

Aeronautical & Tech Services Update

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Section Chief

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Presentation Overview

- Airport Planning Updates
- BOA IT Initiatives
- Wisconsin Aviation System Plan/AEIS Update
- WisDOT AAM Initiatives
- Airport GIS Data
- BOA UAS Program
- Aviation Outreach



Airport Planning

- Planning is a key component for project readiness and leads to quicker delivery
 - Keeping ALPs up to date
 - Required for state and federal funding through Trans 55 and FAA Grant Assurances
 - Needs to be through OE/AAA with a determination letter to move forward
- Statewide Operations Data Collection
 - BOA will be soliciting in the coming months for a statewide ADS-B Operations Counters
 - This will be rolled out later in 2026



Planning Staff Augmentation Contracts

- In order to speed up planning projects BOA contracted with Mead & Hunt to augment our planning efforts conducting the following work:
 - ALP review/comments
 - Forecast reviews
 - Property map/Exhibit A reviews
 - Airport planning document updates



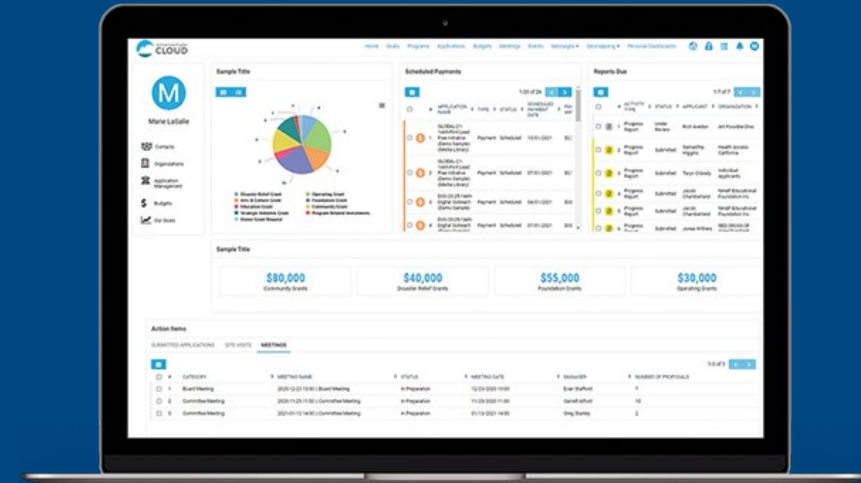
Homework for Airports

- Review your Airport Layout Plan
 - Does it show all existing conditions?
 - Are all the facilities (hangars, buildings, taxiways, etc.) accounted for on your ALP?
 - Identify everything that is outdated and let BOA know
- BOA is always happy to help you get your planning documents up to date



BOA IT Initiatives

- Development of a new system for project management
 - Working with WisDOT IT to develop system
 - System is planned to track process timelines and schedules
- Financial Management System through SmartSimple
 - Working with SmartSimple to develop a comprehensive financial management system
 - System will manage airport financial information from ACIP development to project closeout
- Implementation to take place in late 2026/early 2027



Wisconsin Airport System Plan

- Conducting a comprehensive State Aviation System Plan for Wisconsin
 - Pursuing a FAA Discretionary Grant
 - Work is planned to start in October with completion 18-24 months after work begins
- Study will include some of the following elements:
 - System infrastructure requirements
 - Airport classification/NPIAS classification recommendations review and update
 - Goals, objectives, and performance measures
 - Policy and funding recommendations



Wisconsin Aviation Economic Impact Study

- As part of the WASP WisDOT is including an Aviation Economic Impact Study
 - Inclusion of an AEIS in system planning is commonplace
- AEIS will include some of the following elements:
 - Enhanced airport stakeholder engagement
 - Data collection and analysis
 - Onsite Interviews
 - Surveys
 - WI Aviation Industry Case Studies
 - EAA AirVenture
 - Ag Aviation
 - Military Aviation



Wisconsin Electric Aircraft/AAM Study

- Charting a Path for Advanced Air Mobility in Wisconsin
 - *Advanced Air Mobility is coming soon*
 - *Planning is necessary to get Wisconsin Airports ready*
 - *The goal is a creation of a statewide roadmap for cohesive and logical implementation*
- Assess policy, infrastructure, and funding needs
- Identify economic impact of AAM implementation



What is AAM?

