

NYSAMPO Modeling Working Group

3-31-2017

MEETING NOTES

Participating

Catherine Lawson, AVAIL

Erik Krans, AVAIL

Alex Munro, AVAIL

Chris O'Neill, CDTC

Angel Canales, NYSDOT

Jim Davis, NYSDOT

Phone:

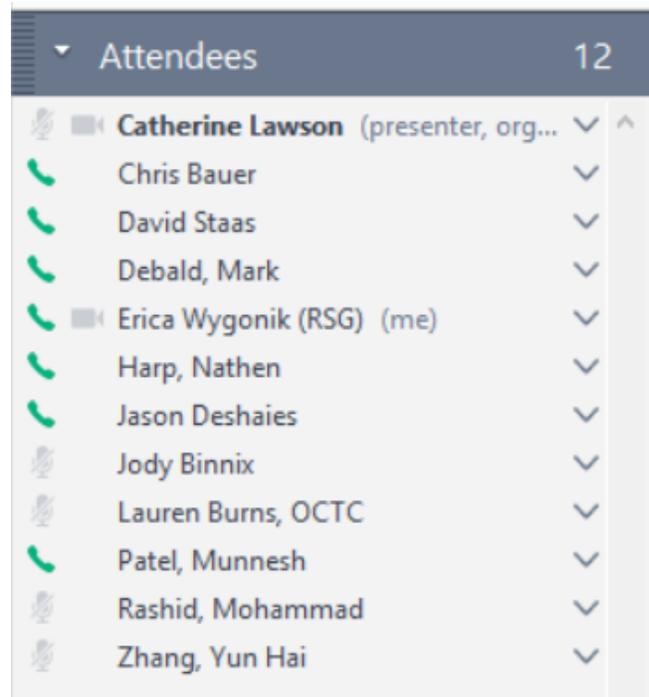
Jason Deshaies, Mike Alexander SMTC

Jody Binnix, GTC

Chris Bauer, CDTC

Mark Debald, PDCTC

David Staas, UCTC



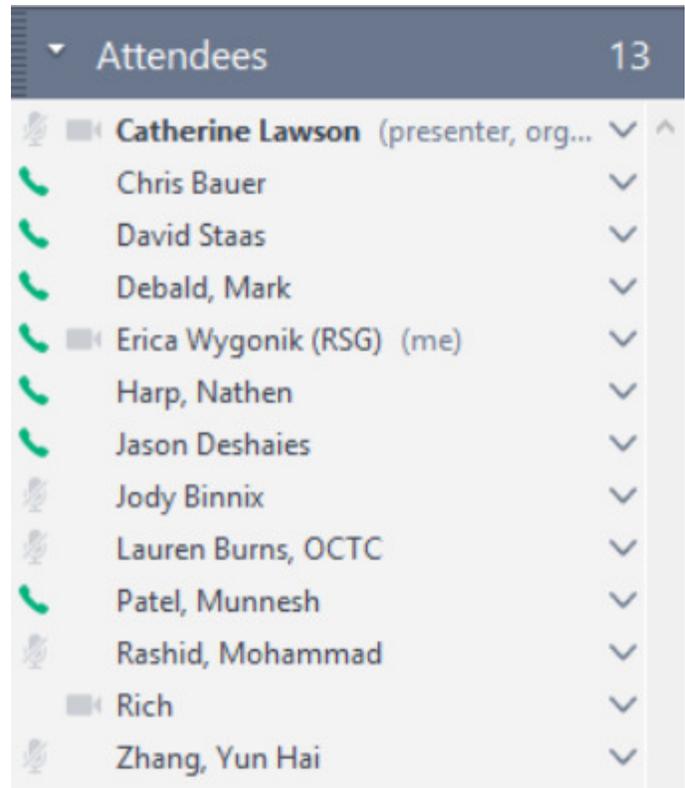
Nathen Harp, NYSDOT

Lauren Burns OCTC

Munnesh Patel, Mohammad Rashid, Yun Hai
Zhang, NYMTYC

Erica Wygonik (RSG)

Richard Batchelder, NYSDOT, joined late



Update on NPMRDS tool

- Outreach to users, survey
- Route creation: pick out overlapping links noted with stars. Manually select correct one.
Working on automating



- Developing graph network, better autogenerated, network analysis.

- Thinking of different ways to organize the routes – folders? By project?
- New tool: route comparison
- New graph, first attempt reliability. Distribution graph. Distribution of travel time or speed for all TMCs in route.
- Bottlenecks. Congestion throughout the year.
- Number of times see a speed in a 5 min period.
- Speed limit tied to LRS, distance weighted so see some odd speeds. Would be nice to add AADTT

User authentication update.

Will send emails to users once log-in switches. Won't lose data. Starting to look at incorporating outside data sets, Transearch. In process to do an update purchase of employer data. NYSDOT had a contractor using this tool, they had been in control of it.

Hours of delay per segment, based on counts. Route comparison. Person hours of delay, costs of hours of delay. Pick your value. Compared to free flow.

Looking at the NHPP and NHFP measures: vehicle occupancy, emissions

Interest in a custom tailored report to drop your data into.

Big things come up when talking to folks, everyone does corridor studies. starting comparisons for corridor studies. Replace floating vehicle stuff. Not sure how reliable in certain cases, but pursuing to see.

Lawson working with CS on national commodity flow. Used term "playbook" use cases. People nationally liked that. Even if not problem they had, That term of a play book, different than a template.

Next month's meeting: revamp bottlenecks page.

Person hours of delay, better than previous measure. We're probably going to include other methods on page to get comparisons of top ten bottlenecks in a region in the state. The other piece. Old bottlenecks piece really slow. Take advantage of a lot of things by switching to the graph network

Future developments:

Freight community can opt in. get stuff into ATRI, then show up. Finding out sparse get complaints from freight can get more support

We currently have 2013, and 2014 HPMS, 2015 out now. Much more populated.

Transearch maps freight flows to highways, but not always clear.

FAF, updated in last couple of years.

User support: You can self-subscribe to posts. Will post to place within the tool instead of these calls (in addition?) Update logs, videos.

Started to think about network analysis tools, underlying difficult technical challenge. Understand relationships among TMCs, create graph objects. Excited about network analysis tools. Will let you do a bunch of interesting things on whole network. Improve route creation, and other features.

Switch webmapping tool, to modern web platform improve performance.

Will add Executive level features.

Batchelder: Can you create a bounding box selection tool in Route Creation that allows us to include all TMC's in an area rather than just allowing single waypoints? Would like network analysis tool to do that.

Batchelder working with Patrick Lentlie on MOVES model. It would add value to interact with MOVES model. Simplify any aspect.

Lawson: We are going to graph network, computational excellence. Open up more areas for tools. Keep thinking about greatest wish list. Things could happen that we didn't think could happen

Krans: For example, integration with safety analysis webtool. Some weaknesses in where crashes located in system.

Open Discussion

June 20-21 NYSAMPO conference in Syracuse, have AVAIL team give a presentation.

Interest in having Infogroup do a presentation on employer data.

Joint meeting of Climate Change and Modeling Working Groups at the conference. Propose ideas for topics to discuss. The Freight Working Group will meeting on Monday at the conference as well.