



TENTH NATIONAL AVIATION SYSTEM PLANNING SYMPOSIUM

MAY 20-23, 2018
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For some people, it's climbing Mount Everest, for others it's skydiving. For Stephanie Ward, it's completing an aviation system plan for her home state. Happily, she checked that item off of her bucket list in 2017! Join Stephanie for the "State of States" session at NASPS, where she'll present lessons learned from the Michigan Aviation System Plan.

Mead&Hunt

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AT A GLANCE AGENDA

SUNDAY MAY 20

- 8:30 am** TRB Committee on Airport System Planning (AV020) Mid-Year Meeting – *Turnagain*
- 12:30 pm** Lunch on Your Own
- 2:00 pm** TRB Committee on Intergovernmental Relations in Aviation (AV010) Mid-Year Meeting – *Turnagain*
- 6:00 pm** Welcome Reception – *Outside On the Green*

MONDAY MAY 21

- 8:30 am** Welcome, Symposium Overview, Keynote – *Redington*
- 9:30 am** Plenary Session I: Impacts of Technological Evolution - System Planning Beyond the 20-year Planning Horizon – *Redington*
- 10:45 am** Break – *Turnagain*
- 11:00 am** Plenary Session II: The Changing Environment: Demographics, Demand, and Financing – *Redington*
- 12:15 pm** Luncheon Keynote – *Redington*
- 1:45 pm** Plenary Session III: “North to the Future”: System Planning in Alaska – *Redington*
- 3:00 pm** Break – *Turnagain*
- 3:15 pm** Concurrent Session A1: “State of the States”: Examples of System Planning Best Practices from Various States – *Redington*
Concurrent Session A2: “Going Abroad”: International System Planning – *Lake Spenard*
- 5:30 pm** Symposium Reception and Dinner – *Alaska Aviation Museum, Lake Hood*

TUESDAY MAY 22

- 8:30 am** Plenary Session IV: Who are The People In Your Airport System Neighborhood?: Integrating Aviation System Planning into the Larger Land Use and Transportation Planning Processes – Best Practices – *Redington*
- 9:45 am** Break – *Turnagain*
- 10:00 am** Plenary Session V: Trending Trends: Incorporating the Latest Best Practices Related to Safety, Security, and Resiliency into System Planning – *Redington*
- 11:15 am** Break – *Turnagain*
- 11:30 am** Concurrent Session B1: The Changing Aviation System – New Users, New Challenges – *Redington*
Concurrent Session B2: Assessing Outcomes: Measuring Airport Capacity and Aviation System Performance – *Lake Spenard*
- 12:45 pm** Lunch with Poster Session – *Redington*
- 2:00 pm** Concurrent Session C1: “Key Stakeholders” – The Vitality of General Aviation in the System – *Redington*
Concurrent Session C2: The System Planning Process, an Outward Look: Improving Outreach and Coordination with Stakeholders – *Lake Spenard*
- 3:15 pm** Break – *Turnagain*
- 3:30 pm** Symposium Synthesis – *Redington*
- 4:45 pm** Adjourn

WEDNESDAY MAY 23

- 8:30 am** Overall Symposium Synthesis and Research Gaps Workshop – *TBD*
- 11:00 am** Adjourn / Lunch on Your Own
- 2:00 pm** Optional Tour of Ted Stevens Anchorage International Airport

WELCOME

On behalf of the Transportation Research Board Committees on Aviation System Planning and Intergovernmental Relations in Aviation, welcome to Alaska and the picturesque Lakefront Anchorage Hotel on the banks of Lake Hood. It is a pleasure to be hosting our 10th National Aviation System Planning Symposium at such an incredible location. The symposium has been developed and organized in partnership with the Alaska Department of Transportation & Public Facilities and the Ted Stevens Anchorage International Airport. We greatly appreciate their leadership and support in bringing the symposium to beautiful Alaska, our nation's 49th state.

This symposium, the tenth in a continuing triennial series, addresses many of the critical issues facing aviation system planners today. Having emerged from challenging economic conditions and a period of industry consolidation, we now enter a more stable period of both domestic and international growth in aviation demand. However, aviation system planners continue to face challenges involving how to best fund our system, how to accommodate the changing environmental and demographic landscapes, and how best to implement emerging and evolving technologies to make our system safer and more efficient.

