Stakeholder Advisory Panel

2040 Long-Term Comprehensive Plan (LTP) Update Flying Cloud Airport (FCM)

January 28, 2025



Welcome Remarks



Joe Harris

Metropolitan Airports Commission (MAC) Director, Reliever Airports



2

Agenda

- Goals, Objectives, and Project Schedule
- FAA Coordination
- Long-Term Plan Review
- Preferred Alternative
- Noise Analysis
- Project Implementation and Next Steps

Meeting Agenda and Presentation are available at:

metroairports.org/fcm-long-term-plan-documents-and-links



Goals, Objectives, and Project Schedule



Goals and Objectives

- 1. Enhance airport safety
- 2. Preserve and, if possible, improve operational capabilities for the current aircraft using the airport
- 3. Promote financial stability of the MAC Reliever Airport system by exploring revenue opportunities for aeronautical and non-aeronautical development



Review of SAP meetings

- SAP #1 April 2022 Existing Conditions + Forecast Preview
- SAP #2 October 2022 Noise Primer + Requirements
- SAP #3 May 2023 Airfield Alternatives
- SAP #4 November 2023 Preview of Preliminary Draft Preferred Plan
- SAP #5 January 2025 Preferred Plan + Implementation



Evolution of the Long-Term Plan

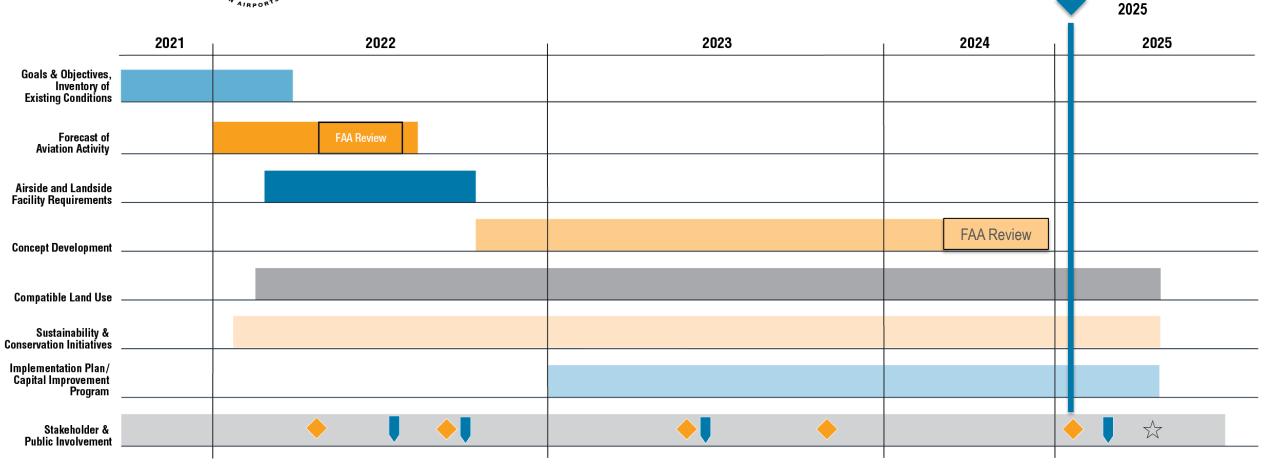
- Identified need to upgrade Runway 10R-28L to C-II safety standards
- Forecast approved by the FAA in January 2023
 - Slow growth in overall aircraft operations
 - Increase in small jet operations offset by decrease in single engine operations
- Tenants voiced need for hangar development areas
- Runway alternatives discussion resulted in EMAS both ends alternative
- Other airfield enhancements and support facilities identified
- Extensive coordination with FAA regarding Taxiway A extension to 10R
- Individual projects and cost estimates developed from preferred alternative





Metropolitan Airports Commission (MAC) Flying Cloud Airport (FCM)

2040 Long-Term Plan (LTP) Schedule



🔶 Stakeholder Advisory Panel (SAP) Meeting 🚦 Public Open House 🛛 🛣 Metropolitan Council Review

