

Agenda

- Status of the Master Plan Update
- Forecast and Facility Requirements Summary
 - Forecast Results (FAA Approved)
 - Airside Facility Requirements
 - Landside Facility Requirements
- Airport Development Concepts
 - Existing infrastructure improvementsPotential areas for future projects
- Overview of Final Steps
- Get Your Input and Ideas







Master Plan Focus Areas

- Address Industry trends and regional changes since previous studies
- Specific focus areas:
 - Airfield Improvements
 - Airfield geometry & FAA Design Standards
 - Disposition of Runway 14-32
 - Potential parallel runway
 - Terminal Facility Improvements
 - Air Cargo & General Aviation Requirements
 - Access & Parking Improvements



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Airfield Facility Requirements Summary

- Airfield analysis identifies potential FAA deficiencies related to:
 - -Airfield/runway capacity
 - Runway and taxiway system
 - -Aircraft parking areas
 - Airfield lighting, signage, navigational aids







Passenger Terminal Facility Requirements Summary

- Passenger Terminal deficiencies:
 - Number of gates
 - -Appropriate gate size for aircraft
 - -Inbound/outbound baggage processing
 - -Building circulation:
 - Ticket lobby
 - Security screening & FIS
 - Holdroom space & concessions
 - Passenger walking distances
 - -Remain overnight parking (RON)

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- Support Facilities Deficiencies:
 - Rental car & vehicle parking operations
 - -Air cargo operations area
 - -General aviation facilities
 - -Aircraft refueling & deicing
 - -Airfield maintenance facilities





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<section-header> Airfield Concepts • Runway System - 16 total concepts evaluated - 5 selected for further evaluation - 2 concepts for Runway 14-32 - 3 concepts for Runway 5-23 • Taxiway System - 3 concepts evaluated





Airfield Alternatives

- Runway Alternative 3
 - -Closure of Runway 14-32
 - Recaptures airport property to expand critical aviation facilities
 - Reduces crosswind coverage for light General Aviation aircraft

Notes:

- Runway 14-32 accommodated 1.4% of 2018 operations
- Runway 5-23 provides +95% wind coverage

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Airfield Alternatives

• Runway Alternative 8

-6,000-foot parallel Runway 5-23

-No direct impacts to Lake Whitehurst (some wetland impacts will occur)





Airfield Alternatives

- Runway Alternative 12B
 - Proposed Parallel Runway 5R-23L 5,500' C-II with EMAS
 - -No impacts to Lake Whitehurst or wetlands



FAA Image

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Engineered Materials Arresting System (EMAS)

- Stops aircraft that overrun the runway
- Replaces the 1,000' Runway Overrun















Figure 5-14

Terminal Facility

Alternative 3A

-Future expansion concourses









nree Additional Alternatives - comp	arison			
Alternative	1	2	3	4
Consolidates Ticketing & Curbside	Yes	Yes	Yes	Yes
Consolidates Passenger Screening / TSA	Yes	Yes	Yes	Yes
Reduces Walking Distances	No	No	No	Yes
Difficulty of Construction Phasing	Modest	Difficult	Difficult	Difficult
Construction Cost	Modest	High	High	High
Potential for Dual Level Curbside	No	Yes	Yes	Yes
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Figure 5-24 neral Aviation Area Alternative 1

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General Aviation Alternatives

- 2 concepts evaluated
- Future expansion dependent upon demand
- Each concept identifies adjacent compatible development areas



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Land Use Compatible

Support Facilities: Fuel Storage, Deicing Apron, Maintenance Facility

Figure 5-27 Deicing Apron Alternatives

Figure 5-28 Airfield Maintenance Alternatives

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Final Steps

Exhibit 5-26 Fuel / Glycol Storage Facility Alternatives

- Collect & review comments (please submit comments by October 15th)
- Develop overall Airport Master Plan (4th Quarter 2019)
 - -Finalize Development Concepts (Working Paper No. 4)
 - Phasing and cost estimates
 - -Financial Plan
 - -Airport Layout Plan (ALP) drawing set
- Release Draft Airport Master Plan for review
- Finalize/Approve Airport Master Plan (1st Quarter 2020)



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