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TRANSPORTATION RESEARCH BOARD

Aviation System Planning Committee (AV020)

2019 Annual Meeting

Monday, January 14, 2019

8:00 A.M.-9:45 P.M.

Marriott Marquis Hotel

Archives (M4)

MEETING MINUTES

Welcome and Introductions

Jeff Borowiec

Introductions around the table & room (sign-ins below)

Name	Affiliation	Member / YP
Jeff Borowiec	Texas A&M Transportation Institute	Y /
Mihir Shah	Arora Engineers	Y /
Linda Howard		Y (Emeritus) /
Leah Henderson	DOWL	Y / Y
Verne Skagerberg	Alaska DOT&PF	Y /
Dave Byers	Quadrex Aviation	Y /
Geoffrey Gosling	Aviation System Consulting, LLC	Y (Emeritus) /
Pam Keidel-Adams	Kimley-Horn	N /
Ryan Dittoe	Sacramento County Department of Airports	N / Y (YMC-A)
Matthew Grunenwald	Embry-Riddle Aeronautical University	N /
Mike Maynard	Jviation	N /
Gaby Joe Hannoun	Virginia Tech	N / Y
Stephanie Atallah	Virginia Tech	N / Y
Joe Navarrete	ACRP	N /
Senanu Ashiabor	Intermodal Logistics Consulting, LLC	N /
Seth Young	The Ohio State University	N /
Aarshabh Misra	Arup	N / Y
Leah Pinder	Arup	N / Y
Gael LeBris	WSP USA	N / Y
Basil Yap	NCDOT	Y /
Patricia Vieirs	(independent consultant)	Y /
Denise Garcia	MassDOT Aeronautics Division	Y /
Jim Halley	Florida DOT Aviation & Spaceports Office	Y /
Fin Bonset	VHB	Y /
Laurie Cullen	VHB	Y /
Steven Landau	Economic Development Research Group (EDRG)	Y /
Larry Goldstein	TRB	
Mary Sandy	Virginia Space Grant Consortium	N /
Sarah Pavis	Virginia Space Grant Consortium	N /
Arianna Koudounas	Metropolitan Washington Council of Governments	N (Friend) / Y
Ryan Gaug	Minnesota Department of Transportation	N (Friend) / Y
Zach DeVeau	Kimley-Horn	Y / Y
Jennifer Kim	AECOM	N (Friend) / Y
David Tomporowski	University of Washington	N (Friend) / Y
Liz Huang	Port Authority of NY & NJ	

Gareth Hanley	RS&H	N / Y
Tasos Aslidis	Vianair Inc.	N /
Stavros Sidiropoulos	Vianair Inc.	N / Y
Mike Coleman	Port of Portland	N /
Sherry DiBari	USGC	
Justin Guan	Arup	N / Y
Scott Hogan	University of Maryland Eastern Shore	N / Y
Doug Wendt	TransSolutions	N /
Andrew Levy	RSA	N /

1. Committee News

a. TRB Harassment Policy

Jeff Borowiec

Harassment policy was sent out to everyone last year.

Emergency procedures shown on screen.

b. About this year's meeting

Jeff Borowiec

c. AV020 Session Summaries

Three sessions were sponsored by AV020 during the 2019 Annual Meeting. Session organizers provided summaries of their panels.

i. Aviation System Planning: A 20-Year Look into the Future

Geoff Gosling

Session 1209, Room 143B, 10:15am – 12:00pm, Monday 1/14/19

- Continues conversations from the 10th National Aviation System Planning Symposium
- Review objectives of Symposium – developing research agenda
- Intended not as a series of formal presentations, but conversations on research needs
 - Jagoda Egeland – International Transport Forum - moderator
 - Jim Halley: State/Regional System Plans
 - Dave Byers: System Planning & Technology
 - Kent Duffy (FAA) – not certain to make it – Future Issues & Research Needs for Airport Capacity & System Performance
- Intended to feed into AV020 Committee's Triennial Strategic Plan (TSP)

ii. Airspace Governance and Access Issues: Implications for Aviation System Planning

Steven Landau

Session 1423, Room 143A, 8am – 9:45am, Tuesday 1/15/19

- Maranda Thompson, M&H, ACRP 04-22
- John Houlihan (KYDOT Airport Zoning Commission Administrator), Charles Miller (former director of Louisville International Airport), management of obstructions as part of state system planning – KY & ID have invested in state policy/management of airspace obstructions
- David Thipphavong, NASA (may have been furloughed and may not attend)

iii. Beyond the Norm: Flying into the Realm of Non-Traditional Airports

Linda Howard, moderator

AV010 sponsored, cosponsored by AV020

Burning Man – Matthew Grunenwald

Navajo Nation – Carl Slater, Navajo DOT

West Houston Airport (private reliever)

WSDOT, Thomas Platts

iv. [Poster Session – before Aviation Caucus \(3:45 – 5:00pm\) – Hall A](#)

