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TRANSPORTATION RESEARCH BOARD

Aviation System Planning Committee (AV020)

2019 Mid-Year Meeting

Washington, DC – Keck Center, Room 101

June 6, 2019

8:30 a.m. – 12:30 p.m. EDT

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MEETING MINUTES

1. Welcome and Introductions

Name	Affiliation	Member / YP
Jeff Borowiec	Texas A&M Transportation Institute	Y /
Mihir Shah	Arora Engineers	Y /

Verne Skagerberg, AK DOT – Member, CRC?

Zach DeVeau, KHA - Friend

Clayton Stambaugh – IL DOT, Friend (?)

Ryan Gaug – Mn DOT, Friend – SAC update, statewide economic impact in the fall

Gail Staba, ACRP staff, synthesis – arts program, last mile in general aviation, airport renewal energy projects, airport emergency plans (actual vs. FAA/general), escalator falls, workforce programs, training for Ops staff

Rob Samis - FAA

Kent Duffy FAA Office of Airports

Dave Byers, Quadrex Aviation – FAA announcement about more into contract tower program

Denise Garcia – MassDOT Aviation- statewide economic impact study, tracking of consultant/construction projects

Christy Gerencher – TRB staffer for the committee

Fin Bonset, VHB – Alaska, Spaceport

Stephanie Ward, M&H, ACRP Performance Measures

Laurie Cullen, VHB – ACRP strategic plan

I. Richmond Netty

2. Approval of 2019 Annual Meeting Minutes

Meeting minutes approved

3. Review of 2019 Annual Meeting

4. Triennial Strategic Plan

Laurie led, finalized early February – done for now. Any comments/suggestions going forward, Jeff will take those. Want to keep fresh with new ideas.

5. Centennial Paper

Not submitted yet – Jeff will submit after Mid-Year Meeting, and will look for people for input/comments (e.g., longer-term institutional knowledge).

Christy – would like to have pictures (other committees' papers don't have), though not required. But there is a specific format for submitting pictures.

6. Committee Rotation – 2020

Christy – will send information in November to get committee to start thinking before 2020 Annual Meeting.

7. Committee Updates

a. TRB Staff Update – Christy Gerencher

New paper review system – managed/operated in conjunction with Sage Publishing. Mirrors other academic publication systems. Will send members an email to update profile (separate from MyTRB). Profiles will have “classifications” (areas of expertise) to make assigning paper reviews easier. Will ask Jeff to send reminder email(s).

Creating a new TRR (Transportation Research Record) editorial board – similar to traditional editorial boards like for NAS. Looking for aviation people (none on board)

yet) – Patty Lockhart will coordinate. New decision-making process – good for presentation (yes/no), good for publication (yes/no), and no re-reviews, but will ask for reviews to continue reviewing if approved for presentation/publication. Can recommend any papers – no limits (as before with 20% limit). Not subject same timelines as before – goal is to increase impact to go up, with increased quality (but not impinging on quantity).

Annual meeting – week of January 12th, 2020. Will be a bit later in 2021 due to inauguration year. 2020 attendees will be given complimentary Centennial book. 2021 plans to have group picture, including for TR News (Christy is editorial chair).

Christy will ask individuals for how TRB as affected/impact them – short stories.

b. Aviation Group Update – David Ballard

c. ACRP Update

Joe Navarrete

Marci Greenberger appointed as permanent manager of ACRP

- Collaborating more with TRB aviation committees

Received 77 problems statements submitted in 2020 – 2nd year of IdeaHub

Internal discussions on how IdeaHub is doing

Collaboration – IdeaHub is open year-round

Still issue of ideas submitted at the last minute (only 5 in early March)

Thanks committee for reviewing problem statements

Year 1 IdeaHub is a “C-” product, Year 2 will be “C+”. Feedback on IdeaHub – system user surveys. Some had challenges using, so ACRP staff created short help video.

Denise: some problems statements have lack of methodology – asks that submitters should be required to complete certain sections.

Joe: challenge of balance between making it easy to submit vs. ensuring enough information is included. Joe said Denise’s feedback was valuable.

Record number of publications in the queue. Noted air service .

