SUSTAINABLE AIRPORT MASTER PLAN (SAMP)

Funding Authorization Request

February 27, 2018
Briefing Overview

• Forecast Unconstrained Demand Methodology

• Near-term projects – *Major Improvements*

• Near-term project phasing
  – Future baseline
  – Enabling projects
  – Expansion projects
  – Operational efficiency & compliance projects

• Long-term Vision

• Environmental Impact Categories

• SAMP Public Outreach
Forecast Methodology

Key inputs and drivers

• Underlying socioeconomic conditions
• Cost of travel (airfares, yields, and Low Cost Carrier seats)
• Airline service decisions related to connecting hub and international gateway operations
• Route networks of hubbing airlines
• Overlapping service and competition
• Competing service at West Coast gateways
Near-Term Projects - *Major Improvements*

- **Westside Maint. Campus**
- **Taxiway D Extension**
- **Highspeed Exit**
- **Fuel Farm Expansion**
- **Busway & Stations**
- **Roadway Improvements**
- **Second Terminal**
- **Airline Support**
- **ARFF Relocation**
- **Taxiway A/B Extension**
- **Hardstand - central**
- **North Gates**
- **C4S Warehouse Redevelopment**
- **Hardstand - north**
Near-Term Project Phasing

Future Baseline

1) International Arrivals Facility
2) NorthSTAR
3) Concourse D Hardstand Holdroom
## Enabling Projects

1) Westside Maintenance Campus
2) Aircraft Rescue and Fire-Fighting (ARFF) Relocation
3) Roadway Improvements
4) Airline Support

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1) Port Maintenance relocated to Westside Maintenance Campus
2) ARFF Relocation
3) Southbound lanes relocated to the northeast
4) Airline Support relocated to existing / new facilities
Expansion Projects

1) Fuel Farm Expansion
2) Hardstand - Central
3) North Gates & Second Terminal
4) Cargo 4 South (C4S) Warehouse Redevelopment
5) Hardstand - North
6) Busway & Stations
Operational Efficiency & Compliance Projects

1) Taxiway A/B Extension
2) Main Terminal North Ground Transportation Lot
3) Runway 34L Highspeed Exit
4) Taxiway D Extension
5) Taxiway A/B Relocation (to comply with 500’ runway/taxiway separation requirement)

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Long-Term vision - phased approach

Near-Term projects - 56 million annual passengers by 2027

Long-Term vision – Additional planning required for demand beyond 2027

- Additional planning & associated environmental review required for any projects not included in Near-Term package
Next steps

- Complete planning for Near-term projects
- Work with FAA to finalize SAMP documentation
- Planning work to support environmental review
- Community open houses Q2 2018
- Environmental review public scoping Q2/Q3 2018
- Airfield/airspace study for SAMP Long-term Vision
- Regional aviation demand baseline study
Funding Request

• Project Management
• Extensive Airside Modeling
• Additional Analysis
• Stakeholder Coordination and Community Outreach
• Environmental Review Planning Support
Environmental Impact Categories

- Air Quality & Greenhouse Gases
- Coastal Resources
- Compatible Land Use
- Construction Impacts
- Public Land & Recreational Impacts
- Endangered and Threatened Species
- Essential Fish Habitat
- Migratory Bird Act
- Floodplains
- Solid Waste Impacts
- Cumulative Impacts
- Hazardous Materials
- Historical & Archeological Resources
- Light Emissions & Visual Impacts
- Energy Supply & Sustainable Design
- Noise
- Induced Impacts
- Socio-Economic
- Environmental Justice
- Environmental Health
- Water Quality
- Wetland
- Transportation
- Shoreline

Almost all categories have direct links to community issues.

Green = Has direct link to community issues
SAMP Public Outreach

- Community Open Houses
  - Report Out on Planning Work (Q2 2018)

- Ongoing engagement with tenants, operators, FAA, & TSA

- Targeted engagement with external stakeholders
  - Airport-area communities
  - Social justice community leaders
  - Airport-area business leaders
  - Regional business and labor leaders
  - Traveling public

- Environmental Review in 2018
  - Coordinated outreach program between SAMP planning and environmental