

ABJ30 Urban Transportation Data & Information Systems Committee
Marriott Marquis, Liberty L (M4)

Tuesday January 14, 2020 / 8:00 am to 12:00 pm

I. Welcome and Introductions (*name, affiliation, urban data interest*)

II. Chair's Report – Stacey Bricka

INCLUDE STATE OF THE COMMITTEE PRESENTATION

- Update provided by Stacey
- Reviewed committee and sub-committee membership/leadership
- 600+ friends
- ABJ30 will continue as urban data committee under the data section, as part of TRB strategic realignment of committees.
- Committee website: www.trburbandata.org
- If interested in being a friend of the committee, please sign up on the listserv.

- 36 members – 2 international, 4 young members
- Currently maxed on DOT membership.
- 10 members will rotate off the committee in 2020
- New incoming chair (Mike Fontaine)
- TSP update scheduled for 2020

- In 2020, committee needs to work on a cross-cutting data fusion circular.
 - Circular will be vetted either via TDUF or a workshop.
 - If interested in working on the circular, contact Stacey/Mike

III. Committee Updates

- a. ABJ30(1) Subcommittee on Census Data + Census Conference Update – Clara Reschovsky and Kathy Yu
- Update provided by Clara
 - Subcommittee hosted a poster session at TRB on Monday, Jan 13th. A total of 12 posters presented.
 - Subcommittee meeting was held on Jan 13th. The following presentations was provided during the meeting.
 - Vehicle Availability Patterns and Trends including Commuting Trends for Zero-Vehicle Households - Evelyn Blumenberg and Julene Paul, UCLA
 - The Changing Nature of Work – Nancy McGuckin, Independent Consultant
 - Using Available Data Sources on Work-at-Home Characteristics to Forecast Potential Effects of Telecommuting Incentives - Kevin Tierney, Independent Consultant (also presented at the poster session)
 - Subcommittee also received updates on the CTPP from AASHTO and issues facing the Census Bureau for protecting privacy of respondents
- b. ABJ30(2) Big Urban Data Subcommittee – Vince Bernardin
- Update provided by Vince.
 - Subcommittee to host a poster session on Wednesday, January 15th on emerging issues in big data
 - Subcommittee activities:
 - Subcommittee meeting held on Monday, Jan 13th. Approx. 49 people attended
 - Reviewed 50 paper submissions and accepted 25 to create a poster session.

- Coordinated on the Travel Data User's Forum focused on Mobility Data Specification (MDS) [see below]
 - Conducted a survey of members and friends to better understand interest and priorities
 - Received 37 responses (a good mix of academicians and practitioners from public agencies)
 - Responses indicated some difference in use and interest in types of big data in responses from academicians vs. practitioners.
 - Survey also looked at research priorities for the subcommittee and there was more consistency in responses between public agencies and academia:
 - Representativeness of Big Data was the top priority of public sector (second overall)
 - Use of Big Data to Understand Emerging Trends in Mobility was second (first overall)
 - Privacy Protection was third for public sector and overall
 - Data Fusion was fourth for public sector and overall
 - New activities:
 - Two calls for paper.
 - Minimizing data loss while protecting privacy
 - Representativeness of big data
 - Proposing a synthesis topic focusing on GPS and LBS data
 - Coordinating with other TRB forums on sessions, workshops
 - Travel data User's Forum (Jim):
Podium session on Wednesday morning focused on the theme of mobility data sharing, privacy and sustainability
- c. ABJ30(3) – Travel Time, Speed and Reliability Subcommittee – Mei Chen and Sam Granato
- Update provided by Sam
 - Subcommittee activities:
 - Some changes seen in subcommittee leadership
 - Review of paper submissions.
 - Received around 40 papers. Not as high as prior years but remains a focus for the subcommittee.
 - Subcommittee to hold a poster session at TRB on Wednesday 2:30 – 4:00 PM. Includes finalists from the student data competition.
 - Awarded best paper for last year TRB submissions.
 - Working on a 3rd RNS.
 - Working on ideas for Sunday workshops for the next TRB.
 - Stacey noted that workshop ideas need to be ready by June and that workshop proposals needs to show collaboration/coordination with other subcommittees.
- d. ABJ35(3) Bike and Pedestrian Data Subcommittee –Sarah O'Brien
No updates
- e. ADD50(1) Health and Transportation Subcommittee – Ed Christopher
- Update provided by Ted
 - Subcommittee has been officially upgraded to a committee (AME70).

