

**Annual Meeting Minutes**  
Statewide Travel Demand Forecasting AEP50(3)  
Subcommittee of AEP50  
Wednesday, 12:00 PM EST – 1:30 PM EST, 1/6/2021

**61 participants – see names in the screenshots at the end of this document**  
**Chat history is also attached to the end.**

**12:00 Welcome/Introductions/Zoom Notes**

- Rob Bostrom made opening remarks and general introduction.
- *Scope of subcommittee* – developed by Michelle Bina, Greg Giaimo, Rob Schiffer, Vince Bernardin and Rob Bostrom *The committee is concerned with statewide travel demand models and other travel demand models that cover geographic areas larger than a metropolitan area, such as megaregions, multi-state, nationwide, and provincial models. This committee is focused on the practical integration of urban travel, rural travel, long-distance travel, and freight modeling necessary for models of large geographic scale and the challenges associated with data at this scale.*
  - Peter Davidson (England) – noted national/border crossing models ; Rob offered for Peter to share his models with the committee; Peter noted that this virtual platform has been good for him to be able to attend
- Jennifer introduces the background of this committee, committee reorganization, and future conferences
- David Ory made brief announcement of upcoming committee meeting

**12:10 Approve Last Year's Minutes**

Moved and seconded

**12:15 Existing Committee Activities**

- *2020 Activities*
  - Last year's paper reviews and call for papers
    - John Abraham volunteered. Scott Thomson noted the he was tagged to help with it in 2020 but didn't get correspondence from TRB; David O said there wasn't a call for papers in 2020 but will/can be in the future. David would like help to distribute the paper and for different ways to ; Greg G asked about the new process; parent committee given 3-5 sessions based on paper volume (David interested in a passionate/focused session; not bundle of papers); Do a call for papers on Statewide modeling but focus it/deep dive. From Vijayaraghavan Sivaraman, TTI to Everyone: 11:20 AM: I can help
  - Wiki status – Michelle Bina Presented 1<sup>st</sup> in the agenda due to her needing to jump off.
    - migrated platform to Get Hub
    - SW modeling pages that could use help on content (Freight and Commercial Vehicle)
    - TF Resource meeting this Friday afternoon
    - Rob echoed the need for additional writers and asked folks to go to website and review and support the content.
    - <https://tfresource.org/>
    - [https://tfresource.org/topics/Statewide\\_models.html](https://tfresource.org/topics/Statewide_models.html)
  - Andrew Rohne volunteered to update the website
  - Research subcommittee – Greg Giaimo, Vince Bernardin, Jeremy Raw
- *2021 Annual Meeting related activities*
  - TRB liaison – Jennifer Weeks
  - Planning and Forecasting events – 69.
- *Research Results* (anything current, highlighted are from last year) – Jeremy Raw – not much to report due to Covid restrictions, see Peer Exchange discussion later in program.

- *Linkages with other TRB committees* – liaison confirm interest and/or report on committee activities
  - Travel Forecasting Resource [http://tfresource.org/Statewide\\_Models](http://tfresource.org/Statewide_Models) AEP50(4)- Michelle Bina
  - Planning Applications Conference (AEP15) – Greg Giaimo Online – may be less bandwidth, less sessions  
Julie Dunbar and Hanna are co-chairs – meeting is tomorrow  
SW Modeling was not a bullet point on the call for abstracts conference
  - Transportation Planning for Small and Medium Sized Communities (ADA30) – Rob Schiffer doesn't exist, merged with AEP 15 and with Planning Policy Committee; next conference in 2022 in Boise in Aug/Sept; 2020 conference cancelled
  - Parent Committee - Transportation Demand Forecasting (AEP50) – Rob Bostrom  
Meeting next week, nothing to report at this time
  - Rebekah Anderson – VIAS new survey -vehicle use and travel survey next year
  - Vince Bernardin
    - FAF5 commodity flow data is expected to be released in a few weeks.
    - FAF5 flows and routing resources are expected to be completed this summer.
  - Mark Bradley
    - We are doing project NCHRP 08-132: Accessing America's Great Outdoors: Forecasting Recreational Travel Demand, to fill a "gap" in statewide models for predicting demand to national parks, state parks, mountain recreation areas, etc. Keith Killough of Arizona DOT is panel chair. We have done interviews with several DOT modeling staff to ask about data and model needs, and would be happy to talk with folks from other DOTs. ([mark.bradley@rsginc.com](mailto:mark.bradley@rsginc.com))
  - Krishnan Viswanathan
    - <https://ops.fhwa.dot.gov/publications/fhwahop20011/index.htm>
    - Methods to Update Freight Analysis Framework Out-of-Scope Commodity Flow Data and Truck Payload Factors
- *Technical Presentations*
  - Iowa Statewide Model update – Rob Schiffer  
Rob S will follow up with Scott Thomson on the model run time; Rob S noted that it runs overnight.  
Scott: it takes roughly 4 hours to run the base year 2018 Iowa Statewide Model but future year and final GUI might result in different run times. –Rob S
  - Colorado Statewide Model – Scott Ramming  
From Leonard Seitz to Everyone: 11:56 AM  
Being in the California DOT where we are rich with MPOs I think we need inter-regional, rural and freight models rather than duplicative statewide models. Anybody agree?  
From Scott Ramming - CDOT DTD IMB to Everyone: 12:01 PM  
The MPO forecast versus state-wide forecast issue was one that's been a historical discussion at CDOT. For projects entirely within an MPO area (we have 5 MPO who form 5 of 15 "transportation planning regions" in the state), we'll defer to their forecasts. Occasionally we'll use the state-wide model if the MPO doesn't have the capability to make the forecasts within the project schedule. We try to concentrate the state-wide model applications for inter-MPO and non-MPO forecasts.
  - Ohio Statewide Model – Rebekah Anderson  
1998 – visioning; 2001 surveys; 2005 working SWM – 2.5 days to run  
From Scott Ramming - CDOT DTD IMB to Everyone: 12:10 PM  
The 2.5 day running time is with how many zones?  
Rebekah noted 1500 zones