To address these issues and others, a wide spectrum of plenary session topics and opportunities for large and small group discussions has been planned. In addition to formal sessions, opportunities to gather in a more social setting include the Welcome Reception and the Symposium Reception and Dinner at the Alaska Aviation Museum on Monday night. Both of these promise to be memorable and enjoyable events.

It is the intent of our committee to assemble a Symposium Proceedings summarizing the presentations and discussions that emerge from this symposium. Your participation in these sessions will further contribute to sharing our combined knowledge benefiting the future of aviation system planning. Of particular note is the final session of the symposium where we will develop an overall symposium synthesis and identify research gaps for future consideration and problem statement development.

Many thanks to our symposium sponsors who have helped to make this event possible and who in the process have supported four scholarships for graduate students to attend. In addition, enormous thanks goes to the 10th NASPS technical planning committee, led by Verne Skagerberg, for their incredible work over the past year in assembling what has become an excellent program and an outstanding event.

Welcome to Anchorage!

Jeff Borowiec, Ph.D.

Chair, TRB Committee on Aviation System Planning

Pam Keidel-Adams

Chair, TRB Committee on Intergovernmental Relations in Aviation

SUNDAY MAY 20

8:30am - 12:30pm *Turangain Room*

TRB Committee on Airport System Planning (AV020) Mid-Year Meeting

Dr. Jeffrey Borowiec, Research Scientist, Infrastructure Investment Analysis Program,
Texas A&M Transportation Institute - AV020 Committee Chair

Interested symposium attendees who are not already members or friends of the committee are invited to attend the committee meeting to discuss future committee activities.

12:30pm – 2:00pm

LUNCH ON YOUR OWN

2:00pm – 6:00pm *Turangain Room*

TRB Committee on Intergovernmental Relations in Aviation (AV010) Mid-Year Meeting

Pamela Keidel-Adams, Regional Vice President, Kimley-Horn and Associates, Inc. -
AV010 Committee Chair

Interested symposium attendees who are not already members or friends of the committee are invited to attend the committee meeting to discuss future committee activities.

5:00pm – 7:00pm *Outside of Redington Room*

SYMPOSIUM REGISTRATION

6:00pm – 8:00pm *Outside on the Green; Inclement Weather, Lake Spenard Room*

SYMPOSIUM WELCOME RECEPTION

MONDAY MAY 21

7:00am – 11:00am *Outside of Redington Room*
SYMPOSIUM REGISTRATION

8:30am – 9:30am *Redington Room*

Welcome and Symposium Overview

Introduction: **Verne R. Skagerberg**, MPA, Chief, Southcoast Region Planning, Alaska DOT&PF - 10th National Aviation System Planning Symposium Chair

Welcome: **John Binder**, Deputy Commissioner, Alaska DOT&PF

Keynote: **Marc Luiken**, Commissioner, Alaska DOT&PF

9:30am – 10:45am *Redington Room*

Plenary Session I: Impacts of Technological Evolution - System Planning Beyond the 20-year Planning Horizon

Moderator: **Dr. Dave Byers, AICP, C.M.** (Quadrex Aviation, LLC)

Topics:

- **Population vs Enplanements: Impact of population growth on air travel**
- **Cultural Shifts and the Influence of Social/Commerce Networks**
- **Higher, Faster, Farther (and Cheaper): Impact of research & development of AI/Remote/Virtual Technologies**
- **Public Policy/Private Sector: Visioning ATCT for the Long-Term Future**
- **Airlines: Future of aging business models vs competition (including TNCs, BnBs, and web conferencing) for meeting future travel demands**

Speakers:

Chrishanth Fernando (Senior Associate, Infrastructure and Environment, Booz Allen Hamilton)

Mark Huberdeau (Portfolio Manager for NAS Concept of Operations, Architecture, and Integration, MITRE Corp.)