2 ACRP projects on state aviation system planning – 1 on state agency performance metrics by end of this year, 1 on state aviation system plans guidebook just starting. Also 1 on urban air mobility and 1 on electric aircraft.

Dave Byers – question of tracking and feedback to submitters on problem statements (including funded vs. non-funded), feedback to submitter. Joe: documenting of AOC comments – limited time, very poor statements don’t get much time, but when AOC discusses, comments are well-documented. Each problem statement sent to AOC will already have a few pages of ratings/comments from TRB committees. Submitters will have access to full AOC/TRB committee comments as an attached PDF in their IdeaHub.

Accepted/non-accepted (funded vs. non-funded) not always explicit, but there are project announcements, and there is a feedback loop for submitters. Projects selected are taken out of IdeaHub and archived. Those not selected are left in IdeaHub and changes/comment responses can be submitted. Sometimes problems statements are combined and so 1-to-1 correspondence.

Rob Samis: would like to modify procedure to allow for re-submittal of ideas that were not originally “ripe”. Joe says submitter can re-submit, but ACRP staff will not unilaterally re-submit to AOC without a response.

Clayton: found help video useful. Asked if committees can submit idea. Joe said only individuals can submit through IdeaHub, but can note committee idea development.

1.5 years ago AOC had emerging issues workshop and developed research roadmaps. Ensuring new ideas mapped out and also less overlap. IdeaHub has these roadmaps published.

Now is the time to put in ideas – Gail: synthesis ideas are easy (~2 sentences). September deadline, October decisions. Dave Byers is on synthesis panel. Gail will make note to make sure committee comments are addressed.

d. Committee Research Coordinator Update

Transition (more titles than responsibilities):

Verne had been CRC, now transitioned to Laurie, who also chairs aviation CRC committee. Verne will rotate out this year.

Laurie: work on TSP will assist with IdeaHub, ACRP, problem statements, and research needs statements review & processing.

Jeff: we had 7 problem statements. Thanked Dave Byers with review form.

e. Committee Communications Coordinator

a. <http://trbav020.wpengine.com/>

Leah Henderson not available to join. Jeff has goal to get past 3 NASPS presentations posted.

f. Young Members Council – Aviation (YMC-A) Update

Mentor program noted – pair young professionals with seasoned ones. YMC-A needs mentors (Clayton).

g. International Members Council – Aviation Update

3 main topics proposed for 2020 AM.

Hazel Peace sent note to Jeff: relationship between airports/airlines, environmental approaches to ground handling.

h. UAS Subcommittee Update

Several UAS/UAM sessions. No full workshop this year like last year.

i. Commercial Space Subcommittee Update

A few sessions proposed.

8. 2021 National Aviation System Planning Symposium (NASPS)

Verne: From 2018 NASPS - Future research needs summary from last ½ day submitted. Categorized into topic areas, questions. Used for updating TSP.

Fin Bonset & Jim Halley have volunteered to co-chair the next Symposium. They desire to have it in Florida, but need venue discussions with Christy. Even must be managed/overseen by TRB and likely at a TRB facility, as per TRB new policy to manage event risks. Need to make quick decisions if committee is to secure California TRB facility (preferred over DC due to Annual Meeting location). TRB expects event revenue to cover TRB/venue costs. DC venue may NAS building on Constitution Ave. Costs may actually be higher for TRB, but level of effort may be less. Dave: Variable cost is the cost of the venue. Sponsorships have traditionally helped costs. TRB has to solicit hotels/rates.

Jeff will work with Jim/Fin to plan potential sponsorships and then get back with Christy on next steps to make decisions quick.

Jeff concerned with TRB being comfortable with a non-NAS facility for the first year of direct TRB oversight.

Jeff coordinating benchmarking of metrics & revenues from previous Symposia. Also get past NASPS chairs (Verne/Mihir) involved for planning.