## 1:15 Research Focus Areas Status

- *Virtual Peer Exchange for Statewide Models* – Greg Giaimo lead discussion




- Purpose to Develop Research Topics
  - See results of 2004 Peer Exchange at: <http://onlinepubs.trb.org/onlinepubs/circulars/ec075.pdf>
  - Jeremy recommended an online approach; Scott suggested a hybrid approach.
  - Peer Exchange group of Greg, Rob S., Rob B., Jeremy and Vince will meet soon to keep this moving.
  - Other comments: Greg Giaimo reported proposing a peer exchange focused on “the needs of SWM in terms of federal planning/data” – faf, long distance data, national passenger model, NPMRDS travel time data; They wrote this up prior to covid and now need to decide next steps
    - Soon, Virtual
    - Drop it
    - Later, face to face
- Funding: Jeremy R – tried to recruit funding from FHWA – funding has been tight – who/how many people to invite – tack onto a conference – virtual option allows for more people to participate
- Rob asked for additional volunteers – Rob Schiffer and Vince Bernardin volunteered
- From Scott Ramming - CDOT DTD IMB to Everyone: 12:20 PM
- Is it an option to do a later hybrid face-to-face plus virtual peer exchange?


### **1:25 Upcoming Years Activities**





- *Sessions for 2022 meeting:* presentation session, poster session, workshop, and/or call for papers?
- *Other Research Ideas:*
  - John Abraham: Planning for uncertainty; not for the know road condition
  - Jonathan Avner: MPO data in context of SWM, nesting information at Network and Demographic level
  - Brenda Bustillo: New data sources, how can we use, project; impacts of current surveys being postponed; what are proxies for normal conditions
- *PAC conference* – June 21-25, 2021, virtual event.
- *Paper Reviews* – need volunteer to do paper call and paper review coordination. (see earlier in program)

### **1:30 Adjourn**

Find a participant

- BZ** Boyang Zhang (Me)
- JL** Jennifer L. Weeks (Host)
- P** Peng,Xiao
- RB** Rob Bostrom (Co-host)
- B** Bill.Allen (Co-host)
- LA** Liza Amar (Co-host)
- MK** Mary Kissi, TRB Staff (Co-host)
- RS** Rebekah Straub Anderson, Ohio ... (Co-host)
-  Rob Schiffer (Co-host)
- SR** Scott Ramming - CDOT DTD IMB (Co-host)
- DO** David Ory
- GG** Greg Giaimo
- AD** Alan Dybing
- AR** Andrew Rohne
- AV** Arnd Vogel
- A** Asad
- BC** Blake Crosby
- BB** Brenda Bustillos (TxDOT)
-  Chris McPhilamy
-  Gabe Jiangbo Yu

- GS** Gargi Singh
- HN** Hyunsoo Noh
- J-** Jana - Natarajan Janarthanan
- JR** Jeremy Raw (FHWA)
- JV** Jiji Varghese
- JX** Jinghua Xu
- JA** John Abraham
- JG** John Gliebe
- JA** Jonathan Avner
- KK** Keith Killough
- KH** Khademul Haque
- KV** Krishnan Viswanathan
- LS** Leonard Seitz
- LL** Like Liu
-  Maren Outwater
- MM** Martin Milkovits
- MH** Michael Heilig
- MB** Michelle Bina (Cambridge Systematics)
- MC** Mike Chaney
- ML** Mike Lally

-  Montasir Abbas
- NB** Nino Brunello
- PH** Paul Hershkowitz ICF
-  Paul McMillan
- PD** Peter Davidson
- PH** Po-Chun Huang
- RW** Rachel Wiken
- R** Rich
- SM** Sabya Mishra
- ST** Scott Thomson
- S** Shangyou Zeng
- S** Stephen.Tuttle
- SF** Sunny Farmahan (ARDOT)
- SM** Susy Morato-Granato
- VA** Veronica Allen
- VS** Vijayaraghavan Sivaraman, TTI
-  Vince Bernardin
- Y** Yuanjun
- ZZ** Zhong Zhou
-  16092910314
- IL** Ira Levinton NJDOT