Committee falls under the Transportation and Society Section (AME00) in the Sustainability and Resiliency Group (AM000)

- Subcommittee activities:
 - NCHRP 932: A Research Roadmap for Transportation and Public Health (<https://www.nap.edu/catalog/25644/a-research-roadmap-for-transportation-and-public-health>).
Contains 6 problem statements.
 - Health and Transportation Case Study Clearinghouse.
Soon to be released on the ITE website.
 - Subcommittee hosted the Conference on Health and Active Transportation on Dec 11 -12 in Washington, DC.
 - 140 attendees.
 - Conference co-hosts: CDC, National Cancer Institute, and Volpe.
 - Subcommittee to hold a poster session at TRB on Wednesday morning (01/14)
 - Approx. 20 posters

IV. Presentations

- a. TCRP Report 209 – Analysis of Recent Public Transit Ridership Trends – Kari Watkins (available at <http://www.trb.org/main/blurbs/179912.aspx>)
INCLUDE PRESENTATION
- b. Vision Eval – Daniel Flynn and Jeremy Raw (see <https://visioneval.org>)
INCLUDE PRESENTATION

V. General Reports

- a. FHWA Report – Tianjia Tang, Patrick Zhang, Daniel Jenkins
 - Updated provided by Daniel Jenkins
 - INCLUDE HANDOUT
 - National Household Travel Survey (NHTS):
 - NHTS underway with contract awarded in September.
 - Approx. 7500 households nationwide with flexibility for states to add additional (upto 40,000) households
 - Technical advisory committee meeting on NHTS held in Phoenix, December 2019
 - NextGEN NHTS RFP out. Proposals due later this month.
 - Other projects underway:
 - Pooled fund study to develop AADT from non-traditional sources underway. Contract with Cambridge/TTI to verify/validate the data.
 - Assisting Office of Safety to collect AADT on local roads
 - Developing vehicle occupancy factors for bus, cars etc. specific to states, MPOs.
 - Updating the traffic monitoring guide (ABJ35)
 - Interagency contract with Oak Ridge on the National Bicycle Network
 - Forecasting VMT Model Assessment.
 - NHI has reduced prices for courses (half price), coincides with the NHI anniversary. Take advantage of this offer for any training.
- b. RITA/BTS Report – Patricia Hu, Clara Reschovsky, Rolf Schmitt
 - INCLUDE HANDOUT
 - Update provided by Clara
 - BTS is looking to move more materials/products online.

- BTS is looking to improve transportation financial statistics relating to things such as Public private partnerships, revenues.
If interested, please participate by contacting Stephanie Lawrence at Stephanie.lawrence@dot.gov
 - Vehicle Inventory and Use Survey (VIUS) is returning.
 - The last VIUS was in 2002 and the new VIUS will continue data collection of truck data including VMT, features of the vehicles, and usage of the vehicle.
 - Collects information on non-cars (e.g. VMT) which is important to model. Includes commercial vehicle information
 - 2021 data will be collected in 2022 and released in 2023.
 - Visit www.bts.gov/vius for more information
 - TRB's Commodity Flow Survey workshop will be held in April 2,3 in Washington DC. For more information check out <http://www.trb.org/calendar>
- c. AASHTO Report – Penelope Weinberger
No updates
- d. TRB Report – Tom Palmerlee
- Update provided by Tom
 - Strategic realignment of TRB committees wrapped up.
 - Suggestion from TRB is to continue/keep up partnerships with subcommittees even if they are not under data section.
 - ABJ30 TSP update
 - 2021 TSP is due to be distributed to committee members in December.
 - Data section is planning on standardizing the TSP template which will be shared as ABJ30 TSP is being updated. The purpose is to help facilitate the coordination and collaboration across committees.
 - TRB suggestion is for the ABJ30 committee to focus the TSP update on what the committee wants to accomplish.
 - Data section is currently working on action plans.
 - Other:
 - Workshop slots per committee for the annual meeting are changing slightly. There were lesser slots compared to number of workshop proposals. Suggest coordinating with other committee as in prior years to develop and advance workshop proposal ideas.
- e. Section Chair Report – Coco Brisinio
- Theme for next year's TRB: *Launching a new century of mobility and quality of life*
 - TRB Strategic Realignment: Technical activities council has been reviewing committee structure over the last year and has announced strategic realignment. Changes relevant to ABJ30:
 - Data section changing to Data and Data Science; To be housed under planning and analysis group
 - Statewide data and National data committees are merging.
 - Highways traffic and Travel surveys are moving out of the data section.
 - No change to ABJ30 committee except for a change in the assigned committee number.
 - Focus area for the data section is to foster cross collaboration within and outside the section and developing processes to ensure this outcome