- McKelvey Award – Geoff Gosling recognition

d. [AV000 Group Update](#)

[David Ballard](#)

- 14,000 TRB registrants – not sure due to federal partial shutdown & winter weather
- FY2021 – DOT funding for technical activities division starting to be single source, not from individual agencies - \$2.4 to \$1.5 million
 - Technical activities staff looking at reorganization – both to streamline & respond to funding
 - Christy Gerencher: TRB is trying to find ways to make up for the shortfall that is coming up in FY2021. Hopefully lots of behind the scenes changes can help to make up the shortfall. Christy mentioned that communication from the director is frequent and often and she will keep the committees informed. The Technical Activities staff and council are looking at ways to reorganize committee structure to streamline and improve the division. Goals of wider engagement and more diversity and continue to contribute to research. Packets include a short version of policy/critical issues and the full document is available online. The next annual meeting is the beginning of the centennial celebration: moving ideas to advance society. The spotlight theme is: a century of progress, foundation for the future. For each session in 2020 it is recommended to have one of the presentations be a retrospective look at that issue.
 -
- We have 9 out of 200+ committees
- Diversity & wide participation, & also meeting TRB goals
- TRB brochure (?)
- Critical Issues in Transportation publication – policy snapshot/insert
- [Trb.org/criticalissues](#)
- Transportation Research Review – transferred to SAGE – improvements in editorial process
- Next annual meeting planning – centennial meeting – “Century of Progress, Foundation for the Future”
- Aviation Caucus tonight sponsored by Aviation Week

e. [TRB Staff Update](#)

[Christy Gerencher](#)

- Christy Gerencher provided a welcome handout with the aviation matrix for the Annual Meeting.

Joe commemorated Mike Salamone's passing.

ACRP is just starting and update a strategic plan – ACRP is entering adolescence, and wants to get feedback from TRB aviation committees, especially CRCs

- IdeaHub – method for developing problem statements & problem statement review process.
 - Previous problem statements – noticing a small volume early, then avalanche at deadline.
 - IdeaHub tries to spread that out and collaborate and gain industry feedback before deadline
 - Last year – complicated process – neat idea but frustrations by users
 - Phases: background/ideas then gain feedback/comments – encourages to get it out there and get industry feedback
 - Problem statements can be submitted through idea hub anytime. He encouraged everyone with any research idea to submit on idea hub and then look for industry feedback at any time, ideally not at the last minute. The process has been simplified, title, brief background and objective are needed. Deadline is March 20, 2019. The oversight committee appreciates industry feedback. ACRP 01-36 – *Advancing the Practice of State Aviation System Planning* is one upcoming project that AV020 will want to follow closely.
- AOC encourages outside/industry comments and feedback – AOC has airport/consultant leaders, looks to other industry groups' committees System Planning ACRP project proposals received, panel is reviewing them

2. Presentation

Larry Goldstein, ACRP, introducing

- 110 students participating in ACRP/TRB research
- 60 universities
- Underwritten by FAA
- Virginia Space Grant Consortium acknowledgement

An Assessment of Contributing Factors to Air Service Loss in Small Communities
Stephanie Atallah, Virginia Polytechnic Institute and State University

(Larry noted her professor, Dr. Susan Hotle, was an original ACRP award recipient in 2013)

- Understand the dynamics behind markets that are likely to lose or maintain service
- Identify how different regional and market characteristics may have contributed to service continuity
- (airline cost-control strategies – up-gauging, ancillary fees, reduced frequencies).
 - PSA regions, Airport Size, Aircraft Fuel Consumption - BTS, ASAI (air service access index), PSA Population & Per capita Income – BEA, airline classification, October schedules – OAG

- Roanoke – Washington/HGR/BWI – ASAI comparison
 - Data
 - Focus on continental US domestic non-stop markets
 - 1367 distinct region-pair markets
 - Number of markets served decreased by 22% from 2007-2013
 - Looked at shifts in fuel consumption (gal/seat-hr) & fleet capacity (seats/flight)
 - Panel data of 1367
 - Logit model, regression
 - 453 markets could be used for fixed-effects conditional logit model
 - Lagged independent variables were used
 - Dependent variable: service loss (yes/no)
 - Independent variables: frequency, fuel consumption, Allegiant presence, major carriers, LCC carriers, ASAI of destination, population of destination region, airline merger (if new parent airline did not already serve), year of service analysis is 2008
 - Results – major factors: presence of Allegiant as the sole marketing carrier (caveat: may not have any service otherwise), merger activity, use of small fuel intensive (30-50 seat) aircraft (caveat: scope clauses may limit airlines' ability to add to this fleet)
 - Policy implications: airport managers in small airport communities have reduced control, national incentives like EAS may be needed, congress/gov't
- Larry noted new ACRP 03-40, changing consumer preferences for small airports (vs. driving, etc.) – almost ready to publish – intensive – divided between guidebook & technical analysis, out in a few months

