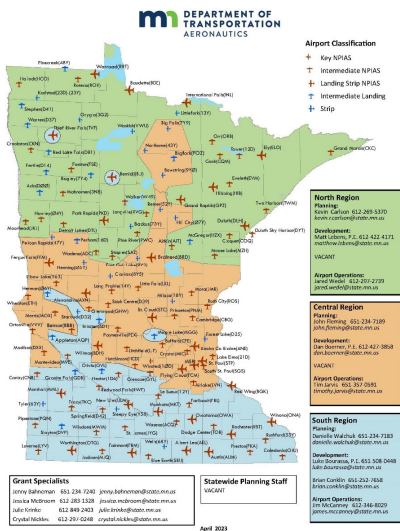


mn DEPARTMENT OF TRANSPORTATION AERONAUTICS

Minnesota Airports Conference 2023 – MnDOT Update

Ryan Gaug | Aeronautics Director

Conference “Office Hours”



Wednesday During Social Mixer

4:30 – 6:00 pm Aeronautics Leadership

Thursday During Exhibit Hall Breaks

10:30 – 11:00 am North Region Staff

2:00 – 2:30 pm Central Region Staff

3:30 – 4:00 pm South Region Staff

Agenda

Update: Workforce

Update: Navigation systems

MnSASP

Participation Rates

Grant Reimbursements

Grants Dashboard

MnDOT Project Selection Policy

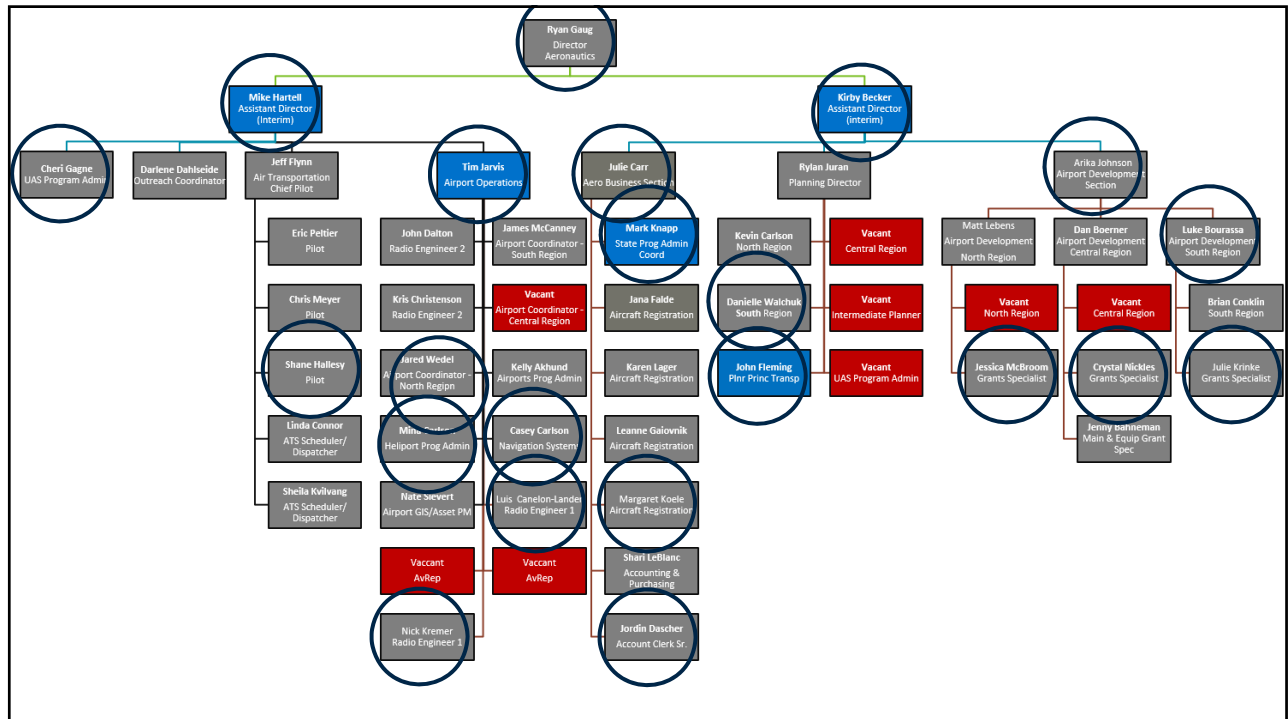
Bipartisan Infrastructure Law

Zoning Rules

Weather Cameras

Oshkosh

Legislative Update



See you on Thursday!