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Updated January 2025

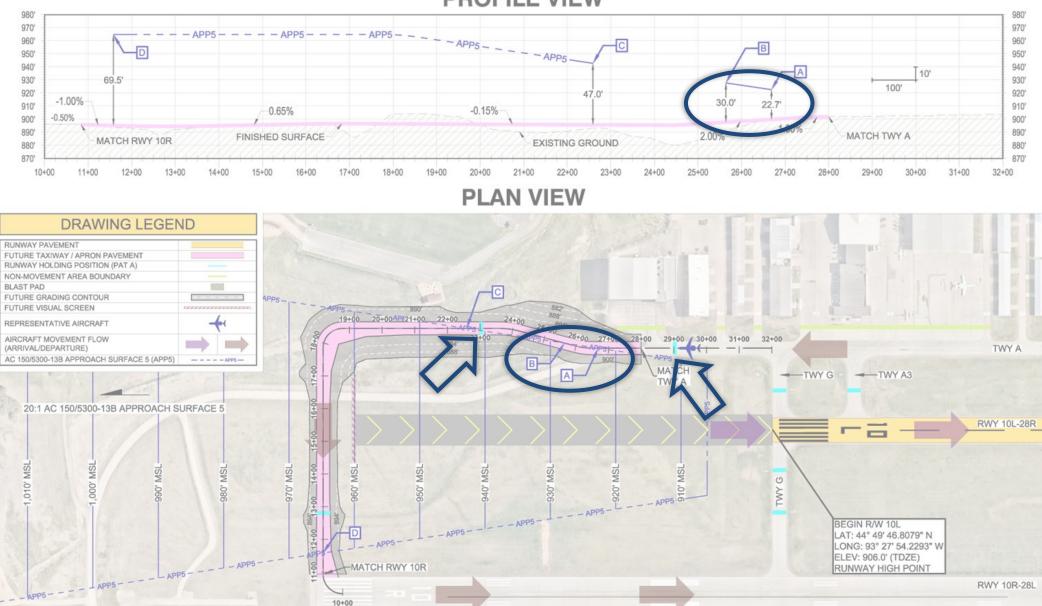
FAA Coordination





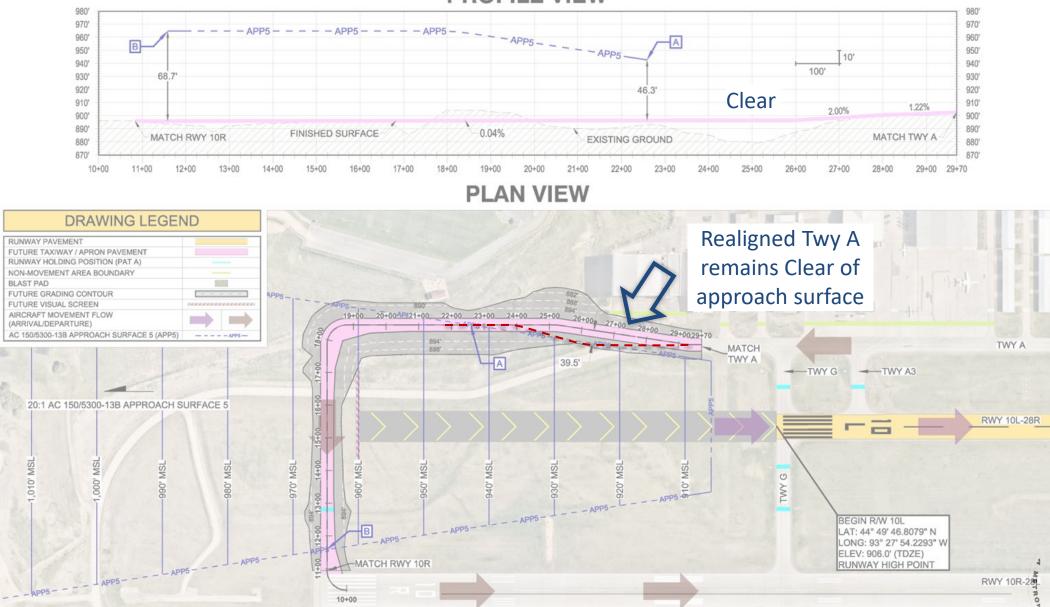
Taxiway A – Initially Preferred Alternative