3. Committee Business

a. Adoption of 2018 Mid-Year Meeting Minutes

Jeff Borowiec

- Adoption of minutes – Jeff Borowiec noted that these will be more comprehensive moving forward.
- Move to accept – Laurie yes, Linda seconds

b. 10th National Aviation System Planning Symposium

Verne Skagerberg

- Attendance as expected for NASPS
- Research needs discussions
- Program went well – ½ day final workshop – fruitful, short of problem statements, but noted areas of concerns & research gap needs – Laurie took notes.
- Thanks to Leah, Fin, Geoff,
- “Time to start (planning) again” for 2021 – approach will be different; TRB will take over logistics & financial management – will take off burden (e.g., hotel rate negotiation) from next chair; provides opportunity to put more effort into the program & coherent Symposium,
 - Location must be Irvine or DC – leaning towards Irving

- Jeff invites interested parties to chair or help planning
- Jeff gives certificates of appreciation to Verne (Symposium chair), Leah (logistics/site chair), Fin (program chair); sponsorship surplus sits in TTI account, will go to TRB
- Geoff: fundraising/sponsorship supports graduation student participation awards, 4 in 2018, covers their hotel/registration, will be looking for people to help organizing that
- We do have all the presentation from the Symposium – plan is to get all these items on the Committee website, for benefit of those not attending Symposium
- Workshop on the last day – currently putting together summary within the next few weeks; Laurie took extensive notes; tasked Graduate student awardees to take notes.
- Verne: research needs discussions, especially last day workshop, intent to roll those into TSP

c. Research Coordinator Update

Verne Skagerberg

- CRCs having discussions with ACRP, including challenges with IdeaHub transition
- Emphasis on ACRP problem statements, but also other interests – research needs database maintenance, supporting interest of research from committee for other (non-ACRP) research venues.
- AV000 CRC (CRCC-A) meeting Tuesday 8am
- Larger TRB CRC meeting yesterday (Sunday, CRC Council)
- Laurie – broke into group exercises

d. Communications Coordinator Update

Leah Henderson

- Committee website – trbav020.wpengine.com
- Documents in /documents – idea to keep documents, meetings minutes, symposium presentations, etc. up
- CCC meeting tomorrow (Tuesday 1/15/19)
- Jeff – encourages to prospective friends to sign up through MyTRB to get on email list (203 people), also for address/contact info changes
- Geoff: where is the old Google Sites site? Who controls it (Jeff)?

e. Triennial Strategic Plan Update

Laurie Cullen

- AV020 ad/hoc – subcommittees:
 - Communications
 - Research Needs

- Annual Meeting Sessions and Calls for Papers
 - Symposium Planning
 - Strategic Planning
 - Membership
 - o Summary table of states, numbers, organizations, main, emeritus, young, etc.
- Table of Activities would be beneficial to develop – currently narrative summary
 - Ongoing strategies w/ Proposed Actions
 - Membership – 1/3 rotates out every 3 years – would be good to have a chair to focus on prospects: young, current friends, people connect to a topic/research need of AV020 interest
 - Critical issues identified by the committee
 - Emerging technologies, etc.
 - Summary table of recent annual meeting sessions – opportunity to identify moderators & speakers – who stays active?
 - Q&A – Marc Greenberger, ACRP: geographic diversity requirement? Map would be good. Laurie: geographic diversity not a requirement
 - **Action items: comments in next 1-2 weeks (Jan 25th). Jeff needs to submit this month.**

f. **Membership Coordinator Update**

Yasmina Platt

Jeff: Yasmina in Houston, sent out member guide – **need comments next week.**

g. **YMC-A Update**

Ryan Dittoe

- Workshop yesterday on planning airports for people with disabilities
- Poster session today in Hall A – 3:45pm today (Monday 1/14/19)
- Martin Roller OSU, current YMC-A chair – new chair (?)
- Public health, sustainability, in-flight customer experience, airport/airline employee wellness program
- Continuing work for 2019: quarterly member spotlight, mentor program

h. **IMC-A Update**

Hazel Peace

- 10:15am meeting today (Monday 1/14/19) – Mint room, M4
- Carbon offsets, international participation

i. **Webinars for 2018/2019**

Jeff Borowiec

- Marci Greenberger / Joe Navarrete – updating website to show upcoming webinars

j. **2019 Mid-Year Meeting**

Jeff Borowiec

- Mid-Year meeting – closely scheduled with AV010

k. **2020 Annual Meeting Planning**

Attendees

- Annual meeting – much work from Symposium, TSP – will have call in ~6 weeks to discuss the topics

- In meantime if you have session ideas, email to Jeff

4. Other Activities

Jeff Borowiec

- Mihir joined as committee secretary this summer
- Fin joined as committee member in September
- **Centennial Paper:** Each committee is asked to submit a centennial paper. Jeff will take lead on this for 2020. Initial submission is due February 1, 2019. Jeff will be soliciting assistance for review prior to the deadline.

a. Individual Activity Reports (Time Allowing)

Attendees

5. Adjourn

9:41am