Updates from MnDOT's Aero Operations/Nav aids Group

4:00–5:00 p.m.

Hear how to prepare your airport for upgrading your nav aids, including how to start the process and what funding you will need to set aside for the project.

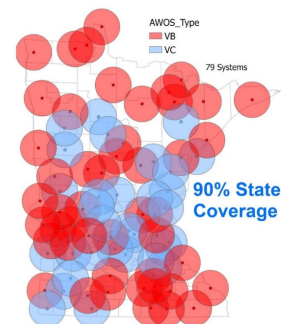
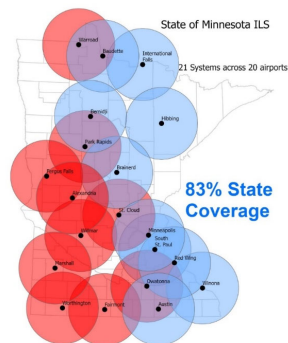
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Navigation Systems

- 79 Weather Stations
 - 46 have no replacement parts for critical sensors
- 21 Instrument Lighting Systems
 - 9 are old models with no available parts or factory support
- Without changes to funding, **red** systems could be offline within in 5 years



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Navigation System Accomplishments

- Two Radio Engineers onboarded
- Verification authority for multiple systems
 - AWOS, VOR, DME, MALSR/MALSF
- 5 AWOS stations have been replaced
 - 12 more in queue
- ILS and VOR/DME replacements in queue
- Governor Recommendation for \$15M



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Don't go anywhere!

Minnesota State Aviation System Plan (MnSASP) Update

3:30–4:30 p.m.

MnDOT completed its state aviation system plan in late 2022. As part of this effort, numerous follow-on studies were identified to help MnDOT achieve identified goals. One primary goal was to develop an updated project selection and prioritization model for state funding of airport projects.

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Project Prioritization

MNDOT AERONAUTICS STATE FUNDING PRIORITIZATION MODEL GUIDE



Per MNDOT's Project Selection Policy, MNDOT Aeronautics is updating state funding prioritization to be as objective, transparent, and data-driven as possible. This policy is intended to consider Minnesota GO recommendations and increase public understanding of MNDOT's project selection processes.

SEVEN CRITERIA ON A 100-POINT SCALE

60 Points - System Plan Alignment 40 Points - MNDOT Priorities

The prioritization model is only considering state-only funding requests for MNDOT-defined capital expenditures.