- Emerging aircraft technology using electric propulsion
- Operates at low altitudes for passenger and cargo transport
- Complements existing aviation and surface transportation
- National priority with FAA and USDOT leadership



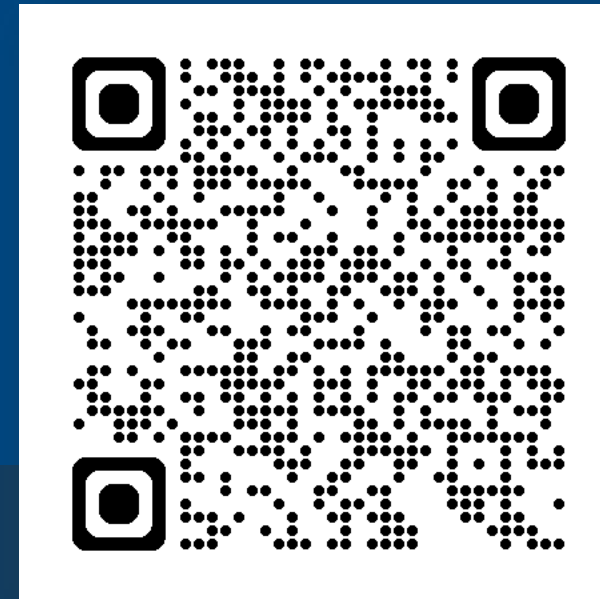
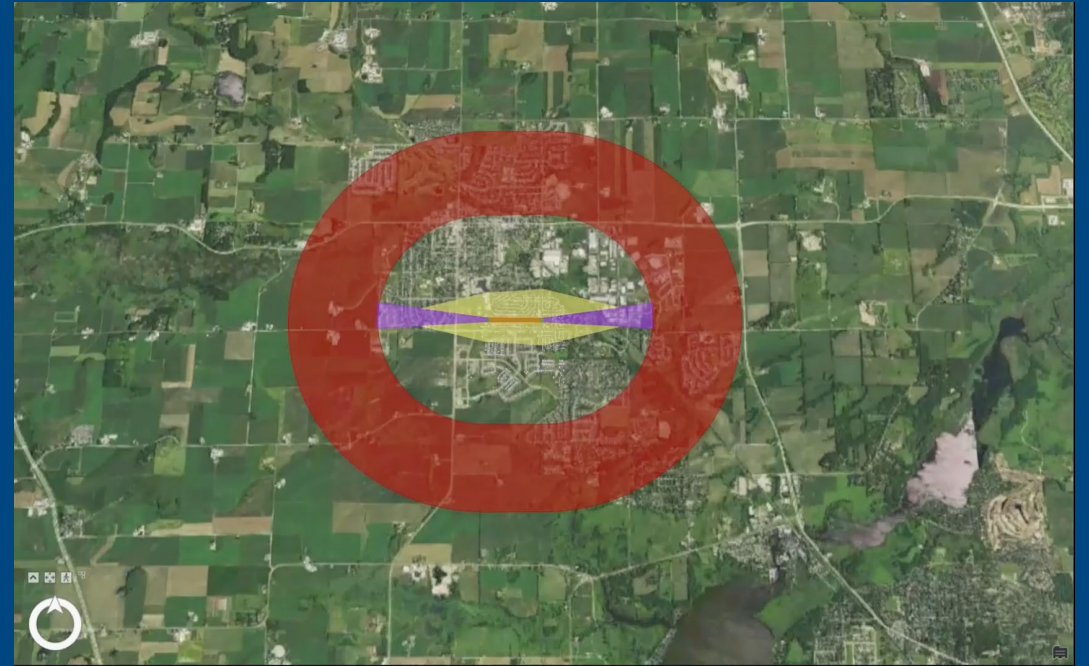
Goals from AAM Study

