DATE: April 28, 2022

Transit and Multi-Modal Modeling Notes

Introductions – Tewari Edmonson asked for introductions, and he went around the screen as attendees introduced themselves.

Transit and Multimodal Committee Data Needs

- There was discussion on TNC data availability from select airports, particularly with some of the protocols UBER / LIFT etc. Are required to fulfill to gain airport access.
- There was also mention of contacting municipalities that offer free services to micro mobility given that there may be legal requirements for data to be shared upon request.
- Mobility Data Integration Space (MDIS) – Jeanette Burke asked about the ongoing Central Office work. There was a response that Jennifer Fortunas is spearheading this effort and approach.
- Dan McMurphy asked if the FDOT Transit office would be able to provide some of the information on data needs. He further specified that it may be just general information by list etc. but it will be useful to the group.
- Chris Wigglesworth responded with various activities being undertaken around the state in this regard. He mentioned that PSTA (Pinellas Suncoast Transit Authority) may have a wealth of information on such data. Tewari asked if there is any report on this study and plans to share with the group when received.
- Srin Varanasi mentioned that e-scooter companies may have contracts with cities etc. and as part of their agreements, they may be required to share data.

Bicycle and Pedestrian Data Sources Available

- There was then discussion of data for bike and pedestrian activities, particularly counts. The City of Gainesville was suggested as a potential source. Mike Escalante will follow up on this request.
- Surprisingly, it was noted that the increased bike/ped activity seen since the pandemic is proving durable and it was noted that this is a promising trend.
- Pinellas, Duval
- Tewari asked Terry if he has any idea who to contact for additional Bike/Ped counts. Terry responded that he does not know of any offhand. Chris W then chimed in an mentioned Eric Katz as someone who we should follow up with.
- Mike E. mentioned HPMS, RCI that has vehicle traffic counts. He then asked whether non-motorized counts also be added to complete the information?

CAV Data Needs/Availability

- CAV report – Trip generation sensitivity test on CAV etc. Thomas, probably should part of FSUTMS Nextgen

- Tewari mentioned the different concepts of Connected Autonomous Vehicle implementation including the personal vehicle paradigm or fleet CAVs. He mentioned the implications regarding equity, costs etc. There was then discussion of the trip differences between the scenarios.

- Thomas mentioned - SERPM Autonomous Vehicles deadheading study that was done using the SERPM and the kind of scenarios that were tested. Jay Evans then chimed in on the history of the project. Tom Rossi will follow up and get back to the group.

- Tewari then asked who else is doing research in this arena. Professor Xia Jin mentioned work being done on escorting trips. There was also discussion of Transit Avs and the effects on cost of provision of service and the attendant effect on fares etc.

- The discussion then continued regarding how CAVs may affect where people live because the value of time during the commute could potentially change owing to fact that the concentration needs of the driving task would no longer a limiting factor. The question was then asked whether any official research is being done in this issue. Professor Xia asked Thomas whether it was OK to share the preliminary results with the group to which he responded in the affirmative. Regarding timeline, professor Xia expects the shared mobility scenarios she is working on to be done in a few weeks.

- There was a question specifically on the survey or behavioral data used for the CAV study mentioned.

Member Comments

- Ming Tang Lee asked about vehicle registration data and whether it can be shared with other public agencies. Thomas responded that the raw data is unlikely but perhaps a summarization of the data may be feasible.

- Mike E mentioned that we need to be careful with the equity issue. Affordability is one concern and availability of tools to allow access such as updated mobile devices to all markets may be an issue. Some teenagers for example may not possess phones or may not have financial transactional authority to summon Uber etc.

- How frequently to meet? CAVs / Counter presentation mentioned by Thomas etc.

- At least one meeting with data/GIS committee.

- There was a question on the timeframe for the next Model Task Force meeting and the response was that there is not likely to be one before 2023.

Adjourn Meeting

The meeting was adjourned at 3:05pm.