, and evacuation routes. It was proposed that the D6 map be put together with D4 map to show cross-county connections which will be included and referenced in the 2045 RTP.

Jonathan Ford provided the D4 update. In Broward County, an adaptive control system on Pines Blvd from Flamingo Road to Dykes Road is currently in design-build and expected to be in operation by November 2018. On Stirling Road from US 441 to University Drive a Gridsmart video detection system is being deployed. This provides live data including turning movement counts.

The Henry Kinney Tunnel project is in design and includes life safety upgrades plus ATMS & adaptive signal control from I-595 to Broward Blvd. This includes remote operation of life safety systems from the Broward TMC. Includes the SCATA system which will monitor ventilation, fire suppression, video monitoring and includes thermal cameras.

In Palm Beach County, an adaptive project is in development on PGA Blvd, anticipated to be completed by early 2019. In Fort Pierce an Econolite system is in deployment on US 1, with completion anticipated in summer 2018. St Lucie County is moving forward with Phase 1 of their adaptive system, currently in design. The County will operate and maintain from a new TMC location which is in project development.

Melissa Ackert noted research her office is working on with FIU to conduct ICM research including predictive modeling with Dr. Hadi. They are assessing different types of models that can be used for ICM. In the field of crash prediction research, a vendor representing the Waycare platform has presented to the Department on their ability to predict crashes based on volume and speed data plus prior crash rates. The District is addressing what can/should be done with prediction outcomes. The concept is to potentially allocate road ranger-type resources to a specified (forecasted) location for certain time periods based on their prediction models, with the aim being reduced incident clearance times reduced.

Buffy Sanders reported that the Broward MPO ICM project has been completed. The MPO plans to move forward with a demonstration pilot project when new funding becomes available, likely to include development of an RFQ for deployment of an ICM software platform. The prior phase identified the segment from Cypress Creek Road to the Miami-Dade County line.

Giri Jeedigunta noted potential issues associated with numerous local agencies pursuing complete streets projects and impacts to traffic mobility. Melissa noted that District 4 is conducting further review of the impacts of such projects, and that TSM&O and network impacts have not always been fully considered in prior complete streets projects.

IV. Regional Action Plan Priorities for 2018 and Beyond

A one-page handout table containing eleven proposed action items was circulated to attendees, and the action items discussed.

Melissa asked how the Subcommittee will accomplish any or all of these tasks. Should they be pursued individually by agency staff? She suggested that FDOT staff reach out to each member-agency to gather and evaluate ideas on achieving the proposed Subcommittee action items.

The larger issue of funding and project development through the local transportation improvement programs (TIPs) and FDOT's work program was also discussed. Buffy noted that the Broward MPO uses broader line items for TSM&O related projects in their TIP – i.e. not project specific, but rather identifying funding available, with project specifics being developed in the design phase as technologies continue to rapidly evolve. Melissa suggested FDOT can meet with MPOs to help identify specific projects, with a focus is on regional projects. It was also suggested that FDOT invite someone from the Work Program office to the next Subcommittee meeting to further explain the project funding and development pipeline. Greg Stuart joined the meeting briefly and noted that the MPOAC has developed a flowchart to understand TIP/STIP/WP process.

Javier noted that in D6 the focus for programming TSM&O projects in the WP is on regional corridors, with discussion on addition of TSM&O components to the programmed within local projects being focused within TIP development and technologies to be addressed in project development process. He suggested the need for a regional policy for further mainstreaming TSM&O, and that MPO liaisons should ensure TSM&O is addressed in scope and fee estimate for appropriate corridor projects. There was also discussion of the need/value of expanding the Regional Concept for Transportation Operations (RCTO) for South Florida beyond the subject of Express Lanes which is the current subject of the plan.

Jessica Josselyn noted that the 2045 RTP would be a good potential conduit for regional projects, and that the next RTP update will provide guidance on a consistent way to address TSM&O in all regional projects – i.e. mainstreaming, and will address a 2-phase approach for short-term projects and longer-term needs separately following a more formalized process. The suggested process would include discussing with RTTAC identified needs lists of corridors and projects.

There was a brief discussion of the need for the Subcommittee to work on gaining greater public recognition for the active traffic operations work done by the multiple agencies. Javier suggested the Subcommittee consider including education/outreach actions in the one-year work plan. The Implementation Guide Table 9 contains five actions addressing outreach to elected officials, transportation agencies, the public, the media and educational institutions. Further discussions should address whether a subset or all of these actions should be included.

Melissa provided some suggestions for potential additions of actions, including: Integration of technologies & services; Data integration; Data sharing; Smart city goals and initiatives; Scalability; Coordination and collaboration of TSM&O elements, particularly including enforcement.

V. Implementation Guide – Comments and Discussion

Comments on the revised Implementation Guide (March 2018) were provided by FDOT D6 and Miami-Dade TPO. All comments have been reviewed and will be incorporated in the revised version of the document.

VI. Other Business

Report on RTTAC April 11, 2018 Meeting

Jon Ford provided an update on discussion at the meeting, including the actions included in the Implementation Guide. The Committee provided no significant input or concerns with approach; everyone was supportive. The Committee confirmed they're a resource for the TSM&O Subcommittee to work with, and agreed the Subcommittee should try to garner more enthusiasm for TSM&O in the broader community. They talked about the opportunity to perhaps update them on a more detailed scale to be able to share more value of technology, with perhaps a refresher presentation to committee.

Giri suggested that the Subcommittee needs to be on every RTTAC meeting to present example successes of TSM&O, perhaps one from each District – with examples being work with the City of Ft Lauderdale, Broward's Greenlights program, TSM&O monthly dashboard reports. The next meeting is June 13th at BMPO.

2045 RTP Update (Kittelson)

Abby Morgan made a presentation on addressing technology and TSM&O in the plan; will be focused on policies to help region get where they want to go with technology, active management and transit, and addressing funding needs which will be addressed through scenarios for alternate funding sources

VII. Action Items

1. D6 will present findings, lessons from US 27 TSM&O implementation to Subcommittee at a future meeting
2. D6 will share their action plan to meet FDOT Central Office TSM&O Strategic Plan goals at a future meeting
3. D4 and D6 to combine/overlay TSM&O corridors maps to confirm connections
4. Agreement needed on specific (1-year and beyond) actions for Subcommittee; may include adding education/outreach actions (see items 11 & 12 below)
5. D4 will reach out to local agencies to gather and evaluate ideas on achieving the proposed Subcommittee action items
6. D4 will meet with MPOs to help identify specific TSM&O projects for Work Program, with a focus is on regional projects
7. Invite FDOT Work Program Office representative to next meeting

8. Broward MPO will provide a flowchart developed by MPOAC to understand TIP/STIP/WP process (Greg Stuart via Buffy)
9. D6 suggested the need for a regional policy for further mainstreaming TSM&O, and that MPO liaisons should ensure TSM&O is addressed in scope and fee estimate for appropriate corridor project
10. Consider expanding the Regional Concept for Transportation Operations (RCTO) for South Florida beyond the subject of Express Lanes
11. Subcommittee to work on gaining greater public recognition for the active traffic operations work done by the multiple agencies
12. Consider (and agree on) potential additional Subcommittee actions – e.g. integration of technologies and services, etc.
13. Plan to attend/present at every RTTAC meeting in more detail on TSM&O successes. Next is June 13th.

VIII. Next TSM&O Subcommittee Meeting

The next subcommittee meeting is scheduled for July 26th, 2018 at 10 am at the Broward MPO offices (note: meeting is usually fourth Thursday).

IX. Adjournment

The meeting was adjourned at 12:05 PM.