

FMTF Model Advancement Meeting Minutes

Date: Tuesday, June 27, 2017
Time: 3:00 P.M. – 4:00 P.M. EST
Where: Web Conference



Attendee	Agency
Thomas Hill	FDOT Central Office
Min-Tang Li	FDOT District 4
Hui Zhao	FDOT District 4
Scott Seeburger	FDOT District 4
Neil Lyn	FDOT District 6
Andrew Tyrell	FDOT District 7
Michael Escalante	Gainesville MPO
Bob Crawley	Heartland TPO
Nick Lepp	MetroPlan Orlando
Denise Bunnewith	North Florida TPO
Mohammed Hadi	Florida International University
Alejandro Casa-Valencia	AECOM
Jack Klodzinski	AECOM
Chunyu Lu	AECOM
David Rae	AECOM
Cesar Segovia	AECOM
Yew Song	AECOM
Rama Balakrishna	Caliper
Heather Lupton	Cambridge Systematics (Meeting Minutes)
Tom Rossi	Cambridge Systematics
Krishnan Viswanathan	Cambridge Systematics
Ozge Cavusoglu	CDM Smith
Ashu Kumar	Connetics Transportation Group
David Schmitt	Connetics Transportation Group
Jeanette Berk	Gannett Fleming
Makarand Gawade	HDR
Tanner Martin	HDR
Dan Beaty	HNTB

Rosella Picado	Parsons Brinckerhoff
Md Sakoat Hossan	RSG
Heejoo Ham	Stantec
Rob Schiffer	Stantec
Jerry Graham	Traf-O-Data

Item 1: Welcome

Item 2: Autonomous/Connected Vehicle Guidance

- Goal is to provide guidance to governmental bodies regarding AV/CV policy making through a shared knowledge and understanding.
- Would like to develop a guide.
- Three major scope tasks:
 - Literature search and industry coordination
 - Coordinate with Uber, Lyft, etc. to see where they see their business going.
 - MPO/MTF coordination and guidance
 - Determine the appropriate place for this presentation
 - Model component analysis
 - Looking to do it for four-step and ABM
 - First Coast MPO
 - Gainesville
 - Identify types of facilities impacted
 - Penetration rate by facility type
 - Consumers, freight
 - Implications of fixed route transit
 - Reduction? Shift?
 - Ownership of AVs/market sectors
 - Consumer, freight
 - On demand
 - Dense urban clusters
 - Age groups
 - Infrastructure needs
 - Supporting infrastructure depending on penetration
 - VMT
 - Electric charging demand
 - LRTP goals and objectives development
 - Develop example LRTP goals and objectives
 - Development of an FDOT MPO AV Planning Guide

- Will serve to aid MPOs in the implementation and regulation of AV/CV throughout the state.
- Want to have this guidance available before MetroPlan Orlando begins their LRTP process.

Action Item:

- **Contact Dan Beaty (dbeaty@hntb.com) if you have any questions, suggestions, or comments.**

Item 3: Model Standardization – Survey Results

- Received 77 responses to the survey
 - Respondent characteristics varied with decent distributions.
 - Over half of respondents were consultants
 - Most model developers are also appliers
- Common data formats, file names, and standards are important to respondents.
 - Most respondents agree to the importance of common data file formats and naming conventions.
- Desire for similarity of structures/procedures of model components (trip generation, highway assignment, etc.).
 - Trip generation
 - Over half of respondents believe each region should decide for itself in regards to trip purposes included in models.
 - Trip distribution
 - Most respondents also believe each region should decide for itself on when to use the gravity model or logit destination choice for trip distribution.
 - Mode choice
 - No strong sentiments from respondents regarding the standardization of mode choice.
 - Time of day
 - There is an approximate 50/50 divide on whether or not time of day segmentation should be done at the same point in the modeling process or whether each region should decide for itself.
 - Highway assignment
 - Most respondents stated that all FSUTMS models using static highway assignment should use the same assignment procedures tailored to their own regional situations.
- Concerns regarding timing of model updates if standards were imposed/encouraged.
- Half of respondents expressed that models should be required to be updated to any established FSUTMS standard structures at the time of their next regular model update.
- Currently just presenting the survey results, not making recommendations.

- Will meet later to move forward with the recommendation process with the Model Task Force.
- FDOT will put something together to feed back to the committee to get feedback before the Model Task Force in October.