PROFILE VIEW

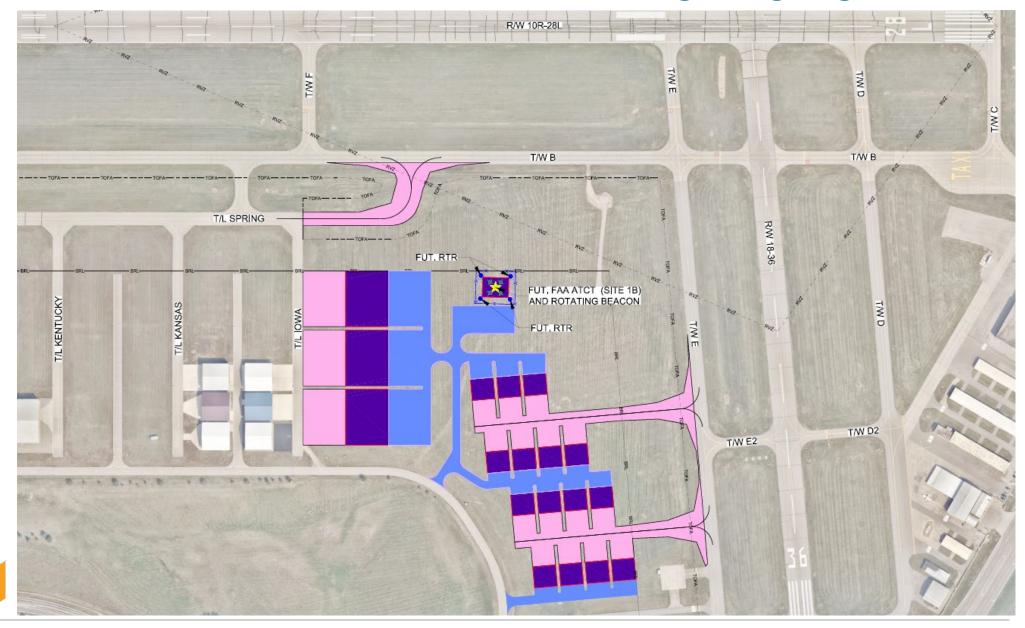


Taxiway A – Revised Preferred Alternative

PROFILE VIEW



ATCT Relocation – FAA Site Design Ongoing

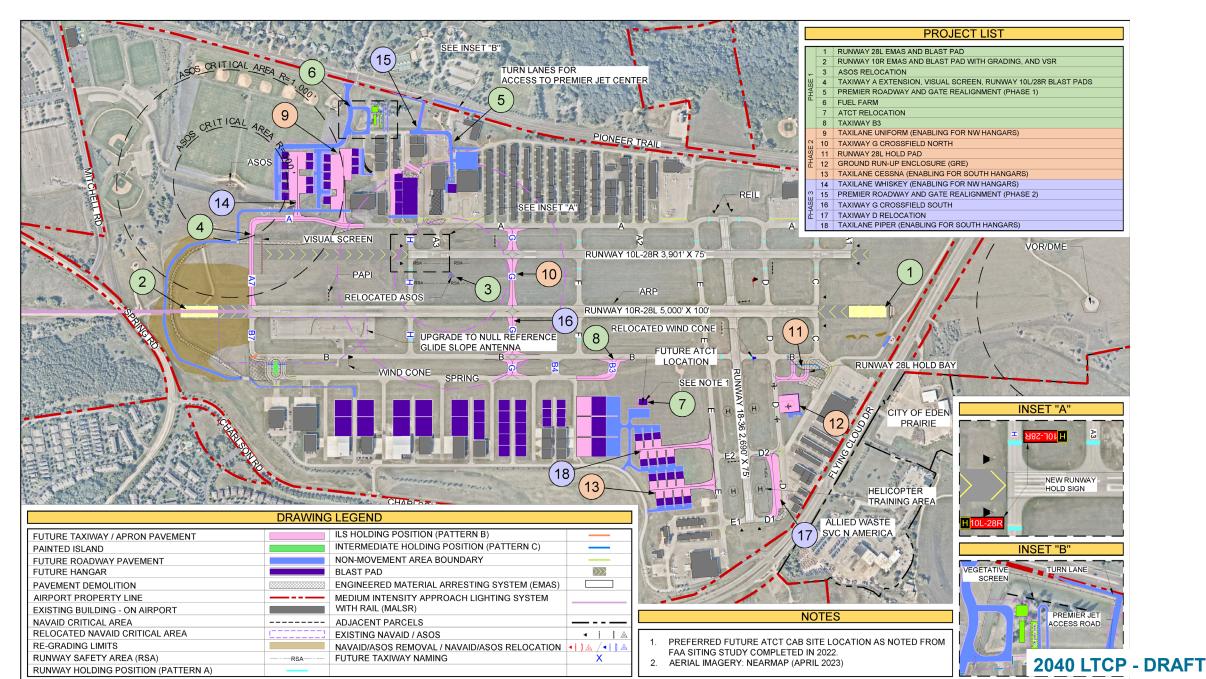


Preferred Development Alternative