- Once the study is completed, we expect to have:
 - **Recommendations for state investments**
 - Identification of infrastructure needs/priorities
 - Identification of future planning needs
 - Potential funding sources for AAM infrastructure readiness projects
 - **Policy recommendations**
 - Policies to assist in smooth adoption of AAM
 - Creation of actionable steps for airports to be ready for AAM
 - **Interagency coordination**
 - Airport sponsors
 - Public utilities



Airport GIS Open Data

- Airport Reference Points (ARP)
- Wildlife hazard areas
- Runway centerlines
- Runway areas (polygons)
- WI Trans 57 Approaches
- Part 77 surfaces: New in 2025
 - All Statewide
 - Updated every 56 days
 - Following FAA ADIP data cycle
- Available for download or viewing



BOA Map Publications

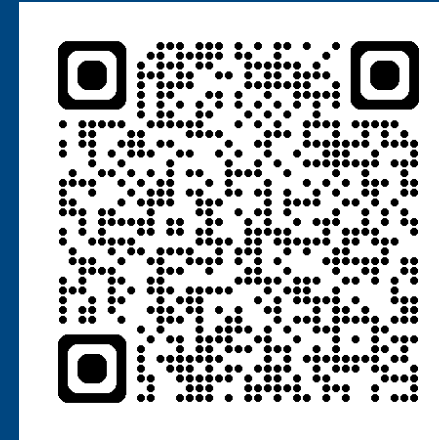
Wisconsin Airport Directory

- Order a free, 2025-2026 Directory



Wisconsin Aeronautical Chart

- 2026-2027 version will be available before AirVenture
- Order the current chart (free)




Drone Program Update

- Purchasing Quantum Systems Trinity Pro
 - Fixed wing VTOL drone
 - Will be able to conduct high quality photogrammetry work faster than with a quadcopter type drone
 - 90-minute flight capability
 - BOA will retain the Phantom 4 RTK for missions that require a quadcopter



Aviation Safety & Outreach


- First Responder Training
 - Partnership with MKE FSDO
 - Available to host training for local first responders on how to handle an aircraft accident
 - Five Events Planned for 2025
 - Reach out to Levi Eastlick with any questions
- Weekly FFAST Team Webinar Series
 - BOA is continuing to support weekly safety focused webinars Usually over 1,000 webinar weekly attendees from all over the country and the world
- 2026 Annual Aviation Maintenance Conference
 - Around 150 Total Attendees, 13 one-hour presentations, and 11 exhibitors
 - Working on plans for the 2026 conference




FAA Safety Team | Safer Skies Through Education
FAASTeam

sUAS Can I, Should I FLY A DRONE HERE?


FAAsafety.gov COURSE : ALC-712



 Presented by Sundance Media Group and Influential Drones



https://faasafety.gov/giaad/ALCcourse_content.aspx?cdID=712

 DronePro Webinar Series

UAS UNMANNED AIRCRAFT SYSTEMS

Presentation by Sundance Media Group
Sponsored by Influential Drones, FFAST Industry Member



Aviation Youth Education Programs

- ACE Program Updates
 - Historic wage increase for ACE Interns
 - New Program Coordinator
 - Valencia Caldwell was selected in early 2026
 - Currently recruiting 2026 ACE cohort
- SkillsUSA
 - Aviation Maintenance Competition
 - Drone Competition



Fly Wisconsin Passport Program

- The Fly Wisconsin Airport Passport program is quite popular!
 - Program that rewards pilots and passengers for flying into public-use airports in Wisconsin, as well as attending FAA safety seminars and visiting aviation attractions
 - There are now over 3,600 participants in the program
- 50+ people have completed since the program inception
 - Many more have completed the lower tier awards
 - Good way for pilots to get out and explore the state by air!



Photo: Rose Dorcey



Questions?

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