

Rapid City Regional Airport

Development Concepts

January 26, 2021



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Development Areas

Determine developable areas & put space to its best use

Constraints/Challenges

- Terrain
- Design Standards
- Existing Leaseholds

- ## Constraints/Challenges
- Terrain
 - Design Standards
 - Existing Leaseholds

[illegible]

North GA Area – Development Concepts

Option 1



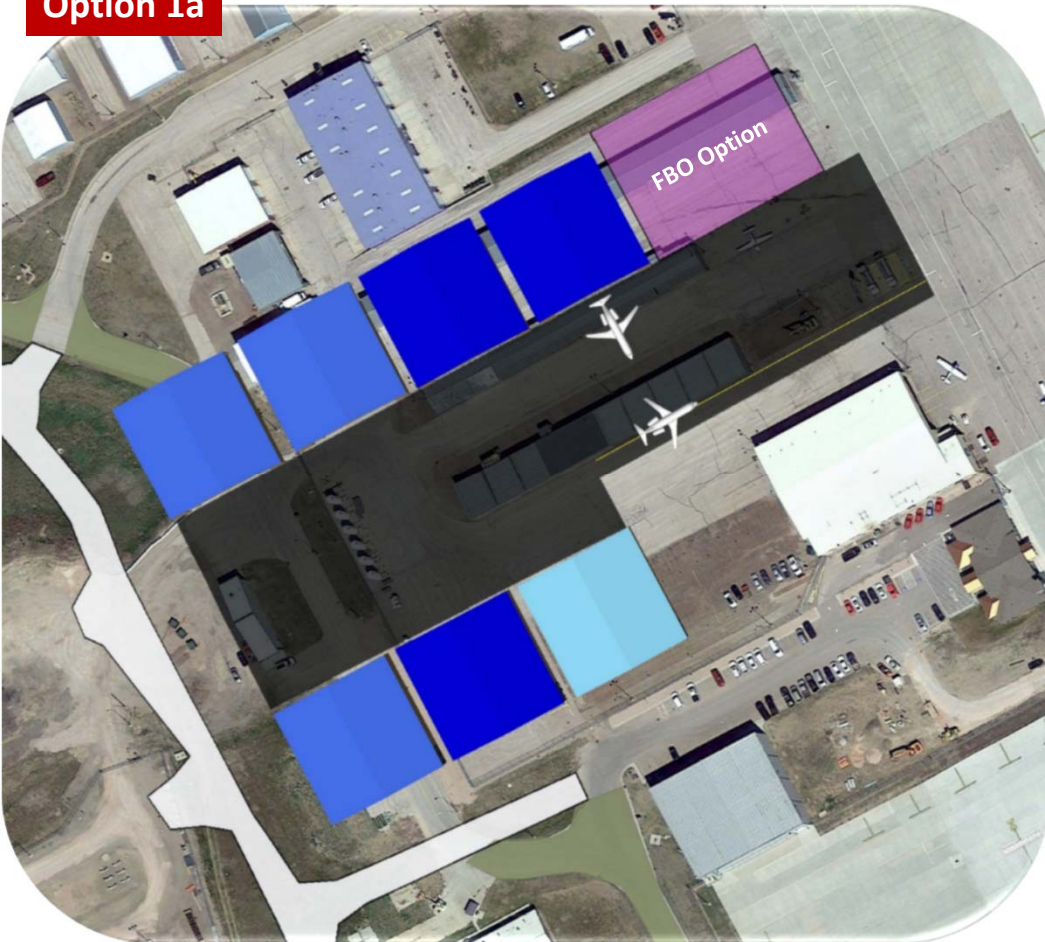
Option 2



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South GA / Corporate Development Concepts

