



ALBANY
INTERNATIONAL AIRPORT



Airport Master Plan Update

Technical Advisory Committee (TAC)

Meeting #3

June 8, 2023

1:00 PM

www.ALB-Master-Plan.com

AGENDA

Opening Remarks

Overview / Upcoming Meetings

Forecast Summary

Facility Requirements

Development Alternatives

Next Steps

LIST OF PRESENTERS

Philip Calderone, Esq.

Chief Executive Officer – Albany County Airport Authority

Connor Haskin

Airport Planner – Albany County Airport Authority

Kelly Melaragno

Senior Project Manager – CHA Consulting

Paul McDonnell

Chief Planner – CHA Consulting

Calvin Kuang

Airport Planner – CHA Consulting





Master Plan Overview

- Guides Development & Modernization
- Follows FAA Guidance & Standards
- Support Future Aviation Demand
- Covers 5, 10, & 20-year Horizons
- Updated Every 10 Years (Recommended)
- *Required by FAA*

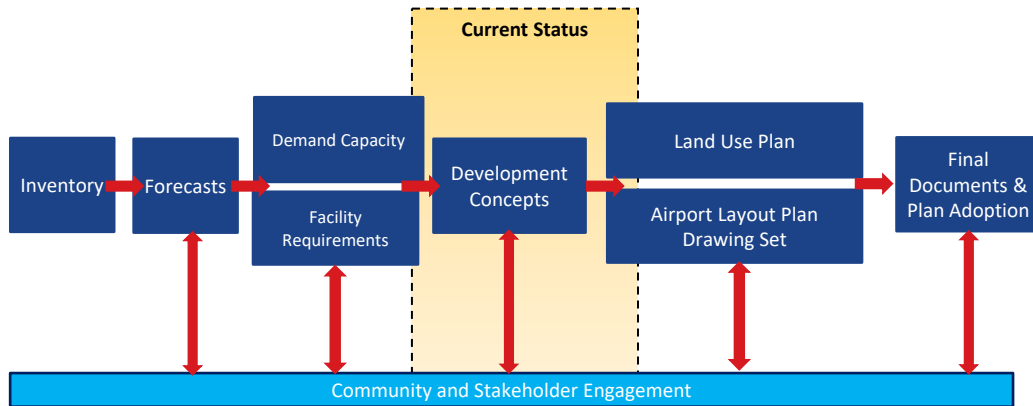
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2022



Master Plan Overview





Public Information Session

Tuesday – June 20, 2023

3 Winners Circle (CHA Office)



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Public Information Session

Tuesday – June 20, 2023

- Location - CHA 3 Winners Circle Office
 - Meeting Room is Welcoming
 - Ample & Easy Parking
 - Water, Soda & Coffee
- Open House Format: Stations Staffed by CHA Team
 - Master Plan Purpose & Process
 - Passenger Terminal Needs & Concepts
 - Airfield / Support Facilities Needs & Concepts
- Comment Station (Email & Comment Cards, Note Taker)
- Airport Staff Present



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Public Meeting Outreach

Public Meeting Flyer

**Public Information Open House
Albany International Airport
Master Plan Update**

Your insight on the future of Albany International Airport is needed!

The Albany International Airport is developing a Master Plan Update to support growth and guide airport improvement to meet existing and future needs of Airport users over a 20-year planning period.

Attend the Public Information Session
Please attend the information session to learn more about the ongoing Airport Master Plan Update. You will have an opportunity to provide feedback on the Draft Plan that will guide future Airport Development.

Thursday, June 20, 2023, 5 – 7 PM
3 Winners Circle
Albany (Colonie), NY 12205

Stay Connected Online: www.ALB-Master-Plan.com

On the website, share your input, join the mailing list, and stay up to date with the Plan process and documents.

Social Media Post

Albany Airport @AlbanyAirport · Mar 15

We need your input! Join @AlbanyAirport for a Master Plan Update and Public Information Meeting on June 20, 5-7 PM, at 3 Winners Circle, Albany, NY. Help guide future airport improvements to meet the needs of the Capital Region. Find more information at ALB-Master-Plan.com

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Forecast Summary/FAA Approval

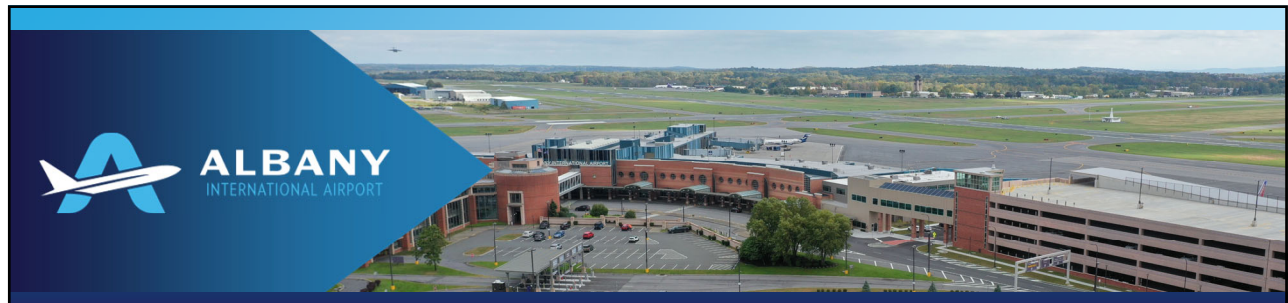
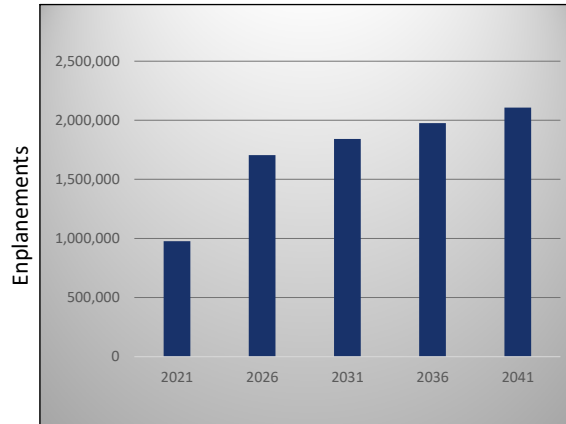




Forecast Summary (FAA Approved)

Year	Enplanements
2019	1,492,305
2021	976,037
2022	1,270,086
2026	1,704,000
2031	1,841,000
2036	1,975,000
2041	2,107,000

1 Enplanement = 1 Passenger Boarding



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Facility Requirements





Airfield Facility Requirements

Airfield Requirement	Adequacy (20 years)	Notes
Airfield Capacity	Adequate	Remains <50% throughout planning period
Number of Runways / Wind Coverage	Two; 99%	Both Runways needed for wind coverage
Runway Length, Strength & Width	Adequate	8,500' is adequate (Existing & Future)
Taxiway Width	Adequate	75' satisfies requirements
Full Parallel Taxiways	Deficit	Consider Runway 1-19 eastside taxiway
Airfield Lighting	Adequate	High Intensity, Touchdown Zone, Centerline
Approach Lighting	Adequate	MALSR (with Special Auth.) or ALSF-II
Navigation Aids	Adequate	ILS, RNAV, VOR, PAPI, REILS
Hot Spots (Potential Risk Location)	None	ALB has no identified FAA hotspots
Airspace Obstructions	Trees / Hills	Regular maintenance required