Robert Samis (Economist, FAA)

10:45am – 11:00am *Turnagain Room*

BREAK

11:00am – 12:15pm *Redington Room*

Plenary Session II: The Changing Environment: Demographics, Demand, and Financing

Overview:

The world continues to change, impacting the aviation system and how it should develop and evolve in the future. From demographic shifts that affect demand for services to how projects are funded and delivered, and the types of projects that are most needed, there are many factors affecting the future aviation system. This session will provide a backdrop for understanding some of these factors that are impacting airports and aviation services.

Moderator: Pam Keidel-Adams (Regional Vice President, Kimley-Horn and Associates, Inc.)

Topics:

- **The Big Picture – Trends in Demographics**
- **Realistic Forecasting: Defining the TAF**
- **Privatization and Innovative Financing**

Speakers:

David Ballard (Senior Economist, GRA) – Demographic Characteristics

Nora Richardson (Director, Frasca & Associates, LLC) – Alternative Funding Delivery

12:15pm – 1:45pm *Redington Room*

LUNCHEON

Keynote Speaker: Robert Schultz, Chief of Airport Planning, LAX Terminals, Los Angeles World Airports

1:45pm – 3:00pm *Redington Room*

Plenary Session III: “North to the Future”: System Planning in Alaska

Moderator: Leah R. Henderson, C.M., ACE (Aviation Planning and Design Manager, DOWL)

Topics:

- **The Alaska State Aviation System Plan, A Case Study**
- **Cargo System Planning - How ANC has Become a Major Cargo Hub and How it Works within the System Plan**

Speakers:

Alex Moss (AIAS Planning Manager, Alaska Department of Transportation)

Troy LaRue (Statewide Aviation Manager, Alaska Department of Transportation)

MONDAY MAY 21

3:00pm – 3:15pm *Turnagain Room*

BREAK

3:15pm – 4:30pm *Redington Room*

Concurrent Session A1 – “State of the States”: Examples of System Planning Best Practices from Various States

Overview:

This session will feature a panel discussion featuring representatives from aviation systems with different ownership, management, and operational control relationships within their systems. Speakers will discuss the challenges and opportunities of each, lessons learned, best management practices, and tricks of the trade from one structure that could be leveraged by others, and current innovative aviation system management approaches or initiatives.

Moderator: **Jim Halley, A.A.E., ACE** (Aviation Planner, Kimley-Horn and Associates, Inc.)

Topics:

- **Engaging aviation stakeholders across the system**
- **Innovative system-wide programs - how they are developed, implemented, and leveraged**
- **Best management practices and successful techniques used in system plan development and implementation**
- **Figuring out what you want: identifying the goals and objectives of a system plan and what data you can, want, and need to collect**

Speakers:

Rylan Juran, C.M. (Aviation Planner, MN DOT, Aeronautics) – Minnesota’s new approach to their ongoing update to the Minnesota Aviation System Plan

Craig Farmer, P.E. (Airport Engineering Branch Manager, KY Transportation Cabinet, Department of Aviation) – The recent comprehensive update to the Kentucky Aviation System Plan and how it was coordinated with other statewide aviation programs

Stephanie Ward, AICP (Manager, Aviation Planning, Mead & Hunt) – The Michigan Aviation System Plan and lessons learned from data collection and the development of system planning goals and objectives

3:15pm – 4:30pm *Lake Spenard Room*

Concurrent Session A2 – “Going Abroad”: International System Planning

Overview:

This session is designed to provide an overview of comparisons and contrasts in international system planning vs. domestic system planning, utilizing expertise from Canada, Brazil, and China with an FAA twist. The general aim is for our Speakers to provide examples of methodologies and approaches to system planning abroad and possible integration of such systems with U.S. based systems.

Moderator: Fin Bonset, C.M., M.Sc. (Manager of Airport Planning, VHB, Inc.)

