Rapid City Regional Airport

Development Concepts

January 26, 2021
Determine developable areas & put space to its best use

Constraints/Challenges
- Terrain
- Design Standards
- Existing Leaseholds

Airport Road Reconfiguration
North GA Area – Development Concepts

Option 1

Option 2

Preserve for future apron frontage or parking.
South GA / Corporate Development Concepts

Option 1a

Option 2a
South GA / Corporate Development Concepts

Option 1b
Potential Access/Parking
FBO Option

Option 2b
Potential Access/Parking
FBO Option
South GA / Corporate Development Phasing

Initial Phase Option

Parking or second hangar

FBO Option

Key Considerations
- Existing Leaseholds
- Initial Access/Parking
- Meeting Design Standards
3D View of Option 1a
Cargo Area Options
SRE/Ops/Maintenance Area Options
Full Build
12 Gates
13 Parking Spaces

Partial Build
10 Gates
11 Parking Spaces

Concourse Expansion
Site Options Review Initial & Long Term

LINEAR OPTION

Initial Build
- Option 1: 12
- Option 1.1: 11
- Option 1.2: 14
- Option 4: 24
- Option 6: 22
- Option 7: 23

Long Term

DOG-LEG OPTION

Initial Build
- Option 2: 12
- Option 2.1: 14
- Option 2.2: 18
- Option 3: 12
- Option 5: 22

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

- 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 +8,582 sf
- +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
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)