



Full Model Task Force Meeting

March 5-7, 2012

Orlando, FL

MEETING NOTES – March 7, 2012

Transearch Freight Movement Data

Paul Ciannavei, IHS Global Insight

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Krishnan Viswanathan (CDM Smith) – Gaps in InfoUSA data w.r.t. warehouse and distribution centers. InfoUSA data seems to be better than competitors
 - Vidya Mysore (FDOT CO) – Can do better with warehouse and distribution centers and we can reevaluate the commodity flows. Obtaining agriculture and construction industry data is tough. IHS can work with FDOT to fill data gaps.
 - Paul Ciannavei (IHS) – Aerial photographs and satellite imagery to obtain data and supplement the data

Truck GPS Data Research

Vidya Mysore, FDOT CO and Abdul Pinjari, USF

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Dan Beaty (Atkins) – Is there a bias because of driver awareness of GPS device? Is there a plan to address the issue. Mainly outliers but a majority of trucks fall within 75 mph.
 - Jack Klodzinski (Florida's Turnpike) – Do the lines get thicker because of short return trips? Yes.
 - Yongqiang Wu (Gannett Fleming) – How did you define a trip? Spot speed information of when the truck was observed at that time. Continuous spot speed so if spot speed is zero and distance is zero then that is the origin or destination of the truck

Dynamic Traffic Assignment

Mohammed Hadi, FIU

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Rama Balakrishna (Caliper) – Compared outputs of different products. Was there an effort to calibrate them to the same baseline data? No budget so looking at small network and testing specifics such as queuing, spillback, etc. Not look at specific tools, but look at what should be considered for the analysis purposes.
 - Scott Seeburger (FDOT D4) – When will the tool be available? End of June but D4 and D6 data already incorporated so available right now.
 - Vidya Mysore (FDOT CO) – For the rest of the state, looking for direction from the MAC.
 - Wongoo Lee (JTA) – Can we test DTA using this software? ISSTA will help to calibrate assignment. Gives a fine grained ODME based on count data.

Action Items

- Work with committee and subcommittee to decide next steps for the implementation of ISSTA throughout the state.

Updating Volume Delay Function for FSUTMS Assignment Procedure

Ren Moses, FSU

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- Discussion items
 - Shi-Chiang Lee (FDOT D4) – Using area type to delineate different facilities. Moving to RCI based & getting physical attributes. Recommendation to come up with actual physical attributes rather than use hypothetical area type/FT. Look into all attributes that influence FF speed and base capacity.
 - Thomas Hill (FDOT D2) – Bluetooth data from Baker and Putnam county and can pass it on to Ren Moses.
 - Arturo Perez (Leftwich Consulting) – How are arterials and surface streets being dealt? Space mean speed being used. Inrix data has speed that is across the entire length and if we can replicate that speed by different hours/days and can produce something like the speed capacity curves. How it looks like and variability by FT/AT is being studied.
 - Dan Morgan (Caliper) – Is the TMC data from Inrix. What basis is being used to screen/validate the data. Not yet validated, but plan to use TTMS data since TTMS detectors are in the middle of each TMC segment. Also will be doing travel time runs. Important to have good validated baseline data.

Action Items

- Thomas Hill (FDOT D2) to share Bluetooth data with Ren Moses (FSU).

INRIX Travel Time Data

Vidya Mysore, FDOT CO

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Can cellphone data provide travel diary data? Need to know the reason for the data. Inrix is doing to do internal research to meet the data needs of the modeling community. Set standards for what is needed for analysis needs.
 - Thomas Hill (FDOT D2) – Figure out O/D patterns from Bluetooth. For commercial vehicle data, look for discrepancies between commercial and passenger vehicles.
 - Scott Seeburger (FDOT D4) – What is the accuracy of the data, what is being captured and not being captured, some information dissemination to the user community about the data and its advantages and limitations.

Action Items

- Reach out to Inrix to identify research needs.

FDOT Executive Management Perspectives on Transportation Policy Planning Impacts on Travel Demand Forecasting

Bob Romig, FDOT CO

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Denise Bunnewith (North Florida TPO) – Is there going to be an update to the SIS Cost Feasible plan. Free capacity added to I-95 and I-295 and have had to add to long range plan. Hope by end LRTP to have a tolling option. Bob Romig (FDOT CO) – Unknown at this point of time.
 - Dennis Hooker (Metroplan Orlando) – Keep eye on the whole ball. Need to go beyond trucks and be a trade and commerce effort for regions. Freight plan due to July 1, 2013.
 - Possible increase of revenues and \$200M might be coming back to trust fund. \$25M to seaport and \$15M to STEP. Recognition that transportation is an economic engine.