Option 1a

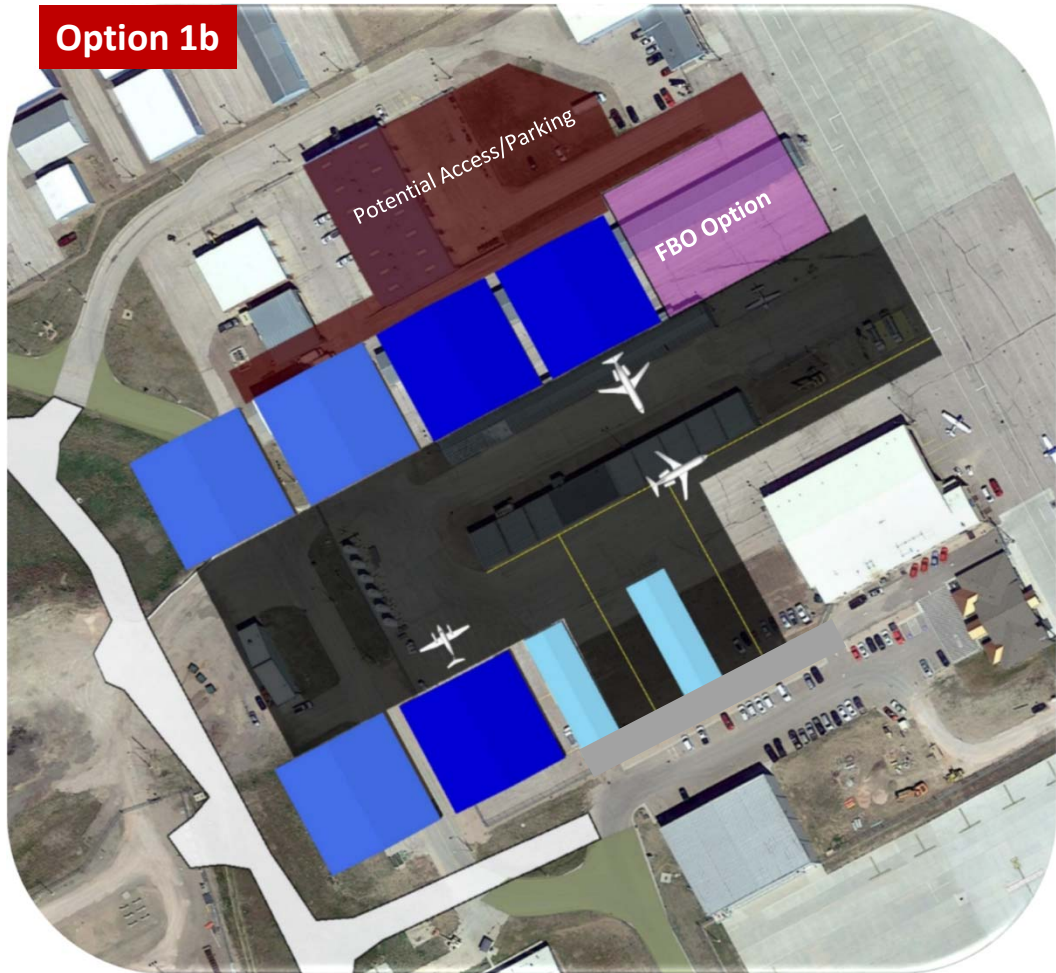


Option 2a

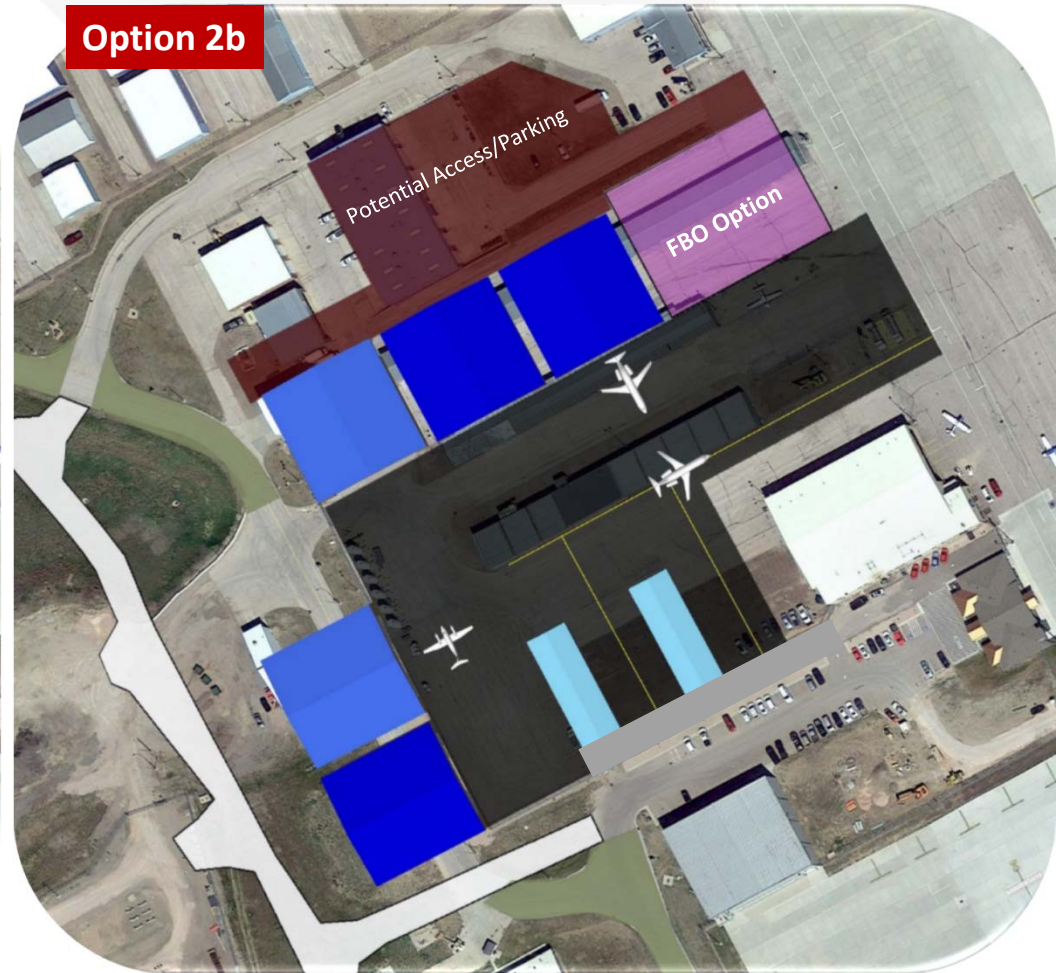


South GA / Corporate Development Concepts

Option 1b



Option 2b



South GA / Corporate Development Phasing

Initial Phase Option



Key Considerations

- Existing Leaseholds
- Initial Access/Parking
- Meeting Design Standards



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3D View of Option 1a



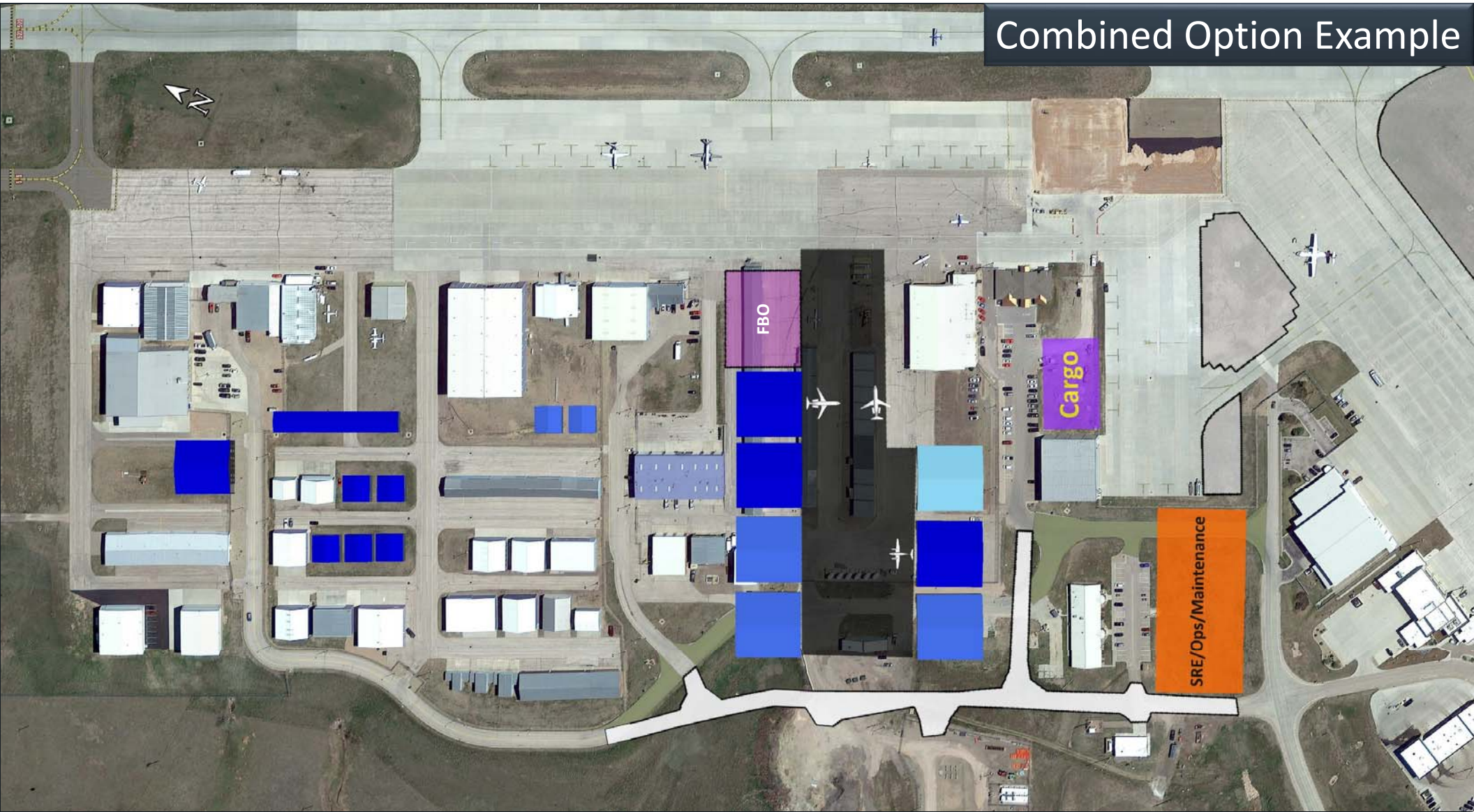
Cargo Area Options