Terminal Facility Requirements

Terminal Requirement	Existing	Short Term	Long Term
Check-In-Hall positions (with common use)	30	30	33
Security Screening Area (with current project)	4,103 SF	11,100 SF	12,044 SF
Outbound Baggage Conveyance/Screening	Separate	In-line	In-Line
Gates (with reconfiguration/common use)	14	16	16
Concessions	25,900 SF	25,900 SF	37,911 SF
Baggage Claim Devices	3	3	4
Vehicle Parking Spaces	7,031	8,628	9,874

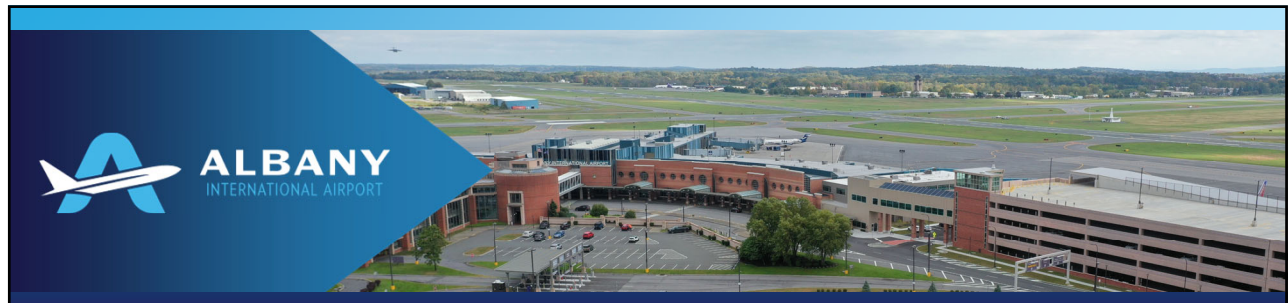


Support Facility Requirements

Support Facility	Notes
Fixed Base Operator (FBO)	Hangar storage deficiency (60,000 SF)
Maintenance, Repair, and Overhaul (MRO)	Cannot accommodate future fleet mix dimensions
Aircraft Rescue & Firefighting (ARFF)	Outdated facilities & Undersized
Snow Removal Equipment (SRE)	SREs currently stored outside
Fuel Farm Capacity	Expand Storage Capacity 25% – 35%
Air Traffic Control Tower (ATCT)	Cab height requires routine tree clearing



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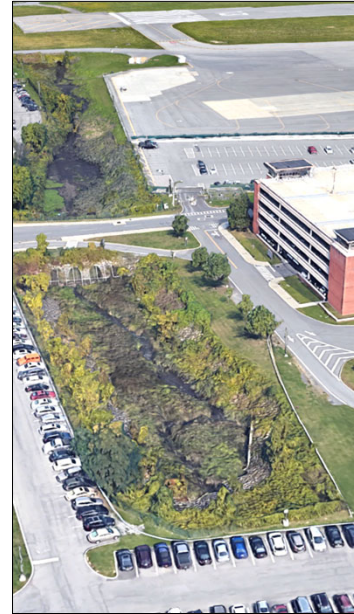


Environmental Overview



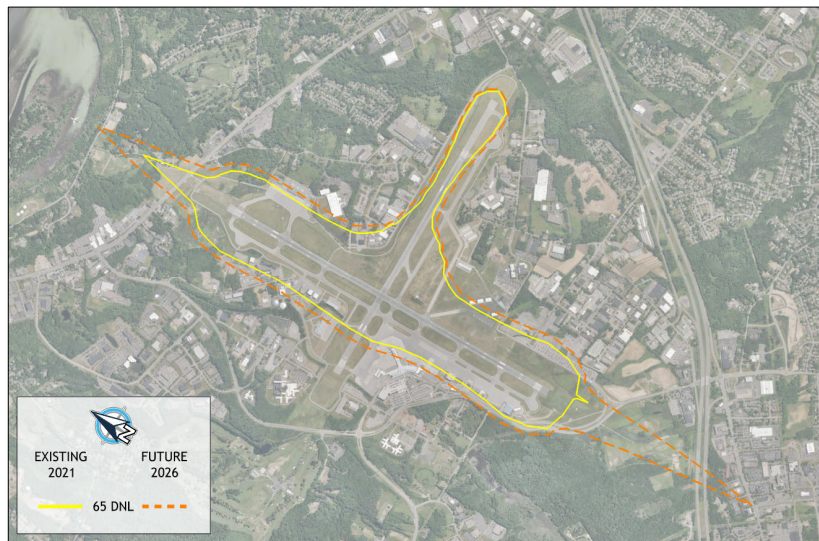
Resources/Ecology

- **Terminal Building Development Considerations:**
 - **Historic Resources:** The terminal is within the *Watervliet Shaker Historic District*, coordination is required
- **Airfield Development Considerations:**
 - **Shaker Creek:** The 100-year floodplain - avoid or mitigate impacts
 - **Wetlands:** New developments will likely have impacts & require permits
 - **Stormwater:** New impervious areas may require substantial storm drainage improvements



Airport Noise

- 2021 Operations still experiencing effects of COVID
- 2026 Forecast Operations (2 homes within impact area)





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Ongoing Projects

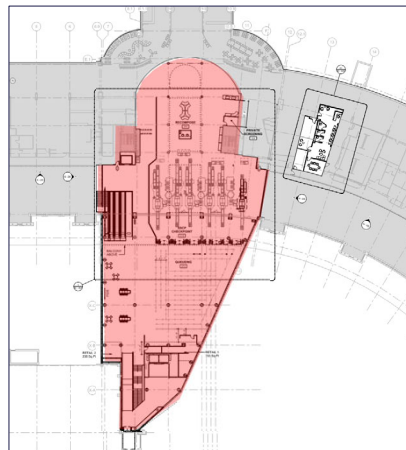


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Security Checkpoint Expansion



- Address existing congestion during peak hours
- Current status: **Under Design**
- Construction: **2023-2025**

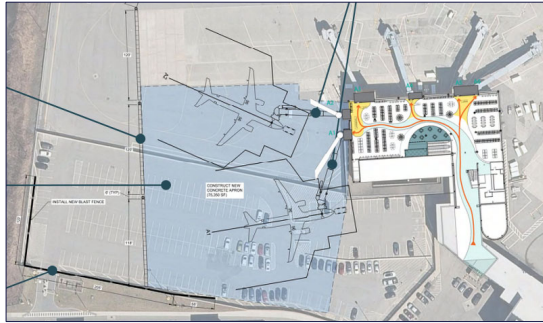


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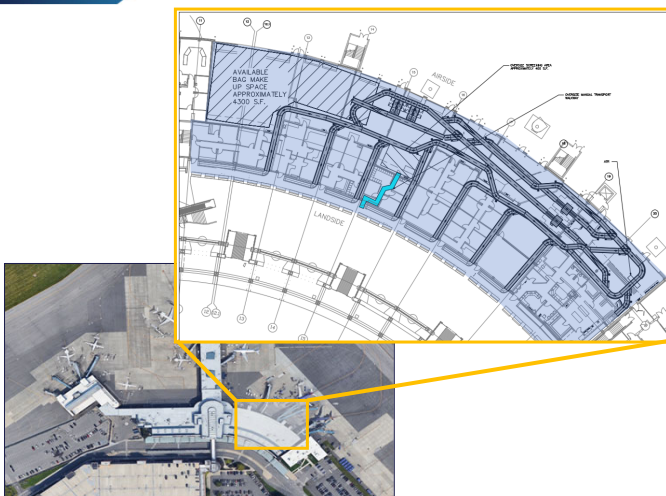
Concourse A Renovation



