NATIONAL RESEARCH COUNCIL
Transportation Research Board
500 Fifth St. NW
Washington, D.C. 20001

MINUTES OF COMMITTEE MEETING
TRB Committee AED20
Urban Transportation Data and Information Systems Committee

Tuesday January 11, 2022 1:30 PM to 3:00 PM
Marriott Marquis Hotel - Independence Salon ABC (M4)

Committee Chair: Mike Fontaine
Minutes Prepared By: Pat Coleman

□ **Welcome and Chair's Report**   *(Fontaine and others)*

- Mike welcomes group
- Committee members present introduced themselves
- New attendees were recognized
- This meeting in person only with a more in-depth virtual meeting to follow at a later time
- The original agenda available via QR code
- Mike presented overview of Committee activities including scope, leadership, and activities
    o How to get involved: QR code to web page; get on mailing list; volunteering
    o Committee composition: diversity, gender, race, employer type, geography
    o Committee members go into MyTRB and update demographic info
    o Succession planning for 2023 rotation; TSP and paper review handoffs
- All three subcommittees had/will have virtual meetings
- Jim Huddell summarized Workshop 1023
    o 50 people attended with animated discussion
    o Share achievements, get conversations started. Ohio DOT very involved workforce development
    o Key themes included budget limitations, on job training/time to learn on job, policies restrict some questions, research and resources needed, and documentation what types of training, etc.
    o Mike indicated research priorities could be discussed in virtual meeting

- JD Allen motioned to approve Mid-Year Meeting minutes; Anil seconded and there was verbal approval from Committee Members

□ **Subcommittee and Working Group Updates**   *(Various)*

- AED20(1) Subcommittee on Census Data (Mike for Clara Reschovsky and Kathy Yu)
    o 200+ attendees virtual
    o 2020 census discloser avoidance system (Michael Hawes)
    o Urban Area Criteria for 2020 Census (Jennifer Zanoni)

- AED20(2) Big Urban Data Subcommittee (Mike for Vince Bernardin and Zak Patterson)
    o 19 papers submitted to AED20(2): 11 for Presentation and Publication and 8 for Presentation
    o Unlike last year only a handful dedicated to COVID impacts
    o 2 accepted for Presentation and Publication and 9 for Presentation
    o Papers presented in Poster Session 1414 Big Urban Data Applications
    o NCHRP problem statement privacy vs. data loss

- AED20(3) Travel Time, Speed and Reliability Joint Subcommittee (with ACP70) (Mei Chen and Sam Granato)
    o Considerably fewer papers this year with more reviewers
    o 50-55 papers some years down a little bit up to 8
    o Subcommittee virtual meeting will be 2/2 – select best paper/award certificate
    o Two Research Needs Statements (RNS) funded recently with project oversight meetings just getting started
    o A third RNS "Communicating Travel Time Reliability: Analytics and Visualization Methods" is up for funding review
    o Mei discussed subcommittee website updates. On the site (https://sites.google.com/view/trbttsr/home) you click friend or member to join the mailing list
    o Have volunteer opportunities – paper review coordinator, looking for State DOT RNS and NCHRP process experience

- Smart Cities Working Group (Charlotte Frei with Rub Kluger)
    o Webinar held October 28:   MPOs and DOTs https://www.trb.org/Calendar/Blurbs/182518.aspx
    o Identify key lessons for Smart Cities
    o Start small
    o Most too early to full assess value and Return On Investment (ROI)
    o Research needs include measuring ROI and understanding data sharing

- Big Data Privacy Working Group (Mike for Zak Patterson)
    o NCHRP problem statement submitted on "Assessing Big data Privacy and Utility Trade-offs for Transportation Agencies"
    o Zak and Vince Bernardin led a small group that included Virginia, Iowa, Michigan, and Kentucky DOTs
    o Theoretical yet practical RNS submitted to NCHRP with State DOT/CIO support