SRE/Ops/Maintenance Area Options



Combined Option Example



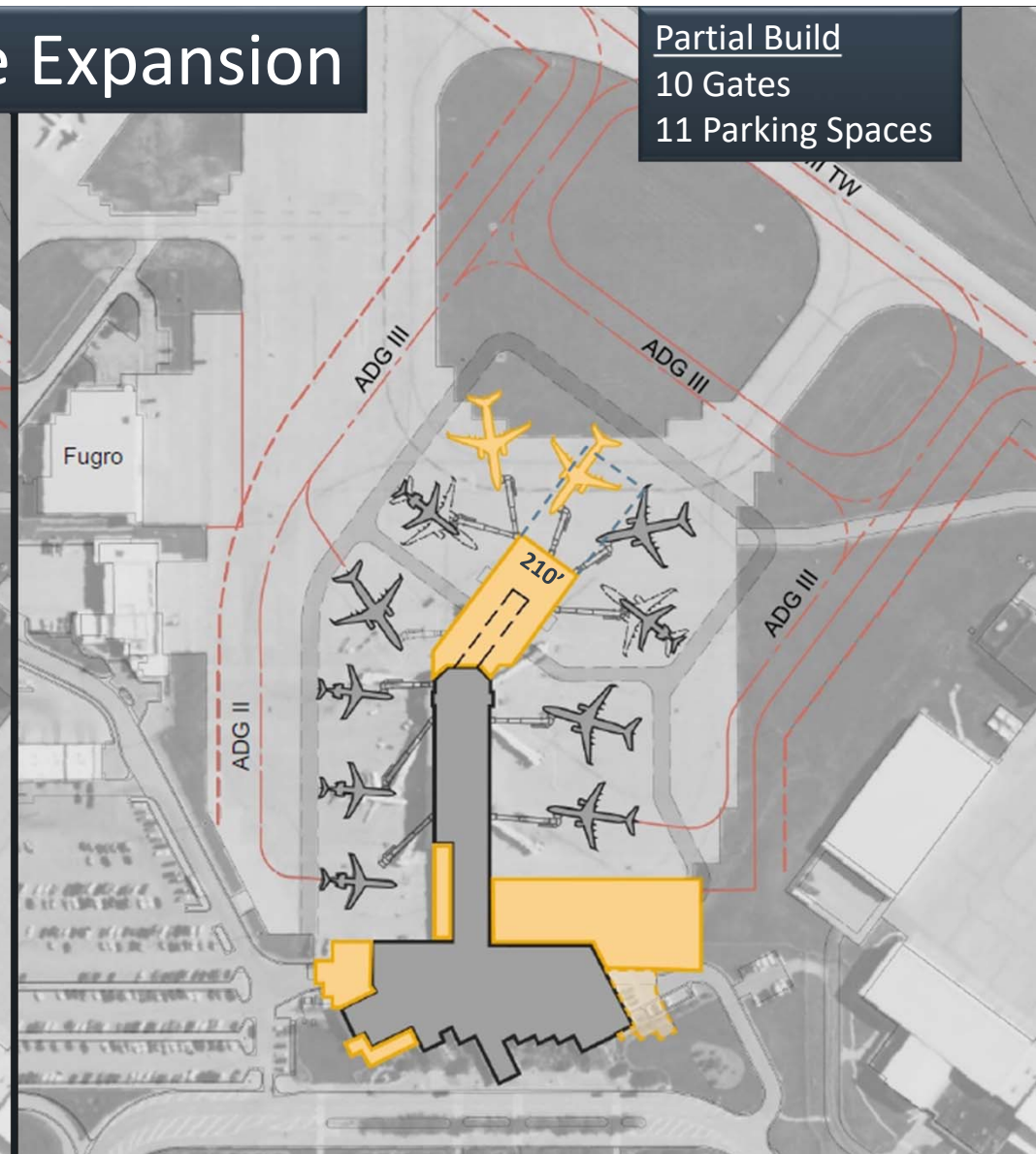
Combined Option Example



Full Build
12 Gates
13 Parking Spaces

Concourse Expansion

Partial Build
10 Gates
11 Parking Spaces



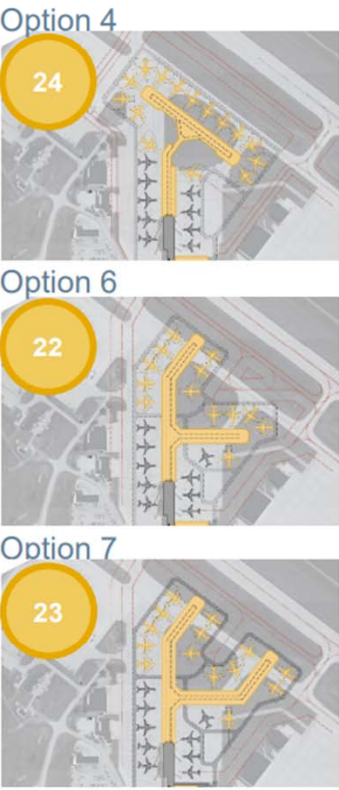
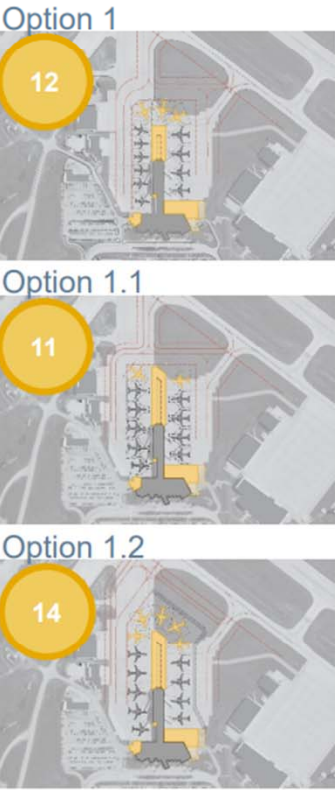


Site Options Review Initial & Long Term

LINEAR OPTION

Initial Build

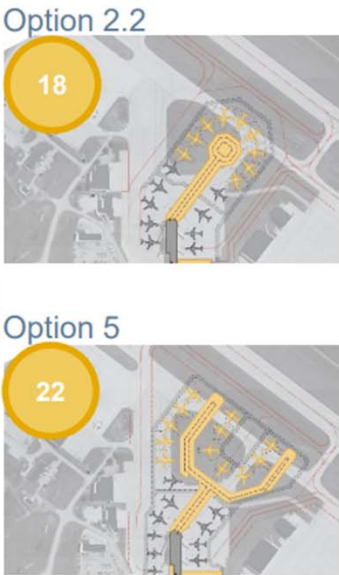
Long Term



DOG-LEG OPTION

Initial Build

Long Term



Preferred Options EDS Option A.4, Baggage Claim & Rental Car Option A.1

- TICKETING BELT
- BAG SCREENING
- TSA SCREENING
- CLEAR
- OVERSIZE
- RECIRCULATING BELT

Addition for new loading dock & third 100-150 lf claim device

New enclosure at existing vertical circulation

New addition for car rental

Total Arrivals addition area $\pm 8,582$ sf

$\pm 31,412$ sf addition

2-160 lf makeup flat plate carousels.
Capacity for 24 carts

Future screening unit

ATO's

New ticket counters & scales, 28 positions

Future Ticketing Hall Expansion

↓ mm²°Ft □ tmm²mgkg

- Review Development Concepts with FAA & SDDOT
- Finalize Requirements Chapter
- Focus Group & Advisory Committee Follow-Up Meetings
- Public Meeting
- Finalize:
 - Alternatives Chapter
 - Implementation Chapter
 - Airport Layout Plan (ALP)



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Thank You!



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