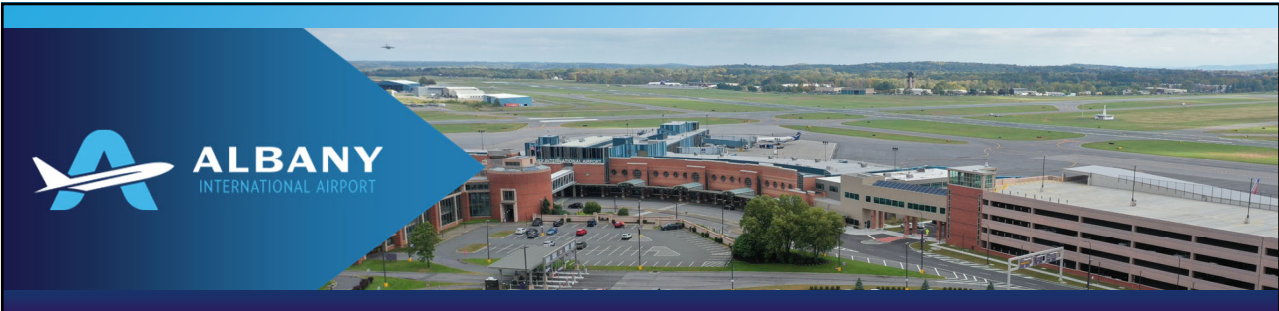
- Provides two additional gates on Concourse Level
- Improve interior holdroom layout

• Current status: **Under Design**

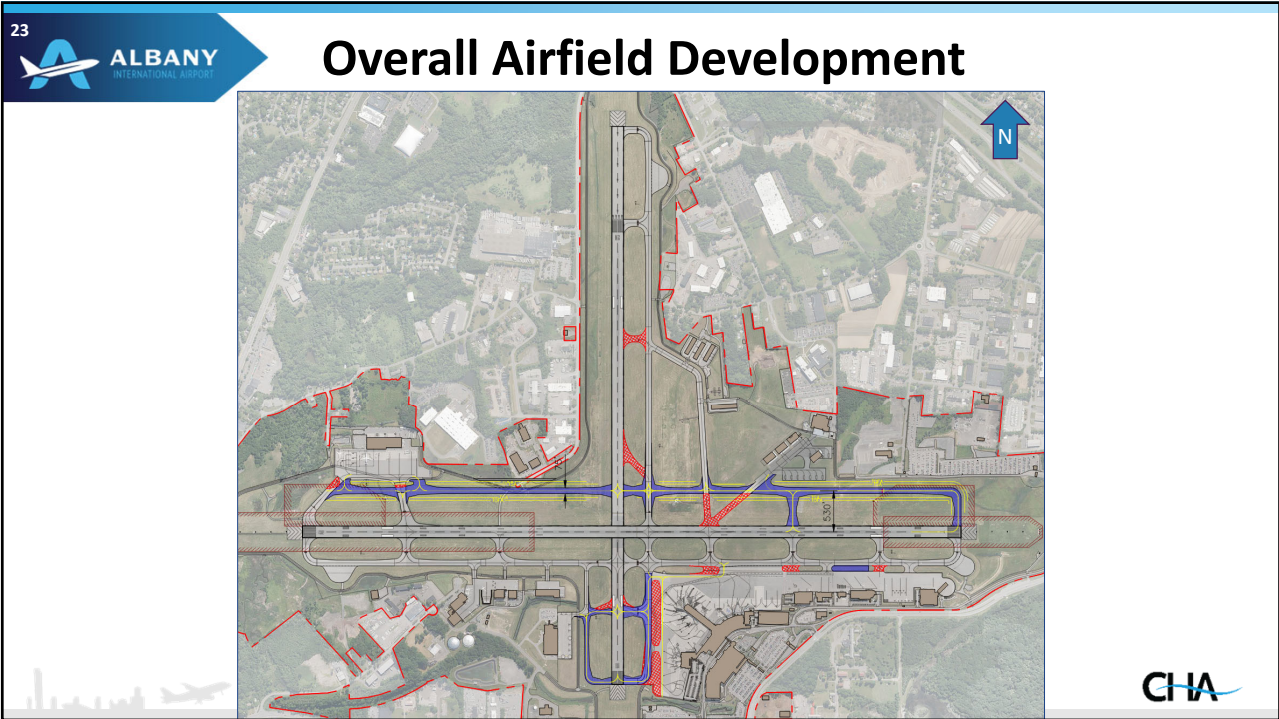
Outbound Baggage



- Consolidates baggage handling for departing flights
- Current Status: **Planning**



