

MTF Model Advancement Committee Meeting – July 2, 2015 – 2:00 PM-3:00 PM

Meeting Notes:

MTF Model Advancement Committee Meeting Teleconference

Meeting notes by Makarand Gawade, RS&H

Attendees:

Xiao Cui, Florida's Turnpike Enterprise	Ming Tang Li, FDOT District 4	Hui Zhao, FDOT District 4
Thomas Hill, FDOT Central Office	Mohammed Hadi, FIU	Jeanette Berk, HNTB
Bob Crawley, FDOT District 1	Rosella Picado, Parsons Brinckerhoff	Jim Lam,
Daniel Beaty, ATKINS	Shi-Chiang Li, FDOT District 4	Ken Kaltenbach, Corradino Group
Gabrielle Matthews, FDOT Central Office	Siva Srinivasan, UF	Li Jin, Kittelson & Associates
Sung-Ryong Han, BCC Engineering	Frank Tabatabaee, FDOT Central Office	Xia Jin, FIU
Heejoo Ham, Citilabs	Stephen Lawe, Resource Systems Group	Srinivas Varanasi, Corradino Group
Hillsborough MPO	Vladimir Majano, FDOT Central Office	Makarand Gawade, RS&H
Jerry Graham, Traf-O-Data	Tom Rossi, Cambridge Systematics	Jack Klodzinski, AECOM

Item 1: Welcome by Thomas Hill, State Modeling Manager

- Brief introduction by Thomas

Item 2: Introduction by Xiao Cui, MAC Chair

- Brief introduction by Xiao, Vladimir and Makarand
- Xiao sent emails as an invite to be a part of committee. Currently, there are 32 members and 2 friends. The expectation from members is that they attend all the meetings and help in decision making.
- Xiao highlighted that there today's main topic is discussion about what should be committee goals and expectations from this committee.

Item 3: Past Achievements

- Time of Day**
 - It has been accomplished at a good extent.
 - Time of day was happening before ABM took off. It was effort to convert four step models to five step model. With ABM models progress, Time of Day got dealt with in an

- elaborate fashion. This has been accomplished in major metropolitan regions. But, it may not have been accomplished in smaller regions.
3. Some of Time of Day models are NERPM, SERPM-2 and Tampa Bay models.
- **Toll Modeling**
 1. It is an ongoing topic. Turnpike is working on expressway lane-time of day modelling.
 2. It will be good to bring ElToD back to this committee
 3. Turnpike has potential ideas to utilize EltoD in turnpike modelling.
 4. Jennifer Fortunas is working on similar topic. Xia Jin is working on research project on VOT and VOR and supportive efforts are being conducted in central office.
 5. One question proposed was, how do you take the pricing policy and EltoD structure and get it to reflect conditions in base year model?
 - **Dynamic Traffic Assignment**
 1. New trend is to use DTA with Activity Based Model. It is an ongoing assignment
 2. One of seminal project was done in North East Florida and was led by RSG. There are four ongoing efforts around country by FHWA grants.
 3. For the long range plan, Florida TPO did DTA for AM trip using trends modeler.
 4. Research on similar topics is being conducted and a research based on Multiresolution Simulation analysis is being conducted. We should bring experiences from Jacksonville and other research projects. Committee should take a leading role in conducting outreach and training for DTA.
 - **Improving the Estimation of the Volume Delay Function**
 1. Research project was done by FAMU-FSU College of engineering and one of the issues was lack of data. There is a need of collection of data in metropolitan areas and there is further scope of work on this research topic.
 2. This research project was intended to look at Bluetooth receivers' data. During the project there were not enough Bluetooth receivers. Now the number of Bluetooth receivers have increased considerably. There is considerable data to be mined.
 3. As we have GPS data, we can start looking at route choice modelling.

Item 4: Committee Goals (Discussion)

- A reminder email will be send to collect potential goals for this committee and then a survey poll will be conducted to rank the goals.

Item 5: Announcements:

- Model Task Force (MTF) Meeting is on December 8-10, 2015
- MTF meeting is in Orlando in Jamaican Embassy Suites and direction of this meeting will be towards applications,
- Direction of MTF meeting will be towards applications, notwithstanding if anything committee wants to talk about.

Item 6: Next MAC Meeting

- The primary goals of this committee will be decided. Meeting will be after 4 to 6 weeks.
- Few slides from current research projects with potential applications of the projects will be useful.