System Plan Alignment

MnSASP Objective	Criteria	Categories	Score
Open Decision-Making	Master Plan/ALP: Evaluates if the airport has an updated Master Plan/ALP following the MnSASP targets (by state classification) AND the project is included in the updated plan.	Updated ALP/Master Plan on file and project request is included in plan	10
		Airport has programmed ALP/Master Plan update or in process of updating ALP/Master Plan	5
		Inadequate ALP/Master Plan with no updates programmed	-5
Transportation Safety	Airspace Obstructions*: Evaluates if the airport's Part 77 surfaces are clear of obstructions per MNDOT's airport licensing requirements OR the airport has an obstruction clearing project request.	Submitted project will clear obstructions in Part 77 surfaces	10
		Airport has no obstructions in Part 77 surfaces	5
		Airport has at least one submitted obstruction clearing project to alleviate Part 77 obstructions	5
		Obstructions identified in Part 77 surfaces with no programmed fixes	-10
		Submitted project will acquire land designated as MNDOT clear zones per Clear Zone Policy	10
System Stewardship	Clear Zones*: Evaluates if MNDOT-defined clear zone are owned in 100 percent fee-simple or a MNDOT approved Clear Zone Acquisition Plan (CZAP) is on-file. This is per MNDOT's update to the Clear Zone Policy recommended by the 2022 MnSASP	Airport has 100% clear zone ownership or approved CZAP on-file	5
		Airport has at least one submitted land acquisition project for MNDOT Clear zones OR the airport is actively coordinating with MNDOT to file a CZAP	5
		Partially clear zone ownership without a CZAP on file and no programmed land acquisition or CZAP	-10
		Airport has an identified pavement condition deficiency (per MnSASP-defined system metric), and the project request will remediate this issue	20
		Airport has adequate pavement per MnSASP metric, and the project request is addressing other pavement issues	15
Healthy Communities	Work Type*: Evaluates if the project is remediation a pavement condition deficiency per MnSASP-defined system metric*, preserving other existing airport assets, or constructing new/widened infrastructure. Ultimately, MNDOT Aeronautics is prioritizing the preservation of existing assets rather than expansion.	Project request is constructing new facilities or expanding existing infrastructure	10
		Airport has an identified pavement condition deficiency (per MnSASP-defined system metric) with no programmed fix	-10
		Airport has adequate pavement per MnSASP metric, and the project request is addressing other pavement issues	15
Healthy Communities	Zoning*: Evaluates if the airport has proper zoning established and on-file with MNDOT Aeronautics or is in the process of establishing/updating zoning. This is evaluated as a MnSASP performance metric in the MnSASP Hub.	Airport has adequate zoning established and on-file per MNDOT requirements	10
		Airport is establishing or updating zoning to comply with MNDOT requirements	5
		Airport does not have adequate zoning and hasn't programmed a project to mitigate	-10

MNDOT Priorities

Criteria	Categories	Score
Airport Component: This is indicating where the project is being directed to at the airport, ranging from primary runway to unknown.	Primary Runway	20
	Taxiway Serving Primary Runway	18
	Secondary Runway	16
	Apron	14
	Taxiway Serving Secondary Runway	14
	Other Airfield Location	12
	Taxiway	10
	Terminal Building or Fuel Facilities	8
	Hanger	6
	Other Buildings	6
Licensing Compliance: This is evaluating whether the airport requesting state funds complies with all state licensing standards dictated in Rules (Minnesota Rules 8500.1600 Public Airport Licensing) OR has a project request to remediate a licensing deficiency	Project alleviates a state licensing deficiency	20
	Airport compliant with all state licensing standards	10
	State licensing deficiency identified, and another project alleviates deficiency	10
	N/A (Per 139 Airports)	10
Airport has state licensing deficiency and no programmed fix	-10	

*The indicated criteria are evaluated as MnSASP performance metrics. System and airport performance is measured and presented in two interactive dashboards included in the MnSASP Hub. <https://mnssp-metro-hub.argo.com/>

CIP

- Next week, we will communicate to all airport sponsors that CIP's may be updated due to new prioritization model
 - Likely open for month of May
- Actively working to replace existing CIP system
 - Will be seeking input on your CIP experiences and needs possibly as early as this summer

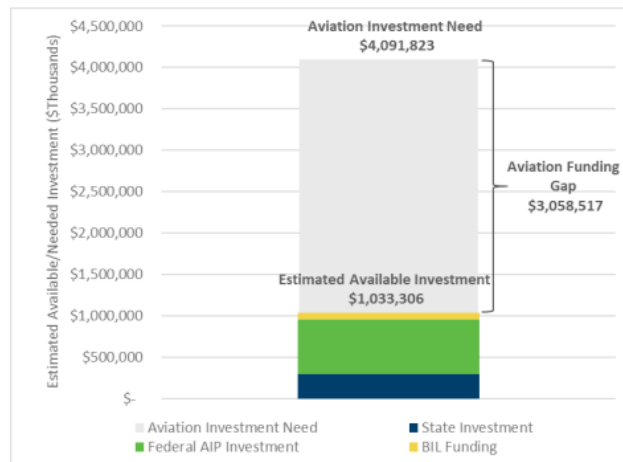
2022 MnSASP Next Steps

- Internal preparation for public comment period - May 2023
- Estimated public comment period to begin - June 2023
 - Public comment period will be 30 days (est. June – July 2023)
 - Review the plan at mnsasp.org
- Finalize plan based on feedback received during public comment period – est. July – August 2023
- MnDOT internal review and approval for plan adoption – est. August – September 2023
- Fall: MnSASP Implementation Sessions