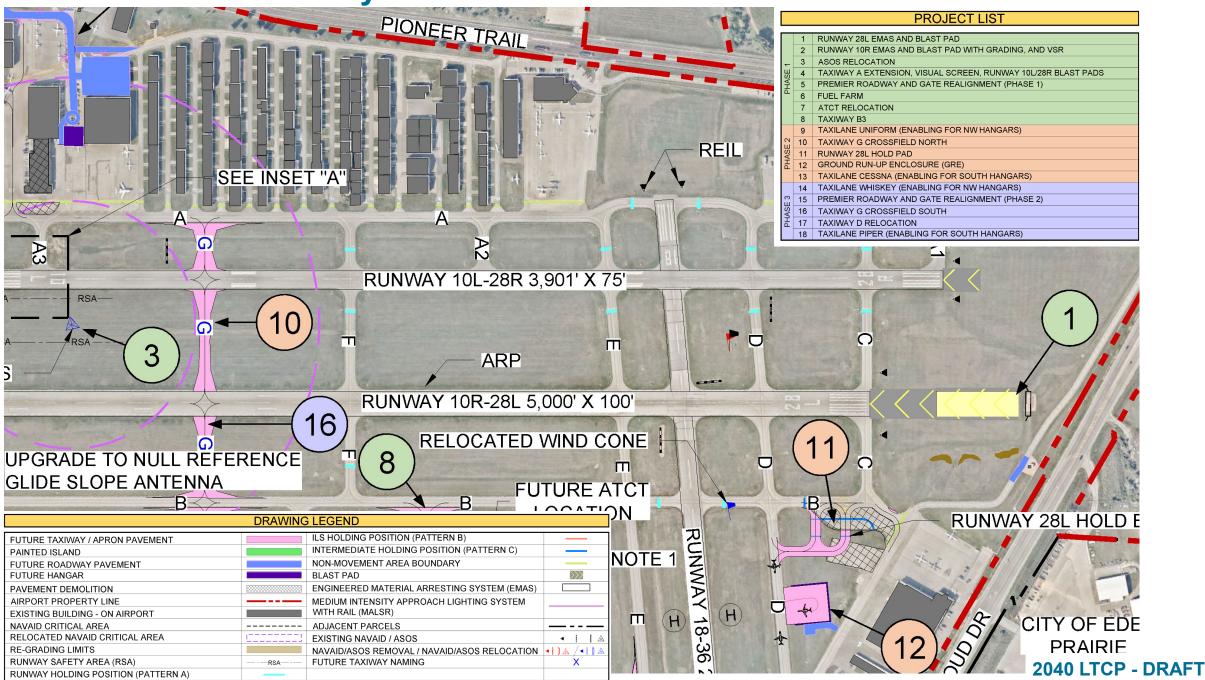




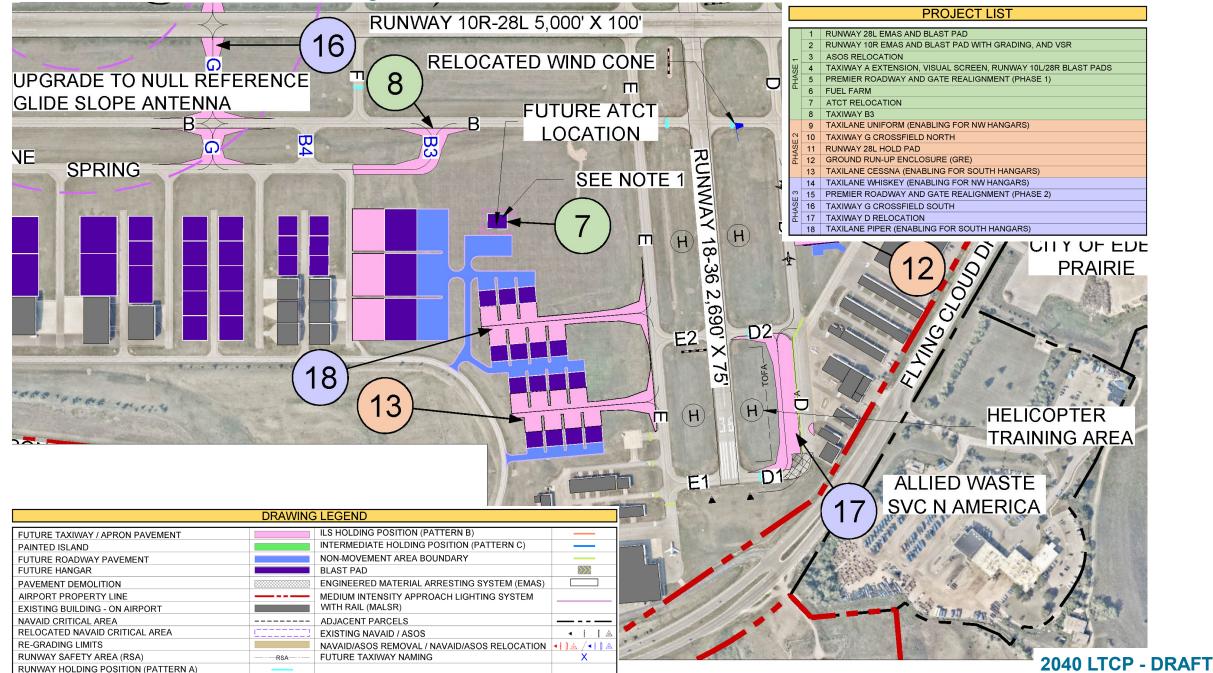
Preferred Alternative – Overall



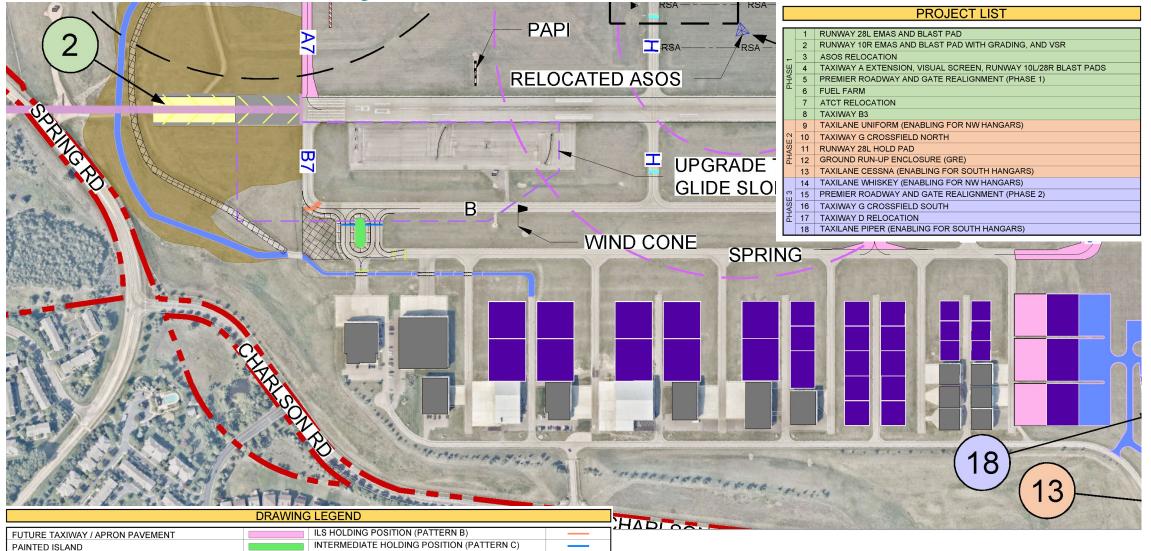
Preliminary Draft Preferred Alternative – Northeast



Preliminary Draft Preferred Alternative – Southeast



Preliminary Draft Preferred Alternative – Southwest



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NON-MOVEMENT AREA BOUNDARY

ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS)