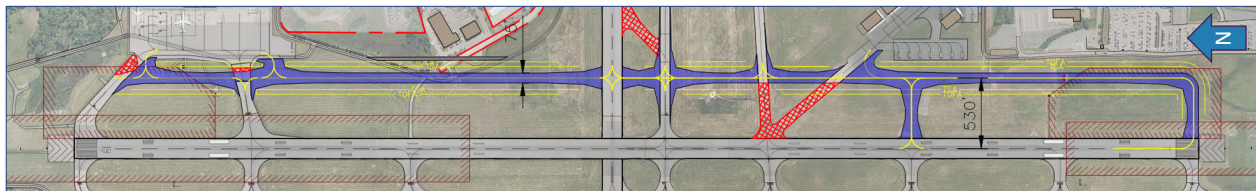
Airfield Development Alternatives



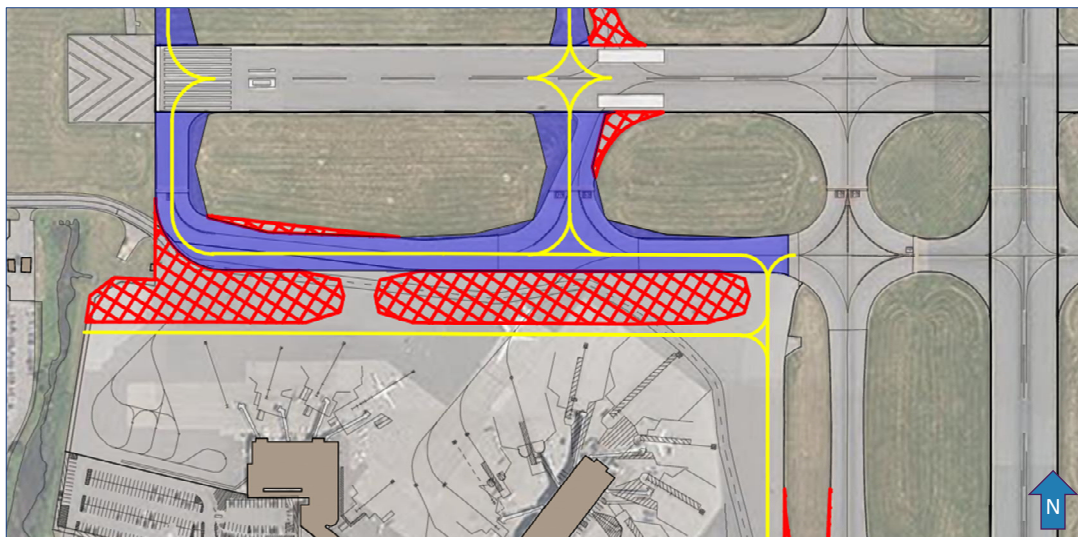
Overall Airfield Development



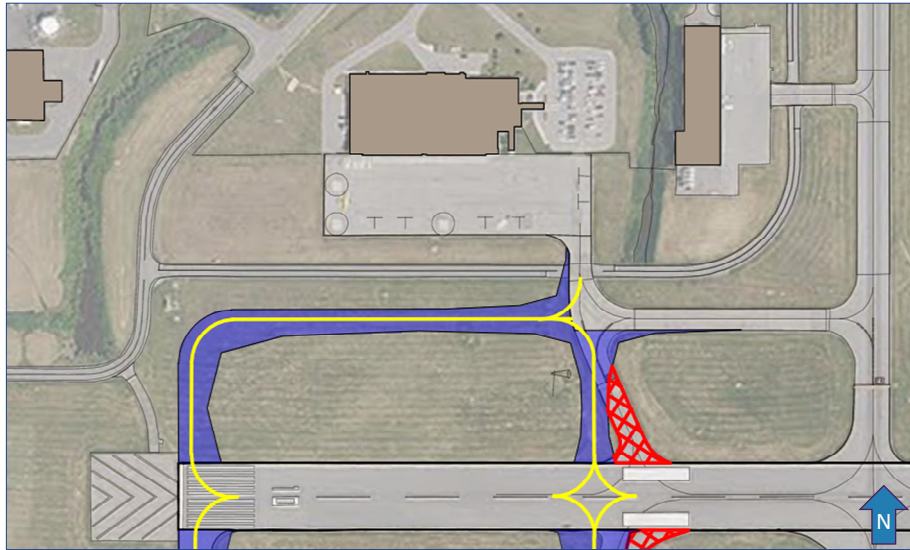
East Side Parallel Taxiway



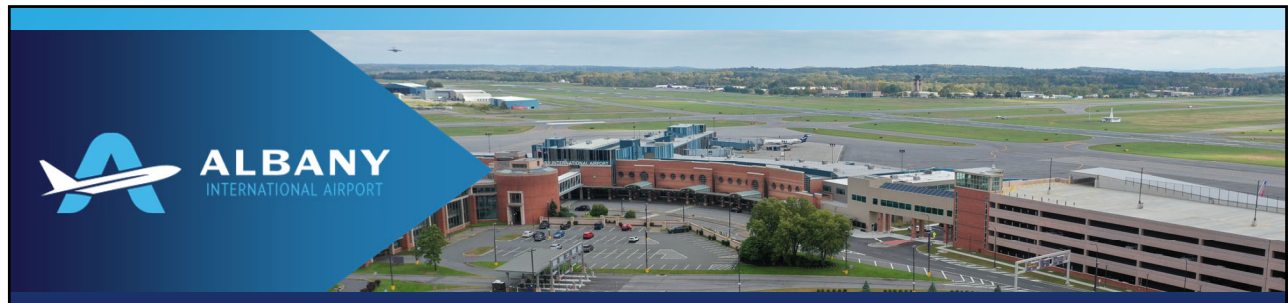
Taxiway 'C' Realignment



Taxiway 'P' Extension



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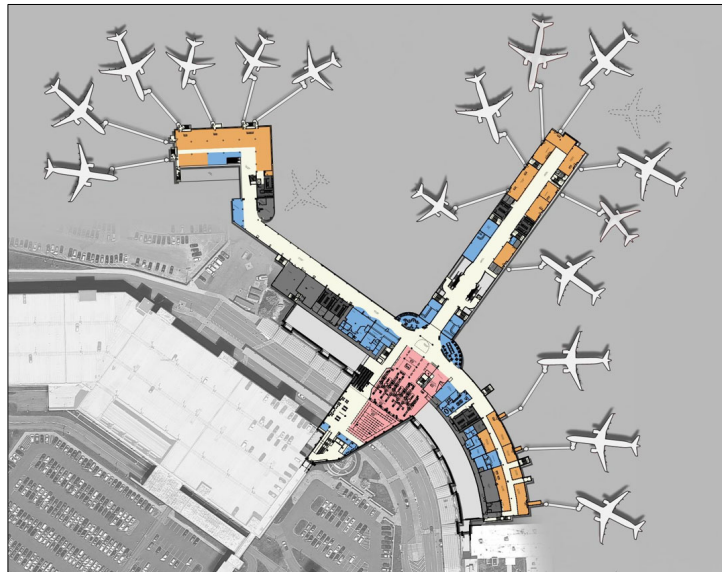


Passenger Terminal Area Alternatives



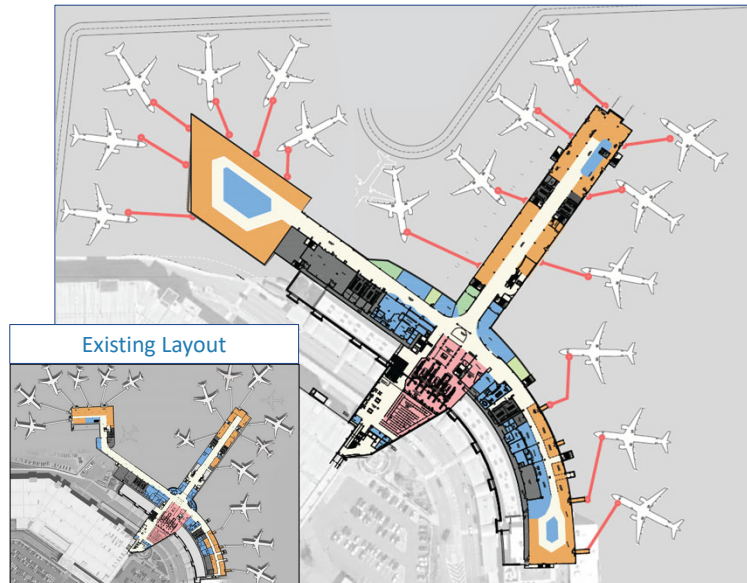
Terminal Development – Existing Layout

- With Concourse ‘A’ Improvements
- Existing Footprint – 255,000 SF



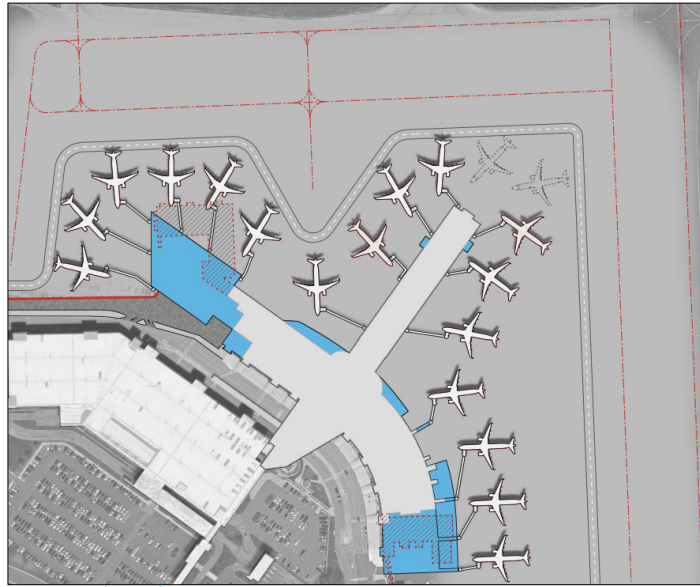
Terminal Development – Option 1

- Existing Footprint – 255,000 SF
- Option 1 Footprint – 323,000 SF
 - Rebalance Concourse ‘B’
 - Redevelop/Expand Concourse ‘A’