Topics:

- **Role of State Systems in International Systems**
- **International System Plans (In Different Countries)**
- **Neighboring Countries Integration**

Speakers:

Gael Le Bris (Senior Aviation Planner/Technical Principal, WSP)

Fabiana Todesco (Head of the Airport Planning and Management Department, Secretaria Nacional de Aviação Civil, Brazil)

Eduardo Bernardo (Head of the Regional Aviation Investments Department, Secretaria Nacional de Aviação Civil, Brazil)

5:30pm – 8:00pm *Alaska Aviation Museum, Lake Hood*

SYMPOSIUM RECEPTION & DINNER

Dinner Speaker: Paul Claus – Renowned Alaska Bush Pilot

Join us for cocktail hour and museum tour from 5:30 pm - 6:30pm. Dinner served at 6:30pm.

TUESDAY MAY 22

8:30am – 9:45am *Redington Room*

Plenary Session IV: Who are The People In Your Airport System Neighborhood?: Integrating Aviation System Planning into the Larger Land Use and Transportation Planning Processes– Best Practices

Overview:

Airports exist in the context of their surrounding communities and regional transportation systems. By nature this requires coordination and collaboration with other stakeholders to protect the airport as a local economic asset, effectively integrate with the local surface transportation networks, and foster environmental stewardship in terms of land use. Often this means conducting these types of activities across a system of airports, not just a single facility. Therefore, a broader set of stakeholders need to be engaged.

While airports and airport systems have dealt with these matters for many years, in an increasingly complex environment with new technologies and new dynamics, aviation organizations have in many cases developed good practices and procedures to better manage these issues. This is especially true as the economy has improved, and both demand for development, which creates encroachment and incompatible land use risks, and for surface transportation infrastructure, with which airport systems must interface with as part of their operations.

Moderator: Mihir Shah, PE, AICP (Special Projects Manager, Arora Engineers, Inc.)

Topics:

- **What tools do airports, and airport systems (e.g., multi-airport owners, MPOs, and state aviation agencies) use to manage compatible land use? How are they differentiated in terms of overseeing various issues such as tall structures, noise, wildlife attractants, and density?**
- **How do airport owners and aviation-related agencies integrate their master and system planning activities with broader regional land use and transportation planning? What can these proponents do beyond being a “modal checkbox” in developing state transportation plans or local comprehensive plans?**
- **What innovative and/or future-oriented transportation access issues are airport owners and related agencies dealing with or addressing? Are UAVs and TNCs being considered, for example?**
- **What policies, including laws and ordinances, are airports, states, and MPOs working with? Is it giving them adequate tools? What practices and processes are they using to go beyond having the policies in place?**

Speakers:

Jim Halley, A.A.E., ACE (Aviation Planner, Kimley-Horn and Associates) – The Florida Aviation System Plan: Integrating FASP 2035 With Florida's Non-Aviation Planning Efforts

Naresh Amatya (Transportation Planning Manager, Southern California Association of Governments) – The Southern California Association of Governments (SCAG) Role in Airport System Planning

Bridget Rief (Vice President of Planning and Development, Metropolitan Airports Commission, MN) – Integrating Aviation System Planning into Larger Land Use and Transportation Planning Processes: Minneapolis – St. Paul International Airport and the Six Reliever Airports

Anthony Bianchi, A.A.E., GISP (Airport Planner, Phoenix-Mesa Gateway Airport) – There Goes the Neighborhood: Airport Land Use Compatibility

9:45am – 10:00am *Turnagain Room*

BREAK

10:00am – 11:15am *Redington Room*

Plenary Session V: Trending Trends: Incorporating the Latest Best Practices Related to Safety, Security, and Resiliency into System Planning

Overview:

The combined effect of unprecedented growth in global demand for commercial air travel and the concomitant impact of significant threats to aviation security, have compelled attention to the need for integrating safety, security and resiliency into system planning in a sustainable manner. This session addresses the latest best practices that are critical to system planning from the multiple perspectives of safety, security and resiliency in the operation and management of large commercial service airports and airport systems.

