



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

Meeting Agenda

January 31, 2017 – 1:30 PM

FDOT District Four

Auditorium
3400 W. Commercial Blvd
Fort Lauderdale, FL

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| 1:30 PM | I. Call to Order / Introductions |
| 1:35 PM | II. Approval of October 18, 2016 Meeting Notes* |
| 1:40 PM | III. Overview of the TSM&O Subcommittee Consultant Support Task Work Order <ul style="list-style-type: none">○ Update and discussion – Karen Kiselewski |
| 2:00 PM | IV. High Level Overview of the Systems Engineering Process and the D4/D6 Regional ITS Architecture <ul style="list-style-type: none">○ Presentation – Jonathan Ford |
| 2:30 PM | V. 511 Overview <ul style="list-style-type: none">○ Presentation – Loni Paige |
| 3:00 PM | VI. Roundtable discussion <ul style="list-style-type: none">○ SEFTC Regional Plan and TSM&O○ Update on the Integrated Corridor Management (ICM) in Broward County○ Project updates from attendees |
| 3:20 PM | VII. Other Business |
| 3:25 PM | VIII. Next TSM&O Subcommittee Meeting – TBD |
| 3:30 PM | IX. Adjournment |

*Action Item

Call-in number available upon request to Karen Kiselewski, kkiselewski@camsys.com



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

October 18, 2016 Meeting Notes

The following is a summary of the RTTAC meeting held on October 18, 2016.

MEETING TIME AND LOCATION

Broward Regional Traffic Management Center, 10:00 a.m.

MEETING ATTENDEES

1. Melissa Ackert, FDOT D4, melissa.ackert@dot.state.fl.us
2. Charlie Zhu, BCTED, czhu@broward.org
3. Frank aira, MD DPTW-TSS, airaf@miamidade.gov
4. Roxana Ene, Broward MPO, ener@browardmpo.org
5. Mary Tery Vilches, Miami-Dade MPO, mvilches@miamidadempo.org
6. Mark Plass, FDOT D4, mark.plass@dot.state.fl.us
7. Shi-Chiang Li, FDOT D4, shi-chiang.li@dot.state.fl.us
8. Jonathan Ford, FDOT D4, Jonathan.ford@dot.state.fl.us
9. Javier Rodriguez, FDOT D6, javier.rodriguez@dot.state.fl.us
10. Saud Khan, FDOT D6, saud.khan@dot.state.fl.us
11. Anna Bielawska, SFRTA, bielawskaa@sfrta.fl.gov
12. Fred Stubbs, Palm Tran, fstubbs@pbcgov.org
13. Karen Kiselewski, Cambridge Systematics, kkiselewski@camsys.com
14. Peter Haliburton, Cambridge Systematics, phaliburton@camsys.com
15. Jessica Josselyn, Kittelson & Associates, jjosselyn@kittelson.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

Melissa Ackert called the meeting to order.

II. Approval of July 20, 2016 Meeting Notes

The July 20, 2016 meeting notes approval was motioned by Shi-Chiang Li and seconded by Jonathan Ford. The notes were approved unanimously.

III. Overview of TSM&O Subcommittee Consultant Support Task Work Order

Melissa Ackert gave an overview of the task order. It will be a 12-month project (anticipated completion in the fall of 2017) with four separate activities. Peter Haliburton and Karen Kiselewski gave an update on the task order progress.

- Review of past studies: MPO studies, planning studies, and safety studies
 - A discussion occurred on the categories that were selected to organize the study review by. The following comments were made about the categories:
 - All seem appropriate.
 - Fred Stubbs made a note about the limits to be extended for the Military Trail example.
 - The subcommittee will be able to review the summary for QA/QC.
 - Mark Plass suggested main themes above the seven items identified. Context Sensitive approach to the following themes: Complete Streets, Ped/Bike Mobility, Freight Mobility, Transit. He noted we should make sure the document is relatable to other groups.
 - Include in the summary why the examples were the ones selected and tie them into the main themes noted above.
 - A discussion occurred on the findings organization:
 - One of the keys to success is to develop a strategic plan that can then be followed. A strategic plan is implying buy in.
 - It would be good to understand what process was followed and the subcommittee may want to consider developing a more formalized process that could be vetted and shared with the region.
 - Give a summary example of the community acceptance issue.
 - It may be beneficial to conduct interviews on identifying the “behind-the-scenes” information as to the approach taken to integrating TSM&O into the study/process and what were the weaknesses and strengths in the approach. If interviews cannot be conducted due to scope limitations, perhaps the subcommittee could send this information to the project team.
 - An overview of Task 2 related to funding and programming was given. The following comments were provided regarding the categories and case studies identified:
 - Add types of projects the case studies are funding