Terminal Development – Option 1

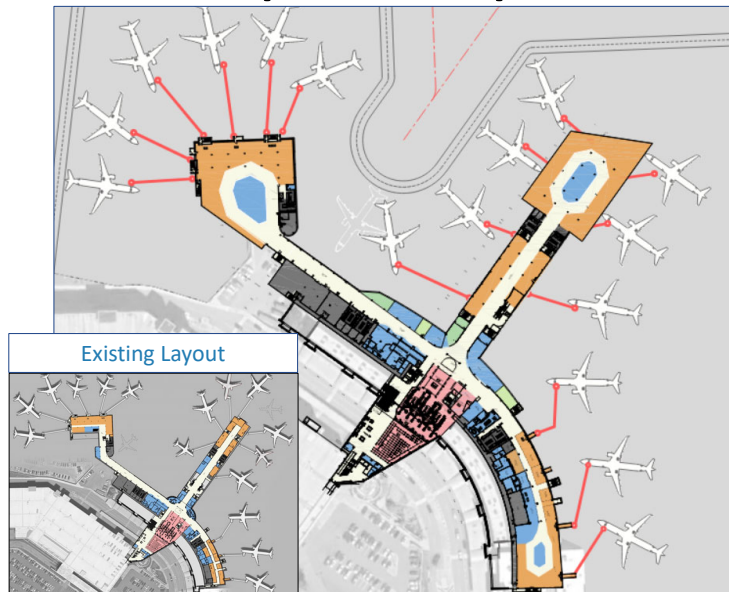
- Option 1 Footprint Expansion
 - Ticketing Hall
 - Baggage Makeup
 - Baggage Claim
 - Concourse ‘A’ & ‘C’



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Terminal Development – Option 2

- Existing Footprint
 - 255,000 SF
- Option 2 Footprint
 - 336,000 SF
 - Expand/Rebalance Concourse ‘B’
 - Expand Concourse ‘A’



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Terminal Development – Option 2

- Option 2 Footprint Expansion

- Ticketing Hall
- Baggage Makeup
- Baggage Claim
- Concourse ‘B’ & ‘C’
- Enables 18 Gates*

*If needed (beyond 20-years)



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Parking Concepts - Existing

	Parking Product	Spaces
①	North Garage	2,219
②	Short Term Surface Lot	94
③	South Garage	1,000
④	Employee Parking	257
⑤	Long Term Lot 1	312
⑥	Long Term Lot 2	132
⑦	Long Term Lot 3	431
⑧	Long Term Lot 4	441

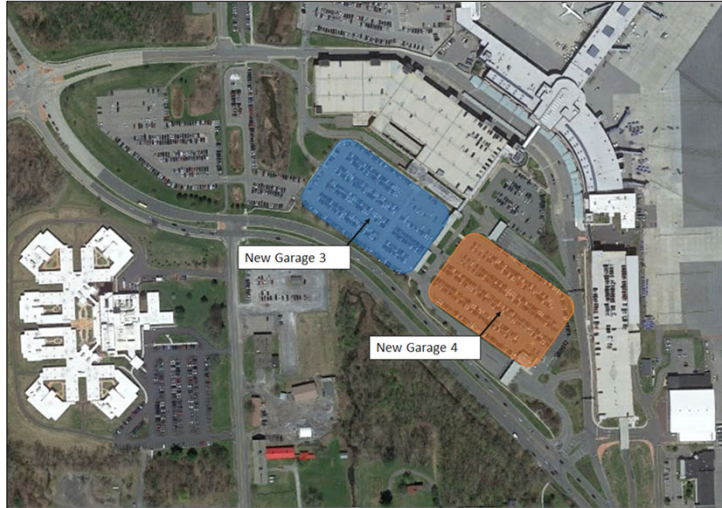
Total Parking: 7,031*
 (*2,763 in Economy Lot)



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Parking Concepts – Preferred Alternative

- Two New Garages
- Retain existing access
- Total Parking: 10,100 spaces



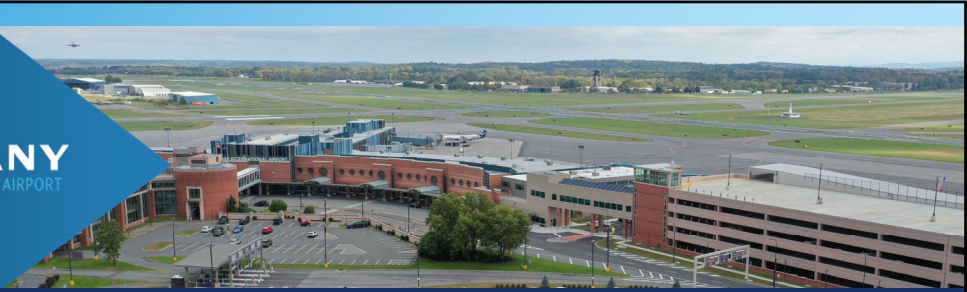
Parking Concepts – Alternative 2

- Two New Garages
- Revised Traffic Flow & Exit
- New Commercial Curb/Roadway
- Total Parking: 10,200 spaces





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General Aviation Alternatives



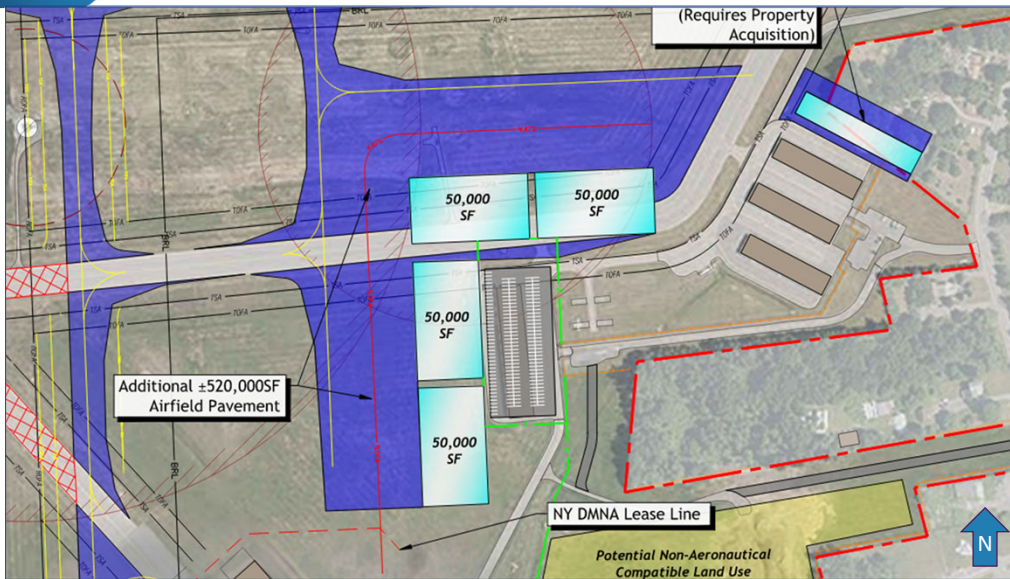
CH2M

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General Aviation Development Alternative