Christy: yes, TRB is requiring they manage logistics/venue/registration/etc. NAS owns Irvine, CA Beckman Center, so no contract negotiation. Hotel rates also negotiated. Also NAS-owned Massachusetts facility but only holds up to 50 people. 90% certain Irvine facility is available, checking for any conflicting ACI-NA/AAAE events. Costs are not nailed down yet, and number crunching can't be done until conference is approved (Christy has submitted for Fall/September review meeting). For non-NAS facility, would need TRB meeting staff involved, and have to issue RFPs. Can be done but time-sensitive, and additional staff costs would need to be incorporated, pushing registration costs to \$700. Cheapest option is DC, with registration ~ \$500. Irvine facility is more expensive, and will also need shuttle buses from hotel to . Also questions on extra dinners/tours to be addressed. Christy will need help with "patrons" (proper TRB term for sponsors) – more money before registration launched, the better, so costs can be pre-adjusted accordingly. Approximately \$50 registration reduction for every \$10k in patron revenue. TRB can provide flyers, etc. in advance, and provide academic content management services through OpenWater.

Christy recommends use Irvine, CA for 2021 NASPS to set the baseline, and revisit independent location for 2024 NASPS.

9. McKelvey Award Nominations

10. Webinars

Webinar schedule forthcoming?

11. ACRP Problem Statement Reviews

Addressed earlier

12. 2020 Paper Reviews

Christy: new review system as mentioned earlier. Committee usually only gets a small handful of papers.

Paper submittal deadline August 1st – paper reviews deadline in September

The will need session organizers to pick up from paper reviews

13. 2020 Annual Meeting Planning (Sessions and Workshops)

a. January 12–16, 2020 (99th Annual Meeting)

Jeff: every committee gets 2 sessions to program, 5 sessions open for the aviation group to plan. 20 total.

Jeff solicits comments from previous session survey and today on call (shares aviation session ideas on screen).

October 1 deadline for final session titles.

Jeff reviews all aviation sessions.

Order of 6 sessions surveyed shown:

1. Session Idea 3 – System Planning Implications of New Aircraft – UAM, Supersonic Business Jets, others

Jeff/Kent concerns on lack of maturity and only having manufacturers, etc. for session. Ryan noted he drafted Phase 2 SASP language on UAM/UAS and was not well received, again for lack of certainty.

Gail: Denver (DEN) has a secondary airport designated as a spaceport nearby, concerns over long-duration airspace shutdowns.

Rob Samis: new AC on spaceport addressing?

2. Session Idea 4 – Performance measures for state aviation agencies (ACRP 01-37)

Stephanie is PI, not sure if approval or enough material to present. Laurie says may need to expand as 01-37 may not be enough for full panel. Clayton: look at both agency and system metrics, and where they may cross. Kent Duffy: timing good for existing ACRP Projects focused on (state) system planning. Zach (Ryan?) noted FLDOT (MnDOT?) is a case study. Stephanie: good overlap between system/agency metrics. Verne would like measure performance of system planning process, ties into retrospective of 100 years of

system planning.

3. Session Idea 6 – Current Issues in General Aviation: NPE 2-year look back, FAA Demand/Capacity AC and related R&D efforts on GA aircraft capacity factors, and how we should invest in regional/GA airport capacity
4. Session Idea 2 – Look back on a Century of Aviation System Planning

Jeff/Dave had discussed ideas earlier.
5. Session Idea 5 – Urban Air Mobility – a federal/regulator perspective
6. Session Idea 1 – Non-Standard Aviation Activities/Users in your System

Rob Samis: combine Session Ideas 6 & 2 potentially. Also expand GA session to more than airports – airspace, instrument procedures – ILS, ADS-B, UAS, demand for aerial photography, etc.: FBOs, GA airports are becoming more the fuel purveyors, service providers, limited data. Kent Duffy: Purdue-developed (BlueAvian) system for non-towered counts, ready for briefing in January. Clayton: IDOT ready for statewide study, chose not to use the Purdue solution due to lack of validation/approval. Denise: MassDOT uses GARD system – records radio, IDOT decided to use that as well. Additional discussions with Zach & Kent on counting issues – ADS-B, forecasting/policy implications, etc.

Stephanie reminds need to get AICP credits accepted for sessions. Christy said in past generally has not been an issue – good descriptions with “planning” noted is fine.

Denise/Jeff like co-sponsoring a session on economic impact.

b. Spotlight Theme: A Century of Progress: Foundation for the Future

14. New Business

None

15. Adjourn

12:02pm