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- Juan Flores (FDOT CO) – Freight plan will work with all stakeholders and provide guidebook for guidance to stakeholders
- Paul Flavien (Broward MPO) – Visions for SE Florida. Network of managed lanes and build upon the success of SE Florida and build upon that for the rest of the state. Transit ridership has increased and plans to continue managed lanes.
- Wilson Fernandez (Miami-Dade MPO) – How do you envision the policy to function for already tolled facilities? Increase tolls? Potentially look at congestion (dynamic priced lanes) pricing. Exact policy is currently unknown.
- Jack Klodzinski (Florida's Turnpike) – Right now TPK has federal highway funds, looking at capacity improvements. Looking at the possibility of dynamic pricing.
- Jerry Graham (Traf-O-Data) – Auto occupancy as a factor in managed lanes policy? HOV lanes not very successful, and give the individual the option. Seeking authority to allow transit to run free on managed lanes and how to apply to individual vehicles need to be looked into.
- Larry Foutz (Miami-Dade MPO) – During conversion of HOV to HOT lanes, increased occupancy requirements from 2+ to 3+ and registered 3+ run for free.

Florida's Turnpike Managed Lanes Studies

Jack Klodzinski, Florida Turnpike Enterprise

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Dennis Hooker (Metroplan Orlando) – What can be done about legislative language that excludes managed lanes on I-4 in D5. Contact Turnpike planning office to get updates on the legislative language.

Modeling Managed Lanes: An Initial Discussion

Rosella Picado, PB Americas

- All PowerPoint presentations are now available online at www.fsutmsonline.net
- Discussion items
 - Larry Foutz (Miami-Dade MPO) – How fine do you have to breakdown the time of day. Can managed lanes be modeled with a 3 or 4 time periods? Depends on tolling strategies.
 - Tom Rossi (CS) – How to incorporate variability in VOT, and impact of reliability of travel time. Incorporate results from SHRP projects
 - Dan Morgan (Caliper) – Look at work being done by Transurban to model DC Beltway.
 - Neil Lyn (FDOT D6) – Need to analyze variable tolling within FSUTMS

Freight Modeling Committee

- Discussion and Action items
 - Development of adhoc committee for freight modeling
 - Larry Foutz (Miami-Dade MPO), Danny Lamb (FDOT D7), and Denise Bunnewith (North Florida TPO) will be part of this committee. Please reach out to Terry Corkery and/or Diana Fields if interested. Prevent duplication and have one group working with the committee.
 - Should freight coordinators be on the committee? Leave it up to the committee but would communicate with freight coordinator.

Open Discussion

- Discussion and Action items
 - Please send comments on the resolution to Terry Corkery (Terence.corkery@dot.state.fl.us)



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- Neelam Fatima (St. Lucis TPO) – MTF provide forum to provide input and discussion. An opportunity for MPOs to talk about work being done. Encourage voting members to provide input.
- Thomas Hill (FDOT D2) – Resolutions took people unaware. So if possible send out the issues to be resolved ahead of the MTF.
- Dennis Hooker (Metroplan Orlando) – FDOT CO to develop standard format for presentation and work with the public involvement people.
- Scot Leftwich (Leftwich Consulting) – NHTS data issues. Runtime concerns me so there might be a need to look at alternate modeling formats. Comparisons between ABM and trip based models.
- Mike Escalante (Gainesville MPO) – Need to define freight. What are we actually picking up. At the statewide level looking at the commodities and at the MPO level it helps account for the trucks into the local (MPO) area. Need to accommodate freight movements. Will the freight model pick up diverse movements. Need to evolve it to do so.
- Dennis Hooker (Metroplan Orlando) – Need to identify freight impacts. Step outside 4 step process and work with freight coordinators.
- Larry Foutz (Miami-Dade MPO) – Suggest freight improvements to the freight committee.
- Jeannette Berk (API) – Useful to have discussed the transit model changes with the transit committee and then bring them to the entire task force.
- Danny Lamb (FDOT D7) – Thanks to Juan Flores and Bob Romig for taking time.
- Vidya Mysore (FDOT CO) – In future need to work on how to ensure more discussions than presentations. Feedback is that more practical than TRB.

Meeting Adjourned at 12:00 Noon