- FDOT Central Office should be on the list of agencies to speak to
- Add O&M related discussions to the case studies

IV. Roundtable Discussion

- a. Integrated Corridor Management (ICM) in Broward County
 - Melissa Ackert gave an overview, on behalf of Buffy Sanders regarding what ICM is and how the Broward County grant project is being conducted. The group had no comments or questions.
- b. Planning for and Implementing TSM&O in Work Zones
 - Melissa Ackert gave an overview of Work Zone related activities in FDOT District Four.
 - Saud Khan gave a brief overview on the Statewide Lane Closure Information System (LCIS). He noted that Smart Zones will be managed by FDOT and that contractors will be pulled in to manage the system in the future once it becomes more standard.
- c. Palm Beach County Projects
 - Melissa Ackert gave an overview, on Giri Jeedigunta's behalf, of the PBC efforts including Glades Road intersection improvements, adaptive traffic control system, and fiber optic communication cable. A discussion occurred on adaptive traffic signal timing and if it has been done and how it has been working. The group had mixed reactions and said it is case-by-case.
 - A question was raised as to whether or not we are maximizing the current system that is in the field.
 - It was noted that the region should redefine how we look at capacity and level-of-service given the Complete Streets initiative. The region needs to think through how we address non-auto mobility and how operations are managed to accommodate the priority mode (i.e., pedestrians).
 - During the peak period, the signal system is near its maximum ability and very little can be done to address the congestion during the peak through TSM&O/ITS treatments. There are many tools in the toolbox being used, including adaptive signal timing control.
 - In general, there are still improvements and adjustments that can be made to the existing system without going to adaptive signal timing.
 - Planning studies need to address non-recurring congestion needs in addition to recurring congestion needs.

d. Fort Lauderdale Push Button

- Jonathan Ford gave an overview presentation on the Fort Lauderdale ATMS project in the US 1/SE 17th Street area.

e. Other Updates from Attendees

- FDOT District 4/Broward County:
 - FDOT District 4 is beginning the TSM&O and Transit Master Plan process.
 - Broward County has upgraded their system but they have not integrated a connected vehicle module.
- FDOT District 6/Miami-Dade County:
 - SW 8th Street has an adaptive signal timing control pilot project.
 - NW 19th Street RFP is going to be released that looks at adaptive, connected vehicle, fiber optics communications.
 - The City of Miami Beach ITS and Parking Management System RFP is advertised. They want to co-locate with the TMC. FDOT is offering to assist with infrastructure needs to accommodate municipality projects. The municipalities are responsible for the O&M costs.
 - CCTVs are being deployed throughout Miami-Dade County.
 - The next generation of controllers are being assessed for Miami-Dade County. They are testing adaptive signal timing as well as connected vehicle technologies with the new system.
 - NW 36th Street will have a connected vehicle pilot project in the near-future.
- Connected Vehicles
 - Conversations are being held with car dealerships, etc. in how the vehicle advancements can integrate with the system advancements. Slow progress has been made to date due to legal/privacy concerns.
- Data
 - A discussion on Waze and data sharing came up in discussion. The group is interested in having this as an agenda topic for a future meeting.
 - A discussion should occur in the future how the data can be used in the regional model.

V. Other Business

Additional topics of interest were noted:

- Systems Engineering process
- FDOT Regional ITS Architecture
- Task Order Development
- NW 36th Street Connected Vehicle Module Project

VI. Next TSM&O Subcommittee Meeting – January 2017

The next subcommittee meeting will be held in January 2017. Details will be sent following the meeting.

VII. Adjournment

The meeting was adjourned.