Attendees

* **Neelam Fatima***, St. Lucie TPO* (Chair, ATA Subcommittee)
* **Jack Klodzinski***, Florida Turnpike* (Vice-Chair, ATA Subcommittee)
* **Abishek Komma**, Citilabs
* **Arturo Perez**, Leftwich Consulting Engineers
* **Chunyu Lu***, RS&H*
* **David Rae***, URS*
* **Frederick Ducca**, University of Maryland
* **Heinrich McBean**, Parsons Brinckerhoff
* **Howard Slavin**, Caliper Corporation
* **Kazem Oryani**, Wilbur Smith Associates
* **Michael Doherty***, URS*
* **Mohammed Hadi**, Florida International University
* **Rob Schiffer**, Cambridge Systematics
* **Roberto Miquel**, Wilbur Smith Associates
* **Sandeep Puppala**, Parsons Brinckerhoff
* **Sharon Lewis**, Lake County
* **Srinivas Varanasi**, The Corradino Group
* **Stephen Lawe**, Resource Systems Group
* **Vidya Mysore**, FDOT Central Office
* **Vladimir Majano**, FDOT Central Office
* **Wilson Fernandez**, Miami-Dade MPO
* **Yafeng Yin**, University of Florida
* **Yew Song**, Florida Turnpike

1. **Welcome and Introduction**

* Neelam Fatima (Chair) welcomed everyone to the meeting and introduced Wilson Fernandez (Chair, Model Advancement Committee). Wilson gave a brief presentation on the reorganization of the subcommittees of the Model Advancement Committee and provided the background for the changes. He announced that with effect October 2011, the Dynamic Traffic Assignment and Toll Modeling Subcommittees have been merged into a new Advanced Traffic Assignment (ATA) Sub-committee and the Activity-based Modeling and Time of Day Subcommittees have been merged into a new Advanced Model Structure (AMS) Subcommittee.
* Neelam thanked Wilson for his encouragement and guidance. Wilson Fernandez was one of the first tri-chairs of the MTF and we appreciate his active participation in the sub-committee.
* Neelam also offered condolences on behalf of the subcommittee members to Vidya Mysore and Terry (FDOT Central Office) whose father had recently passed away.

1. **DTA Project Update – *Neelam Fatima, Chair, ATA Subcommittee***

* Neelam presented an update on the progress made to date on the DTA research project: *“****Use of Dynamic Traffic Assignment in FSUTMS in Support of Transportation Planning in Florida”***. Neelam’s update is included in the PowerPoint presentation listed at the end of this document. A link to the PowerPoint file is also provided. In response to a question, she mentioned that project related information including scope of services and requirements are available on the project webpage.

1. **ISSTA Development – *Mohammed Hadi, Florida International University***

* Neelam introduced Dr Hadi to the attendees and provided a brief overview of Dr. Hadi’s prior experience and research in dynamic traffic assignment.
* Dr. Hadi described and demonstrated the ***Integrated Support System for Traffic Assignment (ISSTA) Tool*** that was developed by the DTA research project team. The ISSTA tool is independent of the modeling software platform and can support static and dynamic traffic assignment. A chart of the ISSTA process is included in the PowerPoint presentation file listed at the end of this document.
* Questions and Comments
  + In response to a question from Neelam, Dr. Hadi confirmed that the ISSTA tool can be used for origin-destination matrix (OD) estimation.
  + In response to a request from Neelam, Dr. Hadi commented on some of the issues related to convergence in DTA traffic assignment. He explained that several properties of the model may be violated when the assignment does not converge and this could lead to network instability when changes are made to the calibrated network.
  + Kazem Oryani (Wilbur Smith Associates) suggested that Dr. David Boyce (Northwestern University), who has researched the issue of network disturbances/convergence, be invited to join the subcommittee. Neelam stated that the subcommittee would follow up on Kazem’s suggestion.
  + Rob Schiffer (Cambridge Systematics) suggested that Tom Rossi (Cambridge Systematics) be invited to provide input from his work on the SHRP C10 project.
  + Neelam stated that the subcommittee will begin a series of DTA webinars next year and would invite Tom to give a presentation. Also, asked the sub-committee members to share ideas/suggestions on the proposed webinar series
  + In response to a question from Fred Ducca, Dr Hadi stated that the ISSTA tool is open-source and would be made available to FDOT. Vidya Mysore (FDOT Central Office) explained that the outcomes form the research project would be made available outside of Florida. Vidya also stated that tools developed as part of the project would be made available by the researcher to FDOT with no strings attached.
  + Vidya commented on the excellent work being done by the research team. He asked the research team to continue to keep a realistic perspective by focusing on existing needs and practical issues of state and local planners and modeling practitioners by using applied research instead of purely theoretical research.
  + Neelam suggested that Vidya’s comments would be a good topic for discussion at the next Model Task Force (MTF) meeting

1. **Use of ITS in DTA – *Mohammed Hadi, Florida International University***

* Dr Hadi provided a presentation on “ITS Modeling and Traffic Assignment”. The presentation covered the work previously done for the development of the original FITSEVAL (Florida Intelligent Transportation Systems Evaluation) sketch planning tool and current work being done on the expanded version of FITSEVAL. Dr. Hadi’s presentation is included in the PowerPoint presentation included at the end of this document.
* Questions and Comments
  + Roberto Miquel (Wilbur Smith Associates) asked Dr Hadi if the MOVES parameters would be integrated into FITSEVAL. Dr Hadi explained that the MOVES emissions rates, but not the MOVES parameters, would be integrated into the expanded FITSEVAL.
  + Roberto also asked if the tool would be used for regional air quality conformity. Dr Hadi replied that from the perspective of the project, the tool is being developed only for ITS.
  + Fred Ducca noted that the speeds from the SunGuide data are capped at the speed limit. Dr Hadi explained that the speeds being used by the project are not the capped speeds but the raw speed data from the detectors.
  + Vidya commented that the original FITSEVAL was a very successful research project and the source code had been shared with several other States. He also announced that training for updating FITSEVAL into the modeling framework has been scheduled for late spring.

1. **Closing Remarks**

* Neelam announced that the subcommittee has received compliments for its work and thanked all subcommittee members for their participation and input. She also thanked the FDOT Central Office and the Review Committee for their support.
* Neelam declared the meeting closed and stated that the subcommittee members would be subsequently informed of the date of the next meeting.

**Links to files:**

* Agenda:

<http://www.fsutmsonline.net/images/uploads/Agenda_ATA_Subcommittee_Meeting_11_07_11.docx>

* PowerPoint presentation:

<http://www.fsutmsonline.net/images/uploads/ATA_subcommittee_11_07_11.pdf>