Moderator: I. Richmond Nettey, Ph.D. (Associate Dean and Professor, College of Aeronautics and Engineering, Kent State University)

Topics:

- **Sustainability/Resiliency Planning in a System**
- **Cybersecurity Measures within the System Plan**
- **SMS Integration within System Planning**

Speakers:

Robert Feteanu (Senior Airport Analyst, ARUP) – Latest Trends in Passenger Processing at Security Checkpoints: Confluence of Sustainability, Resiliency, and Cybersecurity

Dominic Nessi (Senior Technology Adviser, Burns Engineering) – Integration of Cybersecurity Measures into Airport System Planning

TUESDAY MAY 22

11:15am – 11:30am *Turnagain Room*

BREAK

11:30am – 12:45pm *Redington Room*

Concurrent Session B1: The Changing Aviation System – New Users, New Challenges

Overview:

This session takes a look at the impact of new users – such as unmanned aircraft and commercial space vehicles – on system planning. These new users have been getting a lot of attention in the media lately, especially for novel ideas such as drone package delivery or space tourism. What has arguably received less attention is how local, state and federal plans may need to be modified to accommodate them.

This session will explore some of the ways in which planners must adapt to consider the impact of these new users, as well as some of the ways in which these same users might improve the planning process.

Moderator: **Michael Wells** (Economist, The MITRE Corporation)

Speakers:

Senator Shelley Hughes (Alaska State Legislature) – Developing State-Level Policy on UAS Operations in Alaska

Fin Bonset (Manager of Airport Planning, VHB) – Initial Results from ACRP Project 03-42: UAS and Airports

Scott Rosenbloom (Manager, Airspace Policy Group, FAA) and **Michael Wells** (Economist, The MITRE Corporation) – Airspace Analysis for Spaceport Location Decisions

Jim Halley (Aviation Planner, Kimley-Horn and Associates) -- Spaceport Planning: Perspective from the States

11:30am – 12:45pm *Lake Spenard Room*

Concurrent Session B2: Assessing Outcomes: Measuring Airport Capacity and Aviation System Performance

Overview:

The success of aviation system planning studies relies on the ability to assess how different strategies and actions being considered will influence the resulting performance of the system. This in turn requires appropriate metrics to measure the performance of the system and the ability to evaluate how given strategies or actions will impact the system performance. At the same time, there is growing awareness of the importance of actions to preserve and maintain all transportation system assets. The session will address recent developments, experience, and issues in evaluating the expected outcomes of strategies and actions assessed in aviation system planning studies, including asset management strategies and the data requirements to support effective outcome evaluation.

TUESDAY MAY 22

Moderator: Geoffrey Gosling, Ph.D. (Principal, Aviation System Consulting, LLC)

Topics:

- **Developments in Measuring Airport Capacity and Delay**
- **Performance Measures for State Aviation System Planning**
- **Definition of Common Airport Performance Metrics**

Speakers:

Kent Duffy (National Resource Expert for Airport/Airspace Capacity, FAA) – Recent Developments in Measuring Airport Capacity and Delay

Bradley Brandt (Director - Aviation, Office of Multimodal Commerce, Louisiana Department of Transportation and Development) – The Role of System Performance Measures in State Aviation System Plans

Chrishanth Fernando (Senior Associate, Infrastructure and Environment, Booz Allen Hamilton) – Findings and Recommendations from ACRP Project 03-41 Common Performance Metrics for Airport Infrastructure and Operational Planning

12:45pm – 2:00pm *Redington Room*

LUNCH with Poster Session

2:00pm – 3:15pm *Redington Room*

Concurrent Session C1: “Key Stakeholders” – The Vitality of General Aviation in the System

Overview:

This session will focus on the state of General Aviation (GA). Potential topics include: safety trends, technology trends, legislation (including attempts to privatize the Air Traffic Control (ATC) system, user fees, or the rewrite of Part 23), the mandatory Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipage of most aircraft by 2020, the decline of the pilot population, emerging flight programs (such as Uber Elevate or Blade), improved weather infrastructure, airport funding, challenges and opportunities, the phasing out of low-lead aviation fuel (100LL), the consolidation of fixed base operators (FBOs), and the increased interest in backcountry flying.

