

Multimodal

Ashwin Patel
Genevieve Boehm-Clifton



Summary of Aero Sessions Attended

- ▶ Unmanned Aircraft Systems
- ▶ Stating the Initiative: Aviation Programs, funding, support, and Developments Among States
- ▶ Current Trends in Aviation System Planning, System performance and Resiliency
- ▶ Essential Elements for Airport Operations: Pavement Repair, Aircraft Arresting, and Anti-Icing

Unmanned Aircraft systems

- ▶ Focused on how UAS are currently used for various infrastructure monitoring/inspections
- ▶ Various Research efforts by FAA and States

Stating the Initiative: Aviation Programs, funding, Among States

- ▶ Traditional airport improvement programs from federal and state sources, including block grants, and identify reform where improvement can be made.
- ▶ Identify innovative state programs for airport and aviation development funded

Current Trends in Aviation System Planning

- ▶ Focused on current trends in aviation system planning with a particular focus on performance measures, system resilience, and disaster planning and preparedness.
- ▶ The primary purpose of airport system planning is to study the performance and interaction of an entire aviation system to understand the interrelationship of the member airports
- ▶ The airport system planning process should be consistent with state or regional goals for transportation, land use, and the environment.

Essential Elements for Airport Operations

- ▶ Focused on Pavement Repair, Friction, Marking, Aircraft Arresting, and Anti-Icing

Take Aways

- ▶ Use of NJDOT materials for General Aviation airports with design load less than 30,000 lbs for about 20% cost savings
- ▶ Add Airport Inventory and Capital Improvement Management Tool in next NJ state aviation system plan. The tool to be developed can be cloud based or website hosted with secure access for airport sponsors to their facility site and NJDOT staff to the entire database. Airport sponsors, their designated consultants and NJDOT will be able to update database information in real time.

Summary of Maritime Sessions Attended

- ▶ Where to Go with Transportation Taxes? Past evidence and future visions
- ▶ Emerging Technologies: The role of LIDAR and Unmanned Aerial Systems in supporting the transportation spatial information infrastructure
- ▶ Transportation Agency Data Governance and Open Data Efforts
- ▶ Freight Systems and Marine Transportation Work in Progress (Poster Session)
- ▶ Marine Safety and Human Factors Committee Meeting
- ▶ A Comparison of Existing and Potential Ferry Services in Norway, Australia and Washington DC
- ▶ Freight Day 1: Making Short Haul Intermodal Work
- ▶ Improving Ferry Operations and Planning with Digital Information

Take Aways

- ▶ Freight related presentations seemed a bit pedestrian compared to the work that NJ does in relation to the Port of New York & New Jersey as well as Delaware River ports
 - ▶ A TRB focus on large-scale marine highway initiatives would be of value; less academic analysis
- ▶ Use of LIDAR and Drones in transportation planning could also be well-represented by NJDOT
- ▶ Open data sharing efforts focused more on “how-to” and less on what really matter to OMR which is more of the Policy related implications
- ▶ Ferry presentations were of greater value and interest, in particular aspects of:
 - ▶ System integration
 - ▶ The importance of modern terminal services and how and why they matter
 - ▶ Development of multimodal terminals and the development of practical opportunities
- ▶ Use of data and technology in the build-out of the NYC Ferry service was educational and of interest
- ▶ Of most value was attendance at the Marine Committee meeting for information sharing, exchange of perspective and knowledge, and meet/greet
 - ▶ Management level perspectives and presentations would be a robust addition to the overall Program