## Chat History

- 11:59:10 From Thomas Hill, FDOT : Krishnan was having difficulty signing on. I'll forward the link to him again.
- 11:59:53 From Scott Ramming - CDOT DTD IMB : Erik Sabina is also trying to register and log in
- 12:03:23 From Boyang Zhang : Welcome everyone! Please make sure your name is shown as full name on the participant list.
- 12:05:53 From Ira Levinton : Ira Levinton NJDOT
- 12:08:20 From Paul Hershkowitz : Paul Hershkowitz, ICF, friend
- 12:12:13 From V-Sivaraman : V-Sivaraman : Vijayaraghavan Sivaraman , TTI
- 12:12:31 From Boyang Zhang : During the meeting, please use the "Raise Hand" function on the participant list to let the presenter know that you have a question/comment.
- 12:16:16 From Michelle Bina (Cambridge Systematics) : <https://tfresource.org/>
- 12:16:40 From Michelle Bina (Cambridge Systematics) : [https://tfresource.org/topics/Statewide\\_models.html](https://tfresource.org/topics/Statewide_models.html)
- 12:20:48 From Vijayaraghavan Sivaraman, TTI : I can help
- 12:33:30 From Ira Levinton NJDOT : Is the meeting going to include discussion and information about the statewide models and process?
- 12:34:47 From Rebekah Straub Anderson, Ohio DOT : At this meeting, there are 3 short technical presentations about Iowa, Colorado and Ohio.
- 12:35:37 From Ira Levinton NJDOT : Thanks questioned was answered by mentioning presentations to come
- 12:39:41 From Vince Bernardin : FAF5 commodity flow data is expected to be released in a few weeks. FAF5 flows and routing resources are expected to be completed this summer.
- 12:40:24 From Mark Bradley : Mark Bradley, RSG..... We are doing project NCHRP 08-132: Accessing America's Great Outdoors: Forecasting Recreational Travel Demand, to fill a "gap" in statewide models for predicting demand to national parks, state parks, mountain recreation areas, etc. Keith Killough of Arizona DOT is panel chair. We have done interviews with several DOT modeling staff to ask about data and model needs, and would be happy to talk with folks from other DOTs. (mark.bradley@rsginc.com)
- 12:40:32 From Krishnan Viswanathan : <https://ops.fhwa.dot.gov/publications/fhwahop20011/index.htm>

## Methods to Update Freight Analysis Framework Out-of-Scope Commodity Flow Data and Truck Payload Factors

- 12:42:10 From Rob Bostrom : Vince - do you have a copy of the committee purpose that you can share? I wanted to mention to everyone that we are covering more than just SWMs
- 12:46:08 From Scott Thomson : I'm always interested in how long models require to run. What is the run time for the Iowa SWM?
- 12:47:14 From Scott Thomson : thanks!
- 12:56:29 From Leonard Seitz : Being in the California DOT where we are rich with MPOs I think we need inter-regional, rural and freight models rather than duplicative statewide models. Anybody agree?
- 13:01:30 From Scott Ramming - CDOT DTD IMB : The MPO forecast versus state-wide forecast issue was one that's been a historical discussion at CDOT. For projects entirely within an MPO area (we have 5 MPO who form 5 of 15 "transportation planning regions" in the state), we'll defer to their forecasts. Occasionally we'll use the state-wide model if the MPO doesn't have the capability to make the forecasts within the project schedule. We try to concentrate the state-wide model applications for inter-MPO and non-MPO forecasts.
- 13:02:45 From Leonard Seitz : Thanks Scott.
- 13:04:08 From Rob Schiffer : Scott: it takes roughly 4 hours to run the base year 2018 Iowa Statewide Model but future year and final GUI might result in different run times. -Rob S
- 13:10:03 From Scott Ramming - CDOT DTD IMB : The 2.5 day running time is with how many zones?
- 13:12:54 From Leonard Seitz : California and good.

13:20:19 From Scott Ramming - CDOT DTD IMB : Is it an option to do a later hybrid face-to-face plus virtual peer exchange?

13:23:37 From Vince Bernardin : I like Scott's suggestion (but then again, I always like hybrids ;)

13:23:48 From Brenda Bustillos (TxDOT) : Other modeling challenges we are facing, including projecting and cali/vali of models when travel data is not available. 2020 was a year to be used by many for benchmarking. surveys are being postponed as who knows when travel will get back to normal.

13:25:39 From Scott Thomson : Regarding the Statewide model and MPO models, We in Kentucky use the Statewide to feed the fringes of the MPOs (EE,IE, & EI trips) as well as being the tool for most of Kentucky. Less than 10% of the counties in Kentucky fall within the Planning area of MPOs.

13:27:07 From Brenda Bustillos (TxDOT) : Hybrid format is always a good idea as we all don't have the budge to travel. And budgets will be VERY limited in the years to come.

13:30:12 From John Abraham : @jonathon lets include the parcel cadastre land use data in the MPO vs Statewide data harmony.

13:31:07 From Jonathan Avner : @John - I agree with your suggestion and look forward to the further discussion.