\$3B Aviation Funding Gap through 2030

Figure 4.24. Minnesota Aviation Funding Gap by 2030



Sources: MnDOT Aeronautics, 2021; Kimley-Horn, 2022; FAA, 2022; MAC, 2022

Grant Reimbursement Process

MnDOT Aeronautics Drawdown Tracker								
Ident	Airport Name	Region	Payment			Date	Date	# Days
			Type	SP#	Date Receive	Processed	Completed	
MKT	Mankato	South	STATE	0701-117	1/6/2023			6
23D	Karlstad	North	STATE	3503-09	1/6/2023	1/11/2023		6
23D	Karlstad	North	STATE	3503-08	1/6/2023	1/11/2023		6
MJQ	Jackson	South	AIP	3201-73	1/6/2023			6
STC	St Cloud	Central	CRRSA	7301-C2	1/9/2023			3
DYT	Duluth Sky Harbor	North	CRRSA	6901A-C2	1/10/2023			2

- Nov 1 2023 began new process for tracking all Federal and State Credit Applications for reimbursement
- Roughly 300 reimbursements averaging ~24 days for payment.
- Factors that impact timeline include FAA approval, weekly schedule, appropriate documentation accompanying request, and status of the credit application (i.e., closeout, withholding).
- Reminder: include your airport's identifier code (IDENT) and the state project number which is found on the top of your credit application -- Example: HIB 6902-118.

Grant Dashboard

Regio	State/Fed	SP	Fed Proj. #	Agreement	Project Description	IDEN	Sponsor	Comments
S	S	6103-22	N/A	1032643	Airport Zoning Ordinance Update	D32	Starbuck	4/12-Rev'd copy will enter CA into ACE, not able to pay until amend is fully executed. 4/11 signed agreement rev'd & need to put into workflow once enc rev'd. 4/10-BC sent admen to sponsor for signature 4/4 - JAK sent email for copy of inv. 0234421, needs amendment & needs to be re-encum as expired 12/31/21
S	F	3701-58	3-27-0100-22-15	1032689	Reconstr. Aprons, Taxiways & Construct Perimeter Road	TVF	Thief River Falls	
S	F	3701-91	3-27-0100-23-19	1032729	Master Plan/ALP & Exhibit 'A' Update	TVF	Thief River Falls	
S	F	3701-92	3-27-0100-23-20	1044568	ARFF Truck & Test Cart	TVF	Thief River Falls	Received Draft 3/12/2022 - 3/6/23 waiting on Tracy @FAA response
S	F	3701-93M	3-27-0100-26-21	1048200	RUNWAY LIGHTING, Cargo Apron & Taxi Construction	TVF	Thief River Falls	4/21 Pmt #13 pending appr
S	S	3701-93	N/A	1035020	2022 Airfield Crack Seal & Joint Repair	TVF	Thief River Falls	
S	S	3701-97	N/A	1032833	Airport Zoning Update	TVF	Thief River Falls	
S	F	4204-27	3-27-0102-13-21	1048313	Rehabilitate Runway 11/29 & Taxiway pavement.	TRC	Tracy	Sent to FAA 1/6/2023
S	S	4204-28	N/A	1048359	AVIOS relocation	TRC	Tracy	
S	F	8101-30	3-27-0109-12-18	1032183	Remove Culvert & Replace with RCP	ACQ	Waseca	4/17-BC sent Final grant report to Nate Wiley. 3/30 - BC submitted Final prmt. Brian - 3/31 completed 10A/C form & returned amendment to workflow.
S	S	8101-31	N/A	1031099	Construct FBO Hangar	ACQ	Waseca	4/19 rev'd signed amend. 4/18-BC sent amend to sponsor. 4/12 BC sent email to sponsor to see if proj done.
S	S	8101-32	N/A	1032662	Airport Zoning Ordinance Update	ACQ	Waseca	Closed 4/17/2023
S	F	8101-34	3-27-0109-16-21	1048180	Hangar Design, Site Prep., Utility Constr.	ACQ	Waseca	
S	S	2209-13	N/A	1030907	Terminal (AD) Building and Maintenance Update	68Y	Wells	1.13.23 Taking final prmt - sent to sponsor for approval. sponsor approved 1.13.22
S	F	1701-39	3-27-0113-13-19	1035160	T-Hangar construction	MVM	Windom	4/13-Brian sent email and CO rpts to Megan. 4/12-BC will work on this per email and Kelly's request. 3/29 - BC will look at. Rec. copy of draft closeout report on 01/23/23 for MnDOT initial review.
S	F	1701-40	3-27-0113-14-20	1044689	Install New FAPls R/VY 17/35 & Update MRLs & Threshold Lights	MVM	Windom	3/28-BC will work on. BC put the draft copy of closeout report in the file on 10/14/22. Rec. signed closeout report on 12/19/22.
S	F	1701-42	3-27-0113-17-21	1048506	Pavement Maint. (Crack & Joint Seal) Apron & Taxiways + Hangar Access	MVM	Windom	3/29 - BC working on enc. signed closeout report on 12/19/22.