NAVAID/ASOS REMOVAL / NAVAID/ASOS RELOCATION

MEDIUM INTENSITY APPROACH LIGHTING SYSTEM

BLAST PAD

RSA

WITH RAIL (MALSR)

ADJACENT PARCELS

EXISTING NAVAID / ASOS

FUTURE TAXIWAY NAMING

FUTURE ROADWAY PAVEMENT

EXISTING BUILDING - ON AIRPORT NAVAID CRITICAL AREA

RUNWAY SAFETY AREA (RSA)

RELOCATED NAVAID CRITICAL AREA

RUNWAY HOLDING POSITION (PATTERN A)

PAVEMENT DEMOLITION AIRPORT PROPERTY LINE

FUTURE HANGAR

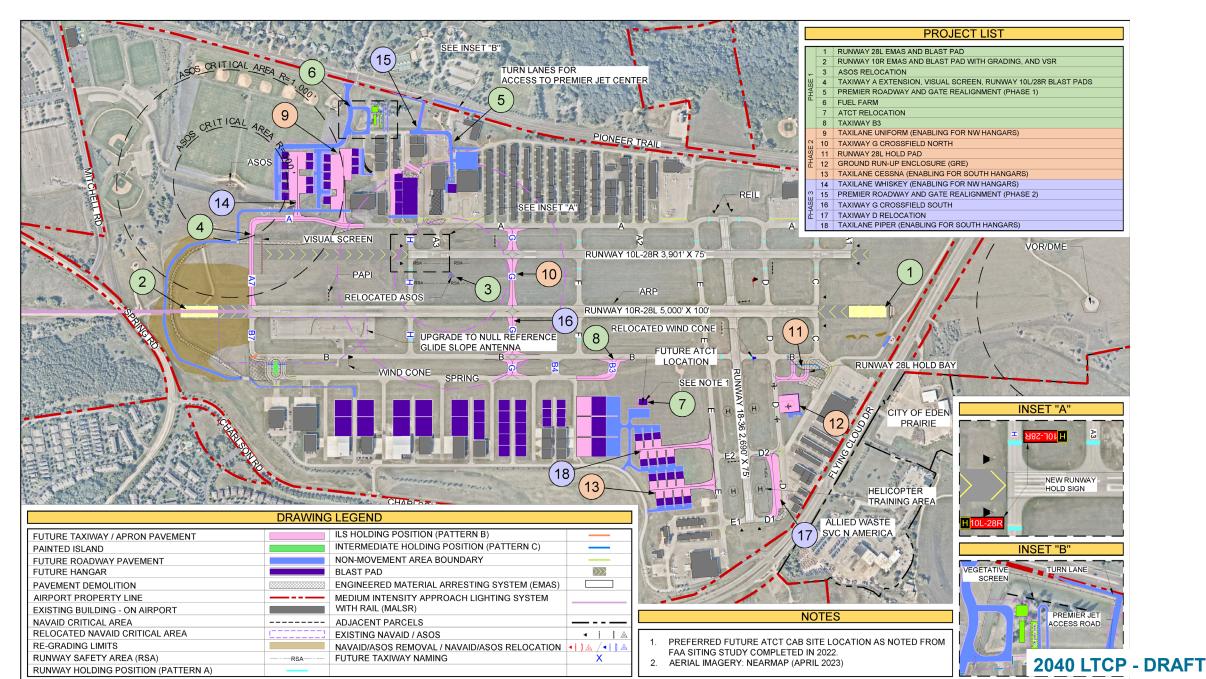
RE-GRADING LIMITS

2040 LTCP - DRAFT

Preliminary Draft Preferred Alternative – Northwest

	SEE IN	PROJECT LIST
	SEE IN	
		1 RUNWAY 28L EMAS AND BLAST PAD
ASOS CRITICAL		2 RUNWAY 10R EMAS AND BLAST PAD WITH GRADING, AND VSR
. cD5	AREA R. (6)	3 ASOS RELOCATION Image: Wight and the second
ADD	PR O	5 PREMIER ROADWAY AND GATE REALIGNMENT (PHASE 1)
		6 FUEL FARM
		7 ATCT RELOCATION
	.000.	8 TAXIWAY B3
		9 TAXILANE UNIFORM (ENABLING FOR NW HANGARS)
		№ 10 TAXIWAY G CROSSFIELD NORTH 𝒱 11 RUNWAY 28L HOLD PAD
		T ROUWAL 20LINOLD FAD
ITICAL		13 TAXILANE CESSNA (ENABLING FOR SOUTH HANGARS)
505 CRITICAL		14 TAXILANE WHISKEY (ENABLING FOR NW HANGARS)
		15 PREMIER ROADWAY AND GATE REALIGNMENT (PHASE 2)
07		16 TAXIWAY G CROSSFIELD SOUTH
5		17 TAXIWAY D RELOCATION
Y		18 TAXILANE PIPER (ENABLING FOR SOUTH HANGARS)
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PAINTED ISLAND	INTERMEDIATE HOLDING POSITION (PATTERN C)	
FUTURE ROADWAY PAVEMENT	NON-MOVEMENT AREA BOUNDARY DASOS	
FUTURE HANGAR	BLAST PAD	nandersamenter (Maria and Maria
PAVEMENT DEMOLITION	ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS)	RUNWAY 10
EXISTING BUILDING - ON AIRPORT	WITH RAIL (MALSR)	
	ADJACENT PARCELS	
