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FMTF Freight Committee Meeting Minutes

**Date: Wednesday, January 24, 2018**

**Time: 10:00 A.M. – 11:00 A.M. EST**

**Where: Web Conference**

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| **Attendee** | **Agency** |
| Ricky Fitzgerald | FDOT Central Office |
| Thomas Hill | FDOT Central Office |
| Jerry Scott | FDOT Central Office |
| Frank Tabatabaee | FDOT Central Office |
| Christopher Simpron | FDOT District 1 |
| Min-Tang Li | FDOT District 4 |
| Jeremy Upchurch | FDOT District 4 |
| Neil Lyn | FDOT District 6 |
| Brian Hunter | FDOT District 7 |
| Andrew Tyrell | FDOT District 7 |
| Bob Crawley | Heartland TPO |
| Denise Bunnewith | North Florida TPO |
| Xia Jin | Florida International University |
| Rodrigo Mesa-Arango | Florida Institute of Technology |
| Naveen Eluru | University of Florida |
| Seckin Ozkul | University of South Florida |
| Mike Doherty | AECOM |
| SungRyong Han | BCC Engineering |
| Heather Lupton | Cambridge Systematics |
| Sheldon Harrison | Cambridge Systematics |
| Krishnan Viswanathan | Cambridge Systematics |
| Jeanette Berk | Gannett Fleming |
| Makarand Gawade | HDR |
| Li Jin | Kittelson & Associates |
| Jongson Won | PTV Group |
| Zahra Pourabdollahi | RS&H |
| Rob Palmer | RS&H |
| Colin Smith | RSG |
| Rob Schiffer | Stantec |
| Jeremy Graham | Traf-O-Data |
| Dan Macmurphy | Traf-O-Data |
| Leigh Holt |  |
| Shanshan Yang |  |

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## Item 1: Transearch/FAF4 Data Fusion

* Funded through the FDOT Research Office and conducted by Dr. Naveen Eluru at University of Florida and Dr. Pinjari at University of South Florida.
* Project started January 2016 and slated to finish May 2018, Report can be eventually put on the FSUTMS Website
* Used Weigh-in-Motion data in conjunction with the Florida Statewide Model, FAF, and Transearch data to determine the number of empty trucks traveling in the state of Florida.
* Currently working to analyze national and international truck movement based on FAF4 data.
* Would like to be able do a technology transfer once the data received, but will be unable to post it online due to its large size.
	+ Frank will deal with clients requesting the data on a one-on-one basis, but no guarantee that an online transfer will handle the size of the data.
		- Would then request mailing of a USB with 30+ gbs to be loaded and sent back to the requester.

## Item 2: FreightSIM, Economic Impact Analysis tools, and Training

* Funded by FDOT Research Office and conducted by Dr. Peng of University of Florida.
* Project started in October 2016.
* Looking at freight traveling in and out of Florida based on VHT and VMT.
	+ The FreightSIM model currently shows the volume of freight moving in and out of the state by VHT and VMT
	+ For this study, converted to a dollar value by running FreightSIM model with build and no-build conditions.
		- Build scenario includes corridor and port capacity increases, while no-build conditions remain the same.
	+ Purchased the ImPlan model and conjoining data, which is proprietary software
		- Ran the executable model and tweaked it to tailor it to the needs of the state of Florida.
		- Converts vehicle hour savings into dollar values which tells us the impact of the trucking industry on our highway system.
		- Increased port capacity by 30% in build scenario
			* Contributed to vehicle hours saved.
		- Value of travel time was set to $23/hour
			* With this rate, significant annual savings were calculated for the state of Florida and at the county level.
	+ Freight Transportation Economic Impact Kit (FTEIK) is the product of this project.
		- Desktop application used to conduct this analysis
		- Considering making training for this tool part of the annual training program.
		- Will poll for interest in training.
			* Would like to develop a webinar.
			* If webinar is developed, it would be helpful to post the webinar on FSUTMS online, as well as some tutorials.

**Action Item:**

* **Central Office to poll the Freight Committee regarding interest in the inclusion of the FTEIK tool in the annual training program.**

## Item 3: Value of Reliability Freight & Implementation

* Conducted by Dr. Xia Jin with FIU.
* Project Objectives
	+ Conduct a stated preference survey to collect choice behavioral information from the users (shippers, carriers, and forwarders).
	+ Estimate value of reliability (VOR) and value of time (VOT) with special attention on user heterogeneity.
* Survey Design
	+ 11 commodity types.
	+ User types
		- Carrier
		- Shippers with and without transportation
		- 3PL
	+ Shipping distance
		- Less than 50 miles
		- 50 to 300 miles
		- Greater than 300 miles
	+ Shipment duration
		- 0 to 8 hours
		- 8 to 24 hours
		- 1 to 3 or more days
	+ Truck size and trucking types
* Survey Implementation
* Survey Results
	+ Survey period: February to May 2016
	+ User groups
		- Carrier
		- Shippers
		- 3PL/Forwarders
	+ Total participants
		- 159 (1,157 responses)
	+ Mostly road users.
	+ Agriculture and Food Products make up almost 50%.
	+ Mostly longer distances (greater than 300 miles).
	+ Mostly a duration of 8 to 24 hours for Carriers and Shippers without transportation.
	+ Mostly heavy trucks and full trucking load.
	+ Most opined no provision of monetary penalty for late delivery.
* Implementation Recommendation
	+ Benefit-cost analysis (BCA)
		- Limitations of current BCA
			* No consideration of VOR values.
			* Consideration of only driver wages $20.23/hour.
			* Other components of supply-chain costs missing.
	+ The study suggests that VOT and VOR vary substantially among user groups, commodity types, and different shipment characteristics (weight, shipping distance, etc.).
	+ Incorporation
		- Two major potential areas
			* Incorporating VOR in the BCA for the project evaluation.
			* Accommodating the effect of unreliability into freight travel demand models.

## Item 4: FreightSIM Training Sessions & Material

* Need to move forward with FreightSIM and have an active plan that would like to roll out, but a conflict has been presented to the process.
	+ Went through a software selection through ITN, which was challenged.
		- Redid the selection process with an RFP and made the selection of PTV, which was challenged again.
		- Currently awaiting legal resolution before plans can truly be made due to the heavy reliance on software in the training process.
		- Do not want to train to a software product until there is confirmation on the software moving forward.
			* Training on hold until further notice.
		- May be able to conduct the training separate from the software, focusing on the core of FreightSIM and its functions.

## Item 5: Other Items

* Previously, the committee put together a long-term freight plan with Ameera that we should dust off at our next meeting.
	+ Some items can continue on, some items may need to be re-evaluated.
	+ Frank to send out before our next meeting.
	+ Minutes from previous meetings can be accessed on FSUTMSonline.
* Submitting a research proposal in District 6 with the topic of capturing e-commerce-enabled freight activity with Dr. Xia Jin.
	+ If anyone is interested in providing comments, contact Neil or Dr. Jin.
* Next steps
	+ Will plan to have these meetings based on topics and updates to see where we’re at.
	+ Plan to have the next Freight Committee around April or May.

**Action Item:**

* **Frank Tabatabaee to send out the long-term Freight Committee plan that was developed under Ameera Sayeed.**
* **Neil Lyn to send project scope for the District 6 E-Commerce research project.**
	+ **If you have interest in providing feedback on this project, contact Neil Lyn (****neil.lyn@dot.state.fl.us****) and Dr. Xia Jin (****xjin1@fiu.edu****).**