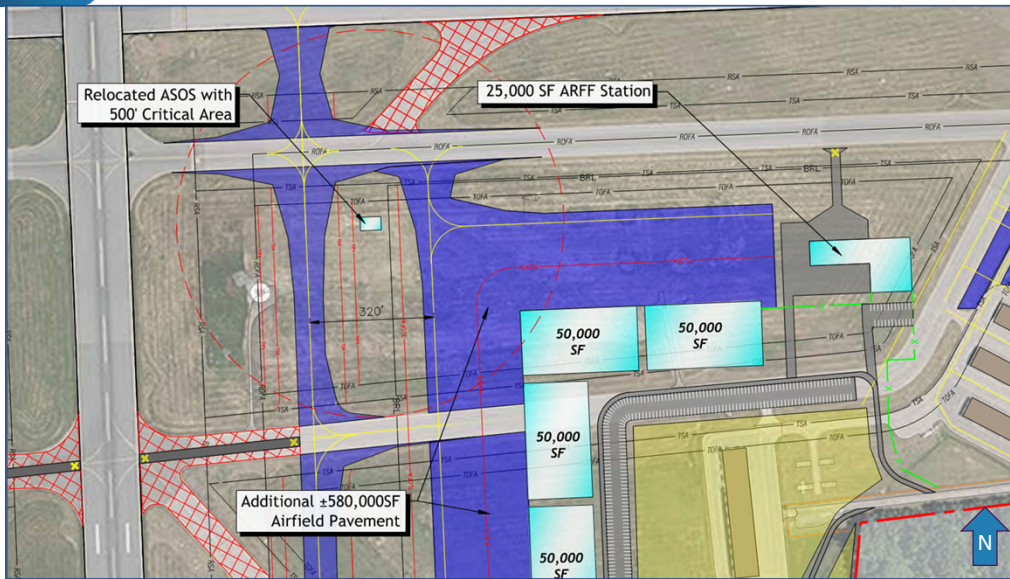


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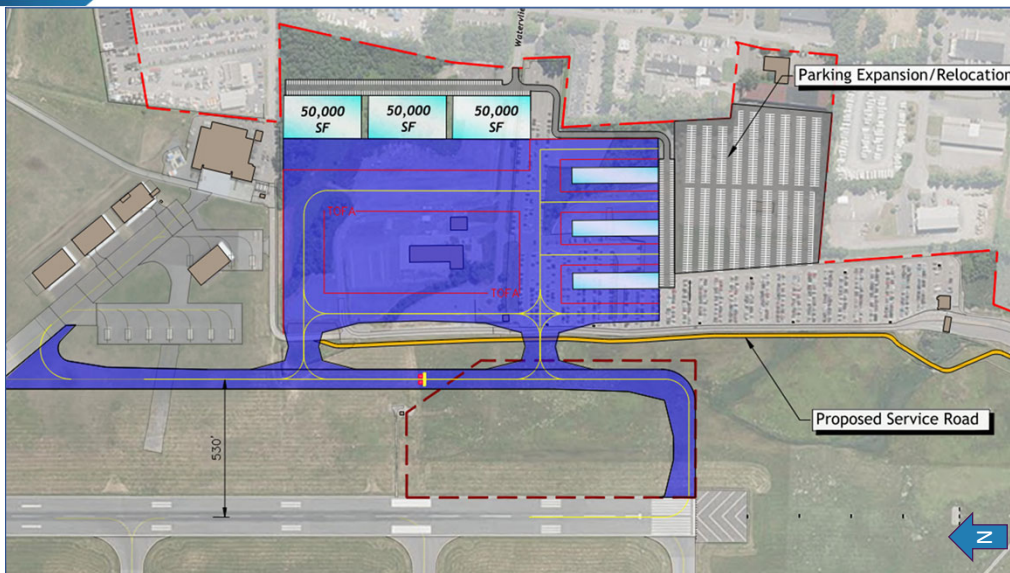
General Aviation Preferred Development



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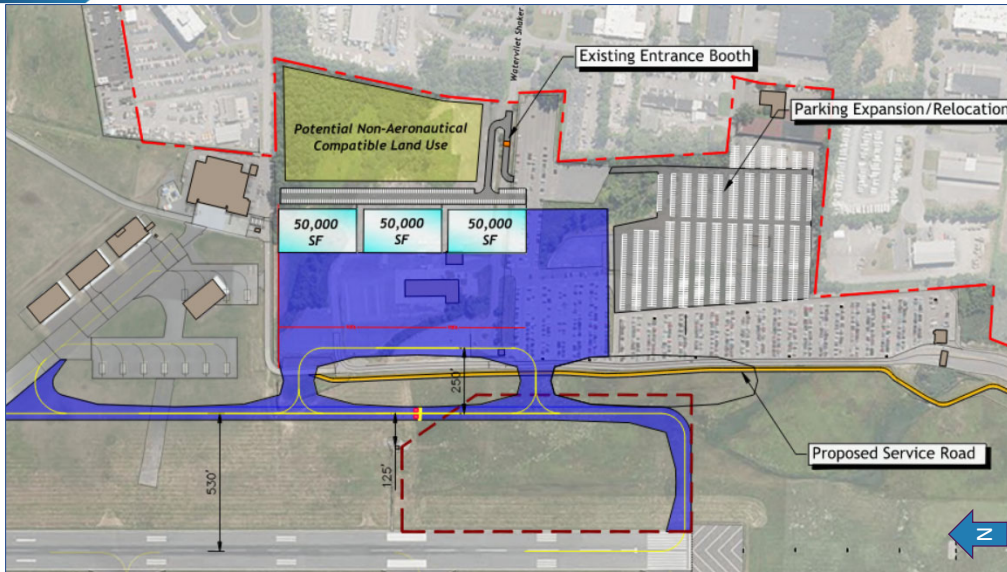
E-Lot Development Alternative



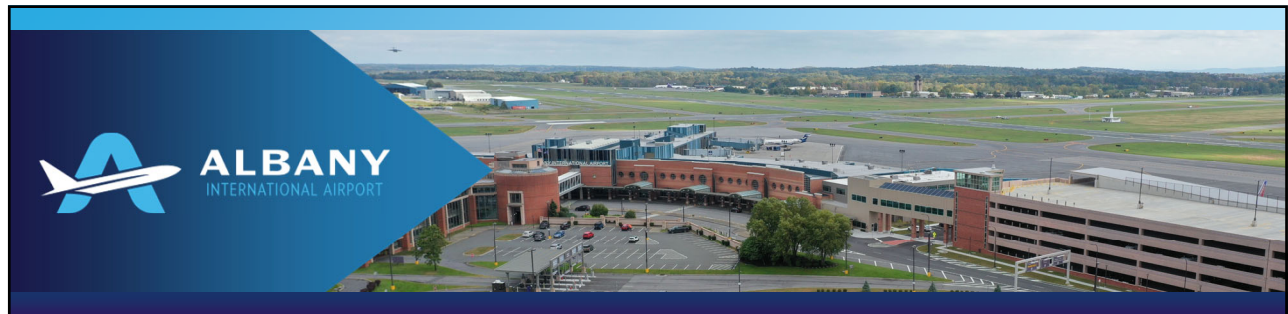
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E-Lot Preferred Development