RELOCATED NAVAID CRITICAL AREA		TO NULL RÉFERENCE (8)
RE-GRADING LIMITS RUNWAY SAFETY AREA (RSA)RSA		
RUNWAY HOLDING POSITION (PATTERN A)		

Preferred Alternative – Overall



Rough Order of Magnitude (ROM) Cost Estimates

- Costs are based on 2024
 dollars with no escalation
- Project list is an estimate of preference
 - Not all projects will be constructed
- Timing is subject to change
 - Funding, environmental efforts, integration with other reliever airport timing
- Project scope may change
 based on environmental review
 - Additional opportunity for public comment

Project No.	Description	Cost
	Phase 1 Projects (0 – 5 years)	
1	28L EMAS and Blast Pad	\$20,925,433
2	10R EMAS and Blast Pad; West Grading: VSR Relocation	\$42,497,637
3	ASOS Relocation	\$977,791
4	Taxiway Alpha Extension	\$9,570,711
5	Premier Roadway and Gate Alignment (Phase 1)	\$4,892,945
6	Fuel Farm (Alternative 1)	\$5,773,608
7	ATCT Relocation	\$2,236,203
8	Taxiway B2	\$1,782,475
	Phase 2 Projects (6 – 10 years)	
9	Taxilane Uniform (enabling for NW hangars)	\$10,126,432
10	Taxiway G North (Crossfield)	\$2,486,407
11	Runway 27L Hold Pad	\$1,540,706
12	Ground Run-Up Enclosure	\$7,885,657
13	Taxilane Cessna (enabling for South hangars)	\$4,004,375
	Phase 3 Projects (11 – 20 years)	
14	Taxilane Whiskey (enabling for NW hangars)	\$4,118,089
15	Premier Roadway and Gate Alignment (Phase 2)	\$2,682,356
16	Taxiway G South (Crossfield)	\$2,496,665
17	Taxiway D Relocation	\$2,582,833
18	Taxilane Piper (enabling for South hangars)	\$7,990,787
	Total ROM costs	\$134,571,109

Source: HNTB cost estimates Note: Costs are presented in \$2024 with no future escalation applied