Moderator: Yasmina Platt (Aviatrix, Senior Airport Planner, Transportation-Houston, AECOM)

Topics:

- **Airstrip Networks**
- **The Role of Private Aviation and General Aviation in the Future: A Review of the Next 50 Years (Trends in Manufacturing, etc.)**
- **Mixing GA with Commercial Operations within NextGen**

TUESDAY MAY 22

Speakers:

Mark Kimberling (President & CEO), NASAO) – Legislation (including attempts to privatize the air traffic control (ATC) system, user fees, or the rewrite of Part 23) and airport funding challenges and opportunities

Adam Williams [Manager of Airport Policy at the Aircraft Owners and Pilots Association (AOPA)] – The decline of the pilot population and the passage of 3rd class medical reform; Mandatory Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipage of most aircraft by 2020; Phasing out of low-lead aviation fuel; Consolidation of fixed base operators; Improved weather infrastructure; Airstrip networks

2:00pm – 3:15pm *Lake Spenard Room*

Concurrent Session C2: The System Planning Process, an Outward Look: Improving Outreach and Coordination with Stakeholders

Overview:

This session's aim is to provide examples and innovations in stakeholder outreach and subsequent trends in reaching a wider audience during the system planning process. The session will compare and contrast existing and past techniques and methodologies with new ideas and recent implementations at various system plans throughout the U.S. including North Carolina, Pennsylvania and Wyoming.

Moderator: Laurie Cullen (Senior Program Manager, VHB, Inc.)

Suggested Topics:

- **Best Practices for Stakeholder Outreach for System Planning**
- **Trends in new outreach methods, social media, etc.**

Speakers:

Christy Yaffa (Airports Planning and Programming Manager, Wyoming DOT) – Wyoming's System Plan Stakeholder Outreach Experience

Robin Sukley (Chief, Airport Engineering and Planning Division, PennDOT) – Pennsylvania's 2018 SASP Update Outreach and ROI

Basil Yap (UAS Program Manager, NCDOT Division of Aviation) – NC DOT Outreach Efforts on Aviation System Plan

3:15pm – 3:30pm *Turnagain Room*

BREAK

TUESDAY MAY 22

3:30pm – 4:45pm *Redington Room*

SYMPOSIUM SYNTHESIS

Goal: *To foster a discussion of lessons learned from the symposium and summarize key points and discussions that will further aviation system planning best practices as a whole in the 21st century.*

Moderator: **Verne Skagerberg, MPA** (Chief, Southcoast Region Planning, Alaska DOT&PF - 10th National Aviation System Planning Symposium Chair)

Topic 1: The FAA's 10-Year Research Plan for Planning and Environmental – A Review

Speaker: **Kent Duffy** (National Resource Expert for Airport/Airspace Capacity, FAA)

Topic 2: Review of Sessions by Young Professionals and Group Workshop/Consensus Session on New Research Needs Related to Topics of the Day

Speaker: **Zach DeVeau, AICP** (Kimley Horn and Associates)

Topic 3: Closing Remarks Day 2

Speaker: **Jeff Borowiec, Ph.D.** (Research Scientist, Infrastructure Investment Analysis Program, Texas A&M Transportation Institute)

4:45pm

ADJOURN

WEDNESDAY MAY 23

8:30am – 11:00am *Room TBD*

Overall Symposium Synthesis and Research Gaps Workshop

Focus: Review discussion and ideas from overall symposium to generate future research topics for TRB/ACRP programming

Moderators: **Laurie Cullen** (Senior Program Manager, VHB, Inc.) and **Verne Skagerberg** (Chief, Southcoast Region Planning, Alaska DOT&PF - 10th National Aviation System Planning Symposium Chair)

11:00am

ADJOURN / LUNCH ON YOUR OWN

2:00 pm

OPTIONAL TOUR OF TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT

Tour of the Ted Stevens Anchorage International Airport — home to Lake Hood the largest seaplane base in the world, and ranked the 5th busiest cargo airport in the world!

This behind the scenes airfield tour may get you close to Boeing 777's, Boeing 747-8's and other international freighters. Learn about the workings of the Best Cargo Airport in North America. For the history buffs, see DC-3's from WWII parked just down the ramp from the newest that Boeing has to offer.

Transport will be provided from the symposium hotel.