- Note to ABJ30 committee: ensure that the focus area is incorporated as part of the committee's TSP update.
- ABJ30 committee liaison on the TSP should ensure collaboration within and across committees.
- Useful resource to help with collaboration:
www.trb.org/newcommitteestructure

VI. Committee Activities

a. Annual Paper Review Process –Clotilde Minster/Marco Diana

INCLUDE PRESENTATION

- Update provided by Clotilde
- 2020 TRB paper review:
 - 29 papers received
 - 13 accepted for presentation
 - 5 out of 20 moved to TRR editorial board.
- Activities conducted as part of the paper review process:
 - Worked on better reviewer coordination between committee and subcommittees, based on prior feedback and to ensure reviewers are not over assigned.
 - Switched to a different pairing system to ensure better assignment of papers.
- Request for reviewers:
 - Looking for any feedback from reviewers/authors on the process. Keep in mind that the comments for review coordinator and author and consistency between feedback provided to the review coordinator vs. author is important to the review process.
 - Update email address
 - Fill out the survey sent out in June so that reviewers can be better matched with interest.

b. Research Council Update – Camille Kamga

- Update provided by Camille
- CRC Role is to coordinate with subcommittees and other committees.
- TRB CRC meeting held on Jan 13th (7 AM). Discussed CRC activities and brainstormed on ways to entice more collaborations between committees.
- Call of papers related to Data and Information Technology
 - Estimation of Urban Route Travel Time Distribution Using Markov Chains and Vine Copula
 - Improving Our Knowledge of Methods, Data, Tools, and Models to Enhance Public Health Through Transportation
 - Advances in Pedestrian and Bicyclist Data
 - Impact of Housing and Land-Use Policy on Real Estate Prices and Labor Costs: The Transport Linkages
- CRC Action item for 2020:
Refresh the RNS entries in the database and update existing or add new RNS on the database. ABJ30 RNS currently shown on the website:
 - An Enhanced Urban/Rural Classification System for U.S. Census Geographies
 - Data Integration for Small Geography Origin-Destination Trip Tables
 - Use of Multiple Forms of GPS Data for Understanding Travel Behavior
 - Improving Travel Behavior Data for Environmental Vehicle Analyses
- RNS Submitted and still not displayed on the site:

- Impact of Spatial Segmentation on Travel Time Reliability Performance Measures
 - Best Practices for Data Fusion Between Probe and Point Detector Data
 - Plan is to follow-up with TRB on RNS administration (i.e. publishing, reconnecting to the committee).
- c. Communications Coordinator Update – JD Allen
- Update provided by JD Allen
 - Communication council meeting to be held on Tuesday, Jan 14th.
 - Plan to reach out to subcommittees to ensure that the links are active, and that the website is upto date and working.
 - Committee website to be updated with presentations provided during the annual meeting.
 - Communicate website is intended to be a repository and communication is usually through email listserv.
 - Focused on transition planning.
- d. Directory Update – Karen Faussett
- Update provided by Karen
 - Please update member bio on the link provided by Stacey. Karen to follow-up with members as a reminder.
 - Member directory to be updated in April after rotation.

VI. Committee Priorities and Opportunities

a. TSP/CAP Updates – Jim Hubbell and Jinghua Xu

Overall (Mike):

- Increased emphasis on TSP and section level coordination on the TSP, as part of TRB realignment.
- Ensure that committee scope and mission are aligned with the committee work and activities.