SFY 24 Rates Letter

- Participation rates are proposed remain unchanged from FY23
- Inclusion of minimum contract and min/max amendment thresholds for state funded projects
 - Based on staff hours to write, executed and manage
- Changes in rates for few sponsors/airports because of State Demographer estimates
- Inclusion of IIJA/BIL state match language – **contingent on legislative approval**

STATE GRANT, STATE SHARE

Project Type	NPIAS				NON-NPIAS			
	Sponsor Population Under 5000		Sponsor Population Over 5000		Sponsor Population Under 5000		Sponsor Population Over 5000	
	Existing FY 2022	New FY 2023	Existing FY 2022	New FY 2023	Existing FY 2022	New FY 2023	Existing FY 2022	New FY 2023
Construction, Planning, Zoning, Environmental, Land, Navigation Systems,	75%	75%	70%	70%	95%	95%	95%	95%
Air Service Marketing	70%	70%	70%	70%	70%	70%	70%	70%
M & O	75%	75%	75%	75%	75%	75%	75%	75%
Fuel Systems and Fuel Trucks	70%	70%	70%	70%	70%	70%	70%	70%
Equipment (requires justification)	75%	75%	70%	70%	90%	90%	85%	85%

FEDERAL AIP GRANT, STATE SHARE

Project Type	NPIAS			
	Sponsor Population Under 5000		Sponsor Population Over 5000	
	Existing FY 2022	New FY 2023	Existing FY 2022	New FY 2023
90% FAA Participation	5%	5%	5%	5%
95% FAA Participation	2.5%	2.5%	2.5%	2.5%



IIJA/Bipartisan Infrastructure Law

- Governor’s budget recommendations included \$26M for state matching
- If approved by legislature at that amount, proposing the following:
 - Matching would be at same rate as AIP for AIG and ATP (generally, 5%)
 - Where possible, will amend active grants to include the appropriate match
 - Where not possible, investigating if it would be possible to include “missed match” on future AIG companion grant

SFY25 Rates Letter Process

- Review historical funding data (spring/early summer 2023)
 - By year
 - By category
- Partner outreach/input (late summer/early fall 2023)
- Release of finalized rates (fall 2023)
 - In consideration of sponsors budgeting process and before projects are identified & included in CIP



Proposed Changes to Rules in 8800 (Zoning)

Timeline

1. Preparing for Governor's Office Review (Summer 2023)
2. Publish draft rules and request for comments (Fall/Winter of 2023)
3. Determine if public hearing is required (> 25 requests for public hearing received)