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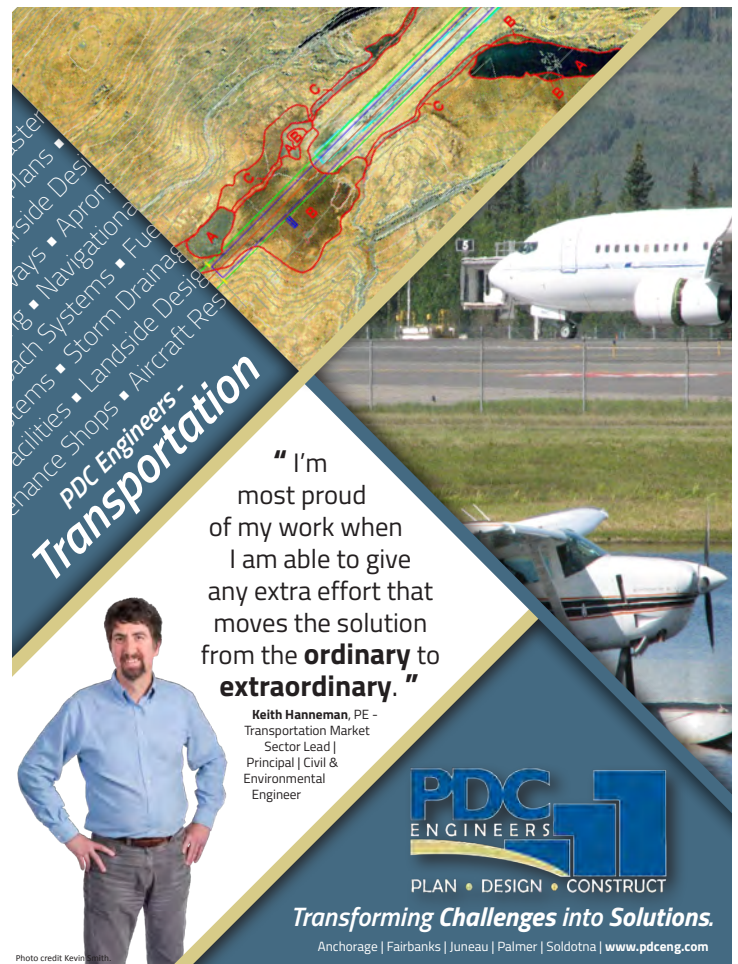
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Kimley-Horn is proud to support the NASPS. Our aviation system planners, airfield and landside design experts, economic impact professionals, and transportation specialists are ready to develop customized solutions to fit your needs.

Be sure to say hello to the Kimley-Horn team at the NASPS:

Pam, Regan, Zach, and Jim.

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- **Verne Skagerberg**, Alaska Dept. of Transp. & Public Facilities (Chair, Organizing Committee)
- **Leah Henderson**,*† DOWL (Logistics Coordinator)
- **Clayton Stambaugh**, Illinois Department of Transportation (Marketing Coordinator)
- **Fin Bonset**,* VHB (Chair, Program Subcommittee)
- **Geoff Gosling**,*† Aviation System Consulting, LLC (Co-chair, Sponsorship Subcommittee)
- **Pam Keidel-Adams**,*† Kimley-Horn & Assoc. (Chair, AV010 and Co-chair, Sponsorship Subcommittee)
- **Jeff Borowiec**, Texas A&M Transportation Institute, The Texas A&M University System (Chair, AV020)
- **Tor Anderzen**,* HDL Engineering Consultants
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- **Denise Garcia**,* Massachusetts Department of Transportation, Aeronautics Division
- **Linda Howard**,† Aviation Planner
- **Rylan Juran**,* Minnesota Department of Transportation, Office of Aeronautics
- **Katrina Moss**,* Federal Aviation Administration
- **I. Richmond Nettey**,* Kent State University
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The symposium has been organized by the Transportation Research Board Committees on Aviation System Planning (AV020) and Intergovernmental Relations in Aviation (AV010) with the support of the Alaska Department of Transportation & Public Facilities and Ted Stevens Anchorage International Airport and administrative support from the Texas Transportation Institute, a member of The Texas A&M University System.

TRB Staff

Christine Gerencher, Senior Program Officer for Aviation & Environment