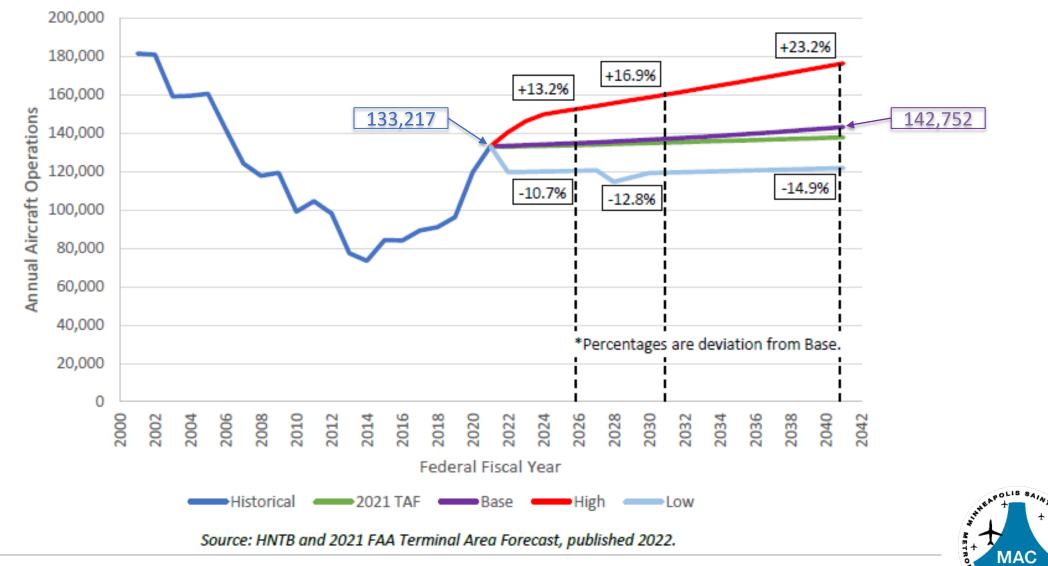


Noise Analysis

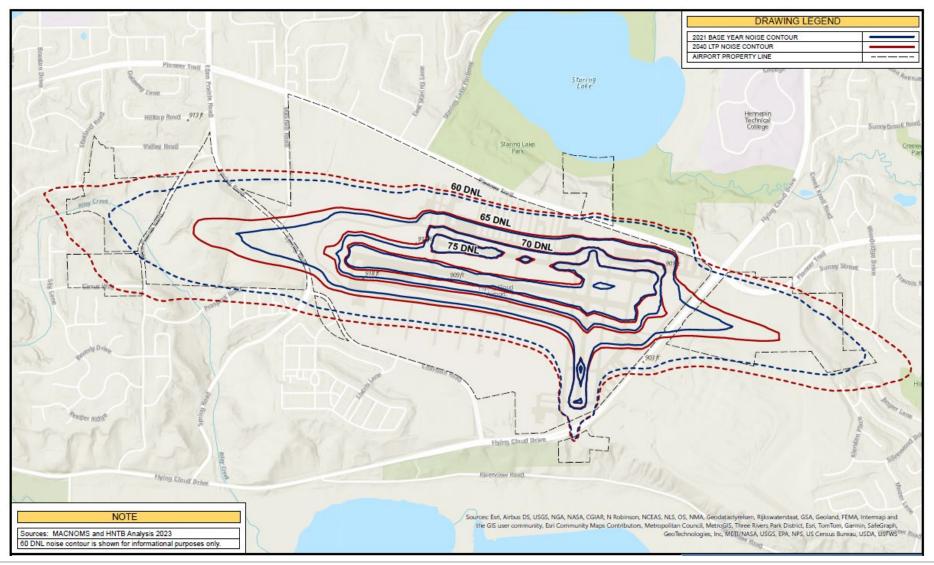




Annual Aircraft Operations Forecast



Understanding Future Airport Noise





Voluntary Noise Abatement at FCM

- MAC maintains a Noise Abatement Plan for FCM – Fly Neighborly
 - Preferential Runway Use
 - Southbound turns after departure
 - Noise Abatement departure and approach procedures
 - Maintenance runups
 - Helicopter training
 - Voluntary nighttime restrictions
 - Pilot outreach





Project Implementation and Next Steps



Key Steps Required for Project Implementation

Final Stakeholder Advisory Panel (SAP) Meeting January 28, 2025.

Public comment period on the LTP report February – March 2025.

MAC determines project funding from available funding sources.

Stakeholder Input

Public Meeting

FAA ALP Review

MAC submits proposed projects to the FAA via a draft Airport Layout Plan (ALP).

MAC hosts final Discover Flying Cloud public meeting March 4 (4:30PM – 6:30PM).

Public Comment

Incorporate Feedback

Comments are addressed; Changes are made as required.

Met Council Review

Metropolitan Council reviews and provides consistency review determination.

Project Funding

Environmental

MAC completes NEPA environmental review process based on project requirements.

Construction

Design and Construction to advance.



Thank you for participating! 2040 Long-Term Plan (LTP) Update Flying Cloud Airport (FCM)

Please complete the post-event survey



January 28, 2025