❑ **Committee Priorities**   *(Various)*

- TSP Finalization (Jim Hubbell)
  - Recognize Jim, Jinghua, Karen, and Leta
  - Timeline included monthly meetings March through July and developing draft in August to send to Section ahead of 9/1 deadline
  - Highlights included
    - Name scope
    - Activities
    - Subcommittee names roles and mission
    - Future outlook statement/3-year plan with timeline and emerging critical issues
    - Matrix comparison of Committee versus TRB critical issues (including diversity and equity
    - Performance measures section – impacts, exchange/education, diversity
    - Diversion equity inclusion (DEI) working group
    - Long term plan – issues and tasks beyond 3 years
  - JD Allen acknowledged good work and a good document
  - Jim agreed and acknowledge committee member participation and that the Section liked it so much it became template for other Committees
  - Mike asked how to adopt. Ed Christopher suggested a Google poll and there will be one ahead of the virtual committee meeting
  - Mike wants the TSP to be living document; volunteer and learn what's going in on Committee

- Workshop Recap: Equity Considerations with Big Data in an Urban and Regional Context (Vijay Sivaraman)
  - Worked with AED10 with statewide in morning and urban in afternoon
  - Found biases in shared ride data
  - Elderly well represented
  - Research needs included more collaboration to represent populations in data
  - Recommended cloud-based storage and processing

- Research Council Updates (Mike Fontaine for Camille Kamga)
  - Submitted Zak and Vince's RNS
  - There are new calls for big data, before/after studies, and smart cities
  - Krishnan asked about his data fusion problem statement with Stacey
  - Stacey indicated NCHRP has funds for implementation recommendations
  - Jim suggested this part of the Committee Action Plan (CAP)

❑ **Committee Priorities** *(Various)*

- Annual Paper Review Process (Mike)

- o Papers submissions down this year: 27 down from 63
- o 48% were for presentation 13% for presentation and publication
- Communications Coordinator Update – JD Allen indicated website updated
- Directory Update – Mike (for Karen Faussett) please check your writeup

https://docs.google.com/document/d/1sbr3f6FMQ34_ddmsSgB1BCXNw0QtS9ix ZIqgDV6of_U/edit

❑ **General Reports** *(Various)*

- TRB Report (Stacey Bricka for Tom Palmerlee)
    - o Tom out with an ankle injury
    - o 101st Annual papers reviews contributes to building program and TRR impact
    - o Demographic categories changing to match Census – please do MyTRB update
    - o TRB next year is January 8-12, 2023 hopefully in person; theme in process hopefully February-ish
    - o Attendance this year:
        - ▪ 9200 registered
        - ▪ 5500 using Clear app (US only) so somewhere between 4000-6000
    - o Last year had 20,000 virtual meeting which presented a strong argument for off annual meeting activities

- Section Chair Report (Stacey)
    - o Congratulations to Stacey!
    - o Overview of four Data Section initiatives
    - o TSP's should meet quarterly to develop template to scale up what you focus will be represent committee know what urban data and other committees are doing
    - o TSP due 3/1 - think about relevancy and emerging issues; make a living document
    - o Move away from being annual meeting centric - think about other meeting opportunities
    - o Focus on succession planning and mentoring – find 1-2 people to work with
    - o TRB wants to raise visibility of subcommittees - talk about emerging issues
    - o Rebecca Straub/Anderson (Ohio DOT) coming in to head research section

- FHWA Report (Danny Jenkins)
    - o 2022 NHTS launching next week – surveys being collected
    - o O-D contract with UMCP 2020 passenger and truck flows – next couple of months

- RITA/BTS Report – Mike gave overview of Clara's highlights including BTS openings

- AASHTO Report (Mike/Jim for Penelope Weinberger)
  - Save date – CTPP conference Reno; Krishan had handouts
  - Website commuting in America and training
  - Greg Slater leaving Committee on Data Management and Analytics needs new chair