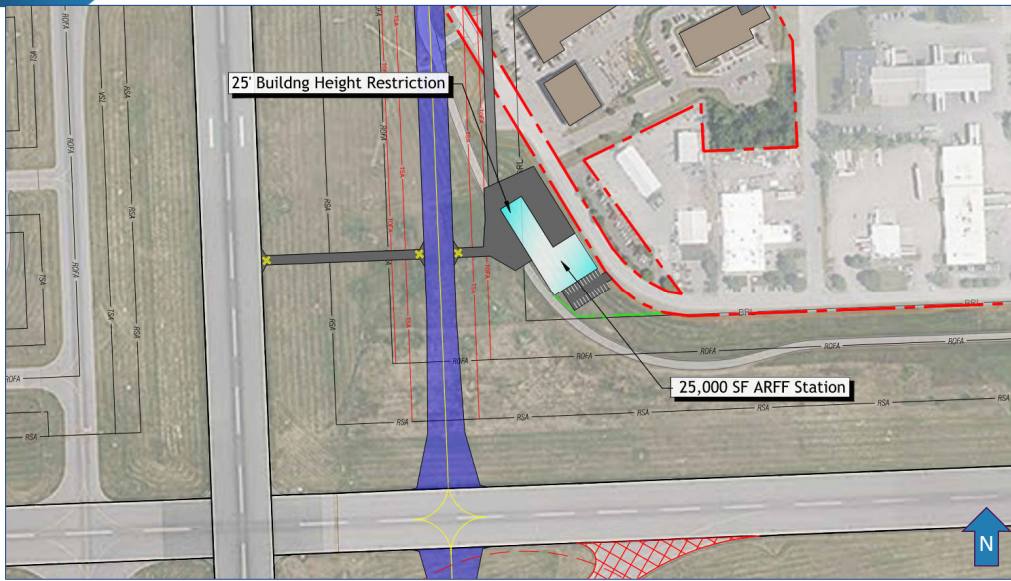
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Support Facilities Alternatives

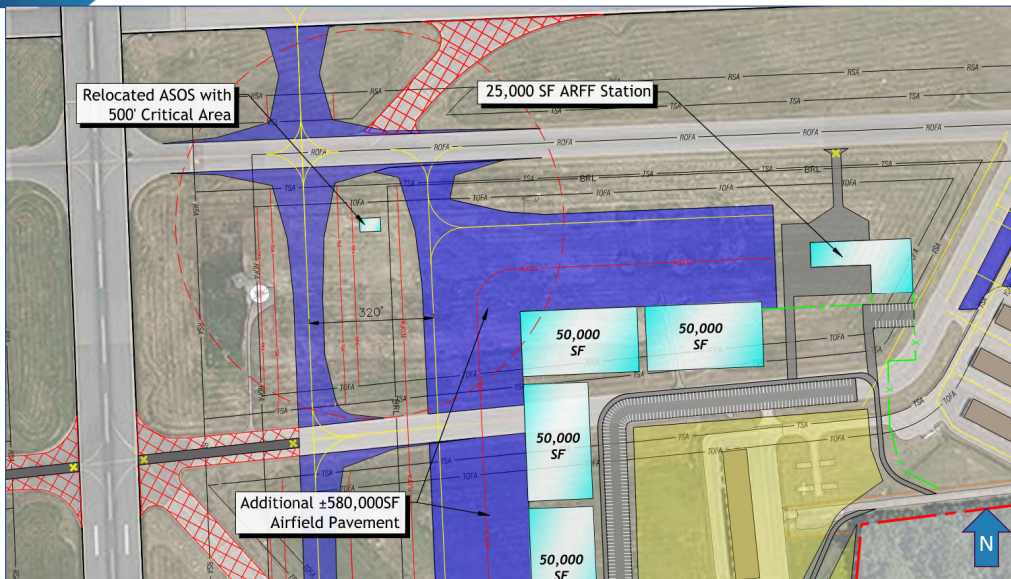


ARFF Relocation Alternative



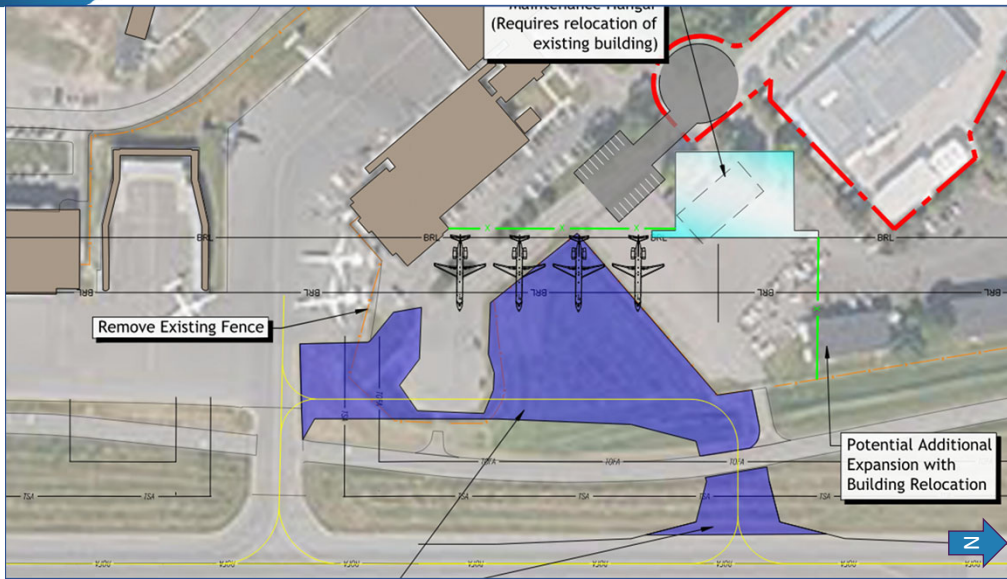
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ARFF Preferred Relocation



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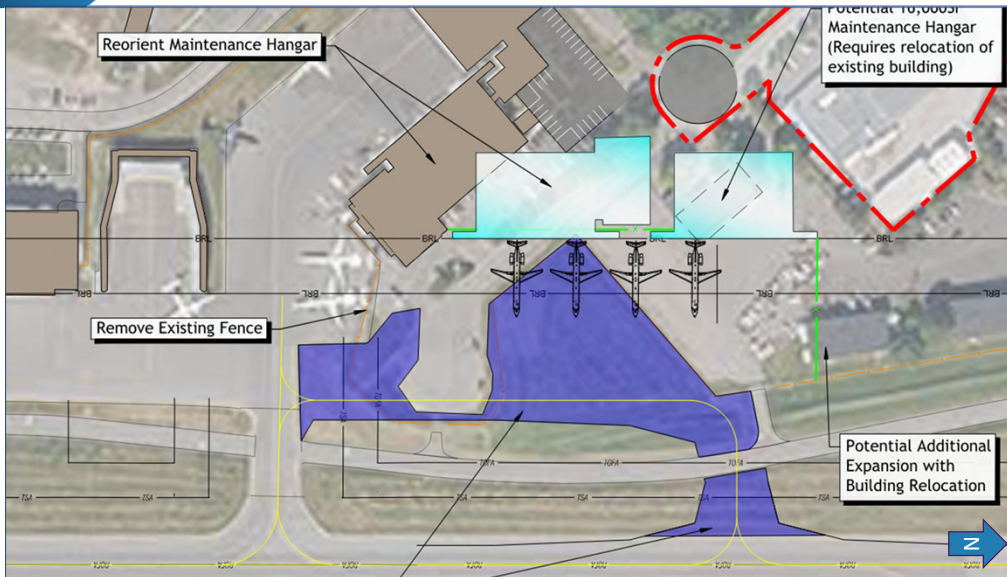
MRO Development Alternative