Highlight of proposed changes

- Change Established Residential Neighborhoods to Existing Land Use under 8800.2400
 - Applies to all land uses, not just single-family residential.
- Zoning shapes remain the same, but the lengths are capped
 - Proposed 6,000' cap = 4,000' Zone A and 2,000' Zone B
- Clarifying Zone A restrictions in 8800.2400
 - E.g. Roads are permitted, occupiable buildings are prohibited
- Formalizing Clear Zone policy and procedure under 8800.2500

EAA AirVenture 2023 – Oshkosh, WI July 24-20, 2023

Bluffs to the
Boundary Waters,
FLY MN



We are looking for partners!

- MnDOT provides wrist band and booth space
- Volunteers work shifts in the booth and can promote aviation and their airport

See Darlene at the MnDOT Aeronautics booth for more information.

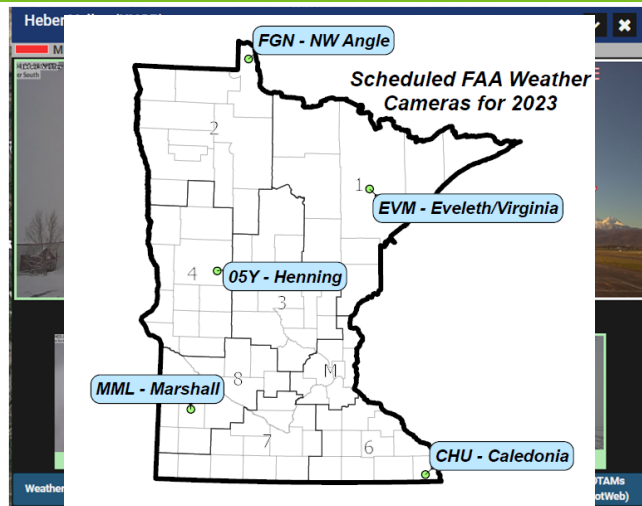
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Bluffs to the
Boundary Waters,
FLY MN



New to MN: Weather Camera's at our airports

- Airports scheduled for Summer/Fall 2023
 - Eveleth Virginia
 - Marshall
 - Henning
 - Caledonia
 - Oak Island - NW Angle
- Four camera directions at a site
- Latest image is 2.5 minutes old
- <https://weathercams.faa.gov> for more information



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Legislative Update

	House	Senate
Base Appropriation	\$18.598M / \$6.69M – State Airports Fund	\$18.598M / \$6.69M – State Airports Fund
IJA/BIL matching	\$26M – General Fund	\$26M – General Fund
Navigation Systems Modernization	\$15M – General Fund	\$15M – State Airports Fund (Surplus)
Utility Aircraft	\$7M – General Fund	\$7M – General Fund

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DEPARTMENT OF TRANSPORTATION AERONAUTICS

Airport Classification

- Key NPAS
- Intermediate NPAS
- Landing Strip NPAS
- Intermediate Landing
- Strip

North Region

Planning: Matt Collins, 612.285.5370
Development: Matt Collins, P.E., 612.822.4171
Airport Operations: Greg Hines, 612.262.2777

Central Region

Planning: John Whiting, 612.234.7169
Development: Sam Bennett, P.E., 612.821.0504
Airport Operations: Tim Lutz, 612.397.0385

South Region

Planning: David Wiegand, 612.234.7183
Development: John Gouras, P.E., 612.308.0408
Airport Operations: Brian Corbin, 612.262.7616

Grant Specialists

Steve Johnson, 612.281.7382
Mike A. Johnson, 612.281.1228
John Krinke, 612.892.2492
Cynthia Babin, 612.261.0288

Statewide Planning Staff

VACANT

April 2023

Wednesday During Social Mixer

4:30 – 6:00 pm Aeronautics Leadership

Thursday During Exhibit Hall Breaks

10:30 – 11:00 am North Region Staff

2:00 – 2:30 pm Central Region Staff

3:30 – 4:00 pm South Region Staff

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