



# MTF Toll Subcommittee Meeting Notes

September 16, 2010 – 9:30 AM to 11:00 AM

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## Attendees

**Ahmed Mohideen**, *Cambridge Systematics*  
**Arturo J. Perez**, *Leftwich Consulting Engineers*  
**Betty McKee**, *FDOT – District 5*  
**Bob Crawley**, *FDOT – District 1*  
**David Rae**, *URS*  
**Jack Klodzinski**, *Florida Turnpike*  
**Jerry Graham**, *Traf-O-Data*  
**Jim Fennessy**, *Fennessy Associates*  
**Kazem Oryani**, *Wilbur Smith Associates*  
**Krishnan Viswanathan**, *Cambridge Systematics*

**Michael W. Doherty**, *URS*  
**Ming Tang Li**, *FDOT District 4*  
**Mohammed Hadi**, *Florida International University*  
**Roberto Miquel**, *Wilbur Smith Associates*  
**Rob Schiffer**, *Cambridge Systematics*  
**Sung-Ryong Han**, *BCC Engineering*  
**Vidya Mysore**, *FDOT – Central Office*  
**Vladimir Majano**, *FDOT – Central Office*  
**Wilson Fernandez**, *Miami-Dade MPO*  
**Yew Song**, *Florida Turnpike*

## Welcome and Introduction

- Wilson Fernandez, Model Advancement Committee Chair, welcomed Jack Klodzinski as the new Chair of the Toll Subcommittee.
- Jack introduced himself and welcomed everyone to the meeting. Attendees identified themselves and the Agency/Organization they represented. Jack then stated the agenda items for the meeting.

## Toll Model Application using Dynamic Traffic Assignment – *Prof. Mohammed Hadi, FIU*

- Prof. Hadi's presentation, titled "Advanced Tool to Assess Managed Toll Lane Operations" is available online at:  
[http://www.fsutmsonline.net/index.php?/model\\_task\\_f/subcommittee/toll\\_modeling\\_subcommittee](http://www.fsutmsonline.net/index.php?/model_task_f/subcommittee/toll_modeling_subcommittee)
- Questions and Comments:
  1. Rob Schiffer asked what model was used to obtain the trip tables used for the application. Prof. Hadi replied that the trip tables were from the Statewide model and converted to Dynasmart/DynasT format.
  2. Rob asked if there was a Technical Memorandum or other documentation available for the analysis. Vidya Mysore replied that the research was in its final stage and the report will be made available online subsequently.



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## Time of Day Modeling – *Krishnan Viswanathan, Cambridge Systematics*

- Krishnan's presentation, titled "Time of Day in FSUTMS" is available online at: [http://www.fsutmsonline.net/index.php?/model\\_task\\_f/subcommittee/toll\\_modeling\\_subcommittee](http://www.fsutmsonline.net/index.php?/model_task_f/subcommittee/toll_modeling_subcommittee)
- Questions and Comments:
  1. Kazam Oryani asked whether toll will be implemented as an explicit or implicit variable in the Time of Day Choice model. Krishnan replied that there is no explicit consideration of toll because it is not included in the NHTS data. Toll will therefore be introduced as an implicit cost variable.

## Future Direction for Toll Modeling Activities

- Jack informed the meeting that the Advanced Toll Modeling Project that was led by Jim Fennessy is the last funded toll modeling project for the Subcommittee. Jack asked the members to define Problem Statements for toll modeling so as to develop future projects for the Subcommittee. He suggested that Dr. Hadi's work on advanced tools for toll lane operations could be used to develop a Problem Statement for toll modeling.
- Jack suggested two future activities for the Subcommittee:
  1. **Transferability Testing of the Tolling Scripts from the Advanced Toll Modeling Project:**
    - Subcommittee member can volunteer to test the new tolling scripts using their models and then report the results to the Subcommittee.
    - Jack stated that he and Yew Song will use the Turnpike model to test the tolling scripts and will provide the results to the Subcommittee.
    - Vladimir Majano stated that FDOT Central Office will work with any District interested in testing the new tolling scripts.
    - Jack suggested that the information in the Advanced Toll Modeling report be shared with other model users across the State.
  2. **Next Steps for Congestion Pricing:**
    - Jim gave a brief overview of the status of the congestion pricing work for the Turnpike. Issues were encountered with the Voyager equilibrium assignment process and this was discussed with Citilabs. The congestion pricing work has however stopped due to unavailability of funding.
    - Jack suggested that Subcommittee members volunteer to prepare Problem Statements for congestion pricing.



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- Other Comments:

- Vidya suggested that the Subcommittee consider existing congesting pricing models from other States that can be modified for Florida's use with minimum effort.
- Sung-Ryong Han stated that he may be able to develop a Problem Statement from work being done for the South West Mobility Plan.
- Arturo Perez asked if the database with Ramp to Ramp toll cost was available at FSUTMS Online. Jim replied that the database was developed for the Turnpike and Jack offered to make the database available at FSUTMS Online. Mike Doherty advised that since the database is Turnpike property, proper authorization may be needed before it can be released.
- Jerry Graham asked if the new tolling scripts from the Advanced Toll Modeling project supersede the existing TFM scripts. Vladimir replied that the new scripts supplement the existing TFM script.
- Jerry asked if toll scripts are standard across the State currently. Ahmed Mohideen replied that models across the State currently use varying toll scripts. Vladimir stated that this will become standard when the new toll scripts are implemented as applications by Citilabs and added to the models across the State.
- Vidya suggested that training be made available to the model users so that they understand how the new toll scripts work. Vladimir added that the new scripts are a transfer of the tolling methodology from Tranplan to Voyager.
- Arturo asked if Districts can start using Cube Voyager version 5.1.2 (CV 5.1.2). Vladimir replied that CV 5.1.2 has been tested on several models in the State and the results are satisfactory. Emails will be sent to all model users advising them to upgrade to CV 5.1.2 when the official software becomes available. The email will also include the results of the testing that was done.
- Jack summarized the discussion and stated that the new toll scripts are supplemental scripts for Open Road, Ramp to ramp, and HOT Lanes tolling.

## Announcement of Next Meeting

- Jack stated that the next Toll Subcommittee will be held during the first week of December 2010.

## Closing Remarks

- Jack thanked everyone for attending and declared the meeting over.