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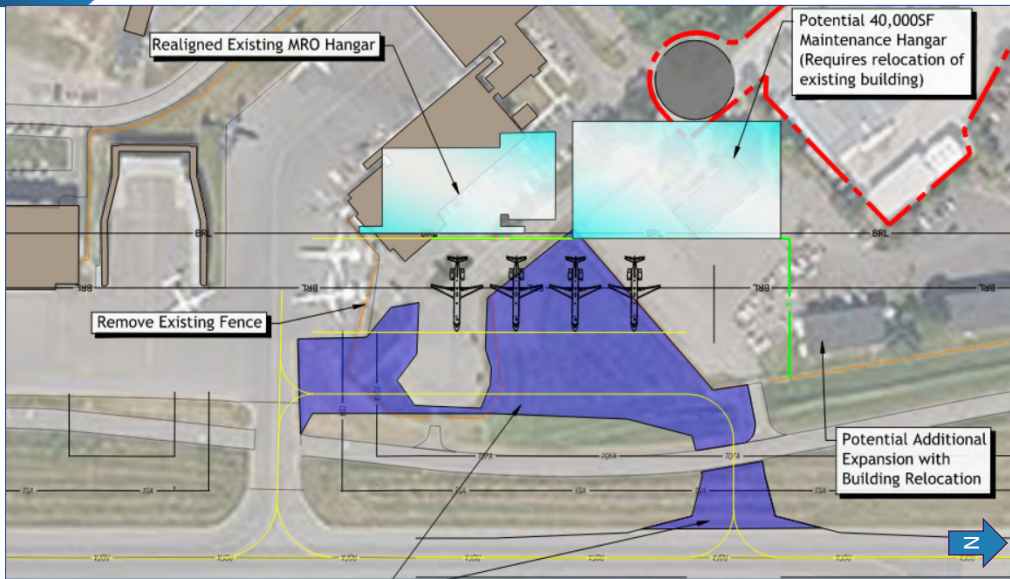
MRO Development Alternative



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MRO Preferred Development



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Cargo Preferred Development



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Draft Recommended Plan



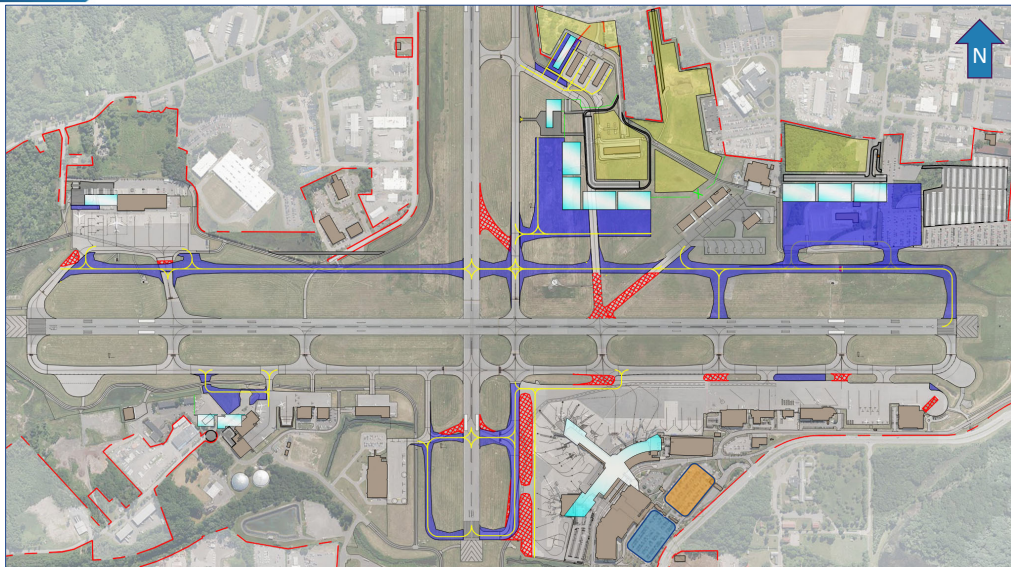
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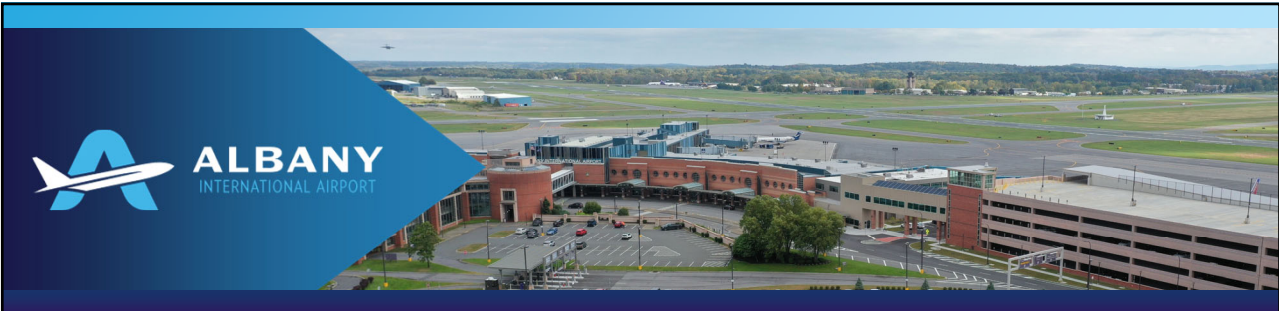
Draft Recommended Plan



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CH2M

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Next Steps



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What's Next



- Draft Master Plan
- Draft Airport Layout Plan
- Final Meetings (Fall 2023)

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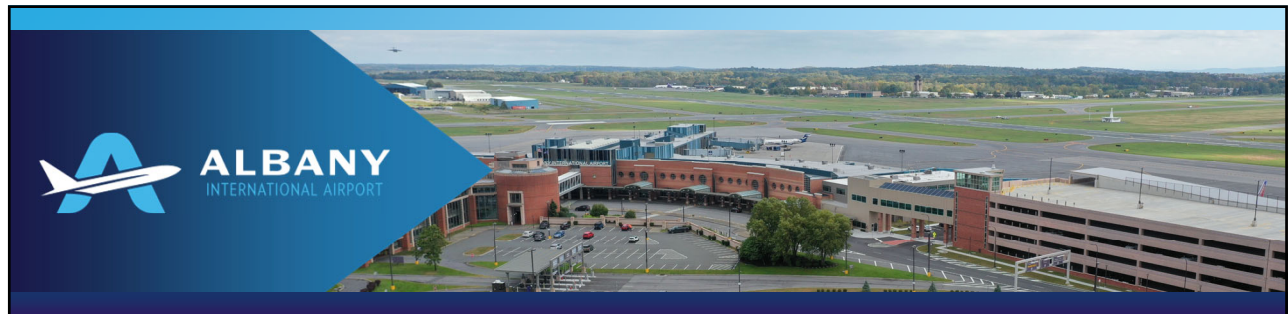
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Schedule

2023												
Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Inventory Completed												
Forecast Completed												
Facility Requirements				Review period								
Development Concepts					Review period							
Non-aeronautical Development Evaluation						Review period						
Airport Layout Plan										Review period		
Community Outreach					RAC	TAC	PM	RAC			TAC	PM
Documentation			W						D	Review period	F	

Working Period	D	Draft Report	P/M TAC RAC	Regional Advisory Committee Meeting
Review period	F	Final Report	P/M TAC RAC	Technical Advisory Committee Meeting
	W	Working Paper		Public Meetings



Thank You for Your Participation!