TSP update (Jim):

- Draft to be finalized by the mid-year meeting.
- TSP will be adopted at the 2021 TRB Annual Meeting.
- Working on a communication mechanism to get feedback from members and have a draft ready ahead of the mid-year meeting.

CAP:

- Goal is to have CAP refreshed and upto date
- Jim will work on condensing CAP to key activities, based on feedback received.
- Will follow up with subcommittees on the key action items
- CAP due to TRB by February 28, 2020
- Same format as last year

b. Committee Rotation

- Committee requires 25 core members, total of 36 members
- Need to rotate 10 members off the committee
 - Certain members have reached the max 9-year term: Mecit Cetin, Marco Diana, Jan-Mou Li, Marcelo Simas, Kristin Tuffe
- New members:
 - Have already identified few new members to add to the committee.

- Mike will follow up with subcommittee chairs for recommendations on new members.
 - Priority is for individuals who have volunteered for the committee.
- If interested in becoming a member and/or have been a friend of the committee, please follow-up with Mike.
- If your role has changed due to TRB committee realignment due to which you would like to move off the committee, please let Mike know.

VII. Other Announcements/Updates

Jim Hubbell:

- Looking for volunteers during the open discussion period of the TDUF session 1703
- Looking for volunteers to take notes, feedback during the 1789 workshop for Thursday morning

ABJ30 Activities at TRB 2020

Sunday:

- Workshop 1050 "Travel Behavior and Safety Studies from the Psychological and Neurophysiological Perspective: Application of Virtual Reality" (CC Room 151B) [1:30 pm – 4:30 pm]

Monday:

- **Travel Time, Speed, and Reliability Subcommittee Meeting (M4 Liberty J) [8-945 am]**
- Poster Session 1210 "Census Transportation Planning Products 2012-2016: New Data Analyses and Uses" (CC Hall A – Boards A213-A224) [10:15 am-noon]
- **Census Data Subcommittee Meeting (M4 Liberty K) [1:30-3:15 pm]**
- **Urban Big Data Subcommittee Meeting (M4 Liberty K) [3:45-5:30 pm]**
- **H+T Subcommittee Meeting (M4 Independence B) [3:45-5:30 pm]**

Tuesday:

- **Urban Transportation Data & Information Systems Committee Meeting (M4 Liberty L) [8:00 - Noon]**
- Podium Session 1436 "Mode-specific Traffic Monitoring Solutions with Lessons for All Modes" (CC Room 151B) [10:15 am- Noon]
- Poster Session 1552 "Research Exploiting Urban and Regional Transportation Data" (CC Hall A120 – A129) [1:30-3:15pm]
- Podium Session 1582 "Evaluations and Applications of Emerging Crowdsourced Data Sets" (CC Room 152B) [3:45-5:30 pm]

Wednesday:

- Poster Session 1690 "Health, Transportation, and Emerging Research" (CC Hall A – Boards A200-A209; A212-A219) [8-9:45 am]
- **Bike/Ped Data Subcommittee Meeting (M4 Monument) [10:15 am - Noon]**
- Podium Session 1703 "Travel Data User's Forum: Mobility Data Specification: A Collaborative Solution to Sharing Private Mobility Data" (CC Room 152B) [10:15 am - Noon]
- Podium Session 1738 "Multilevel Approaches of Innovation in Cities, Part 1" (CC Room 146A) [2:30-4 pm]
- Poster Session 1757 "Emerging Issues in Urban Big Data" (CC Hall A100 – A112) [2:30-4 pm]
- Poster Session 1758 "Road Scholars: New Research in Travel Time, Speed and Reliability Data" (CC Hall A113 – A131) [2:30-4 pm]
- Poster Session 1759 "Road (Data) Warriors: Student Data Challenge on Urban Travel Time, Speed and Reliability" (CC Hall A132 – A133) [2:30-4 pm]
- Podium Session 1763 "Multilevel Approaches of Innovation in Cities, Part 2" (CC Room 146A) [4:30-6 pm]

Thursday:

- Workshop 1769 "Nudging the Commute: Behavioral Science and Mode Choice" (CC Room 206) [8 am - Noon]
- Workshop 1782 "Making Sense of Emerging Data Sources for Nonmotorized Transportation: Tools, Tips, and Knowledge Gaps for Effective Analysis" (CC Room 207B) [8 am - Noon]