

SUSTAINABLE AIRPORT MASTER PLAN (SAMP)

Funding Authorization Request

February 27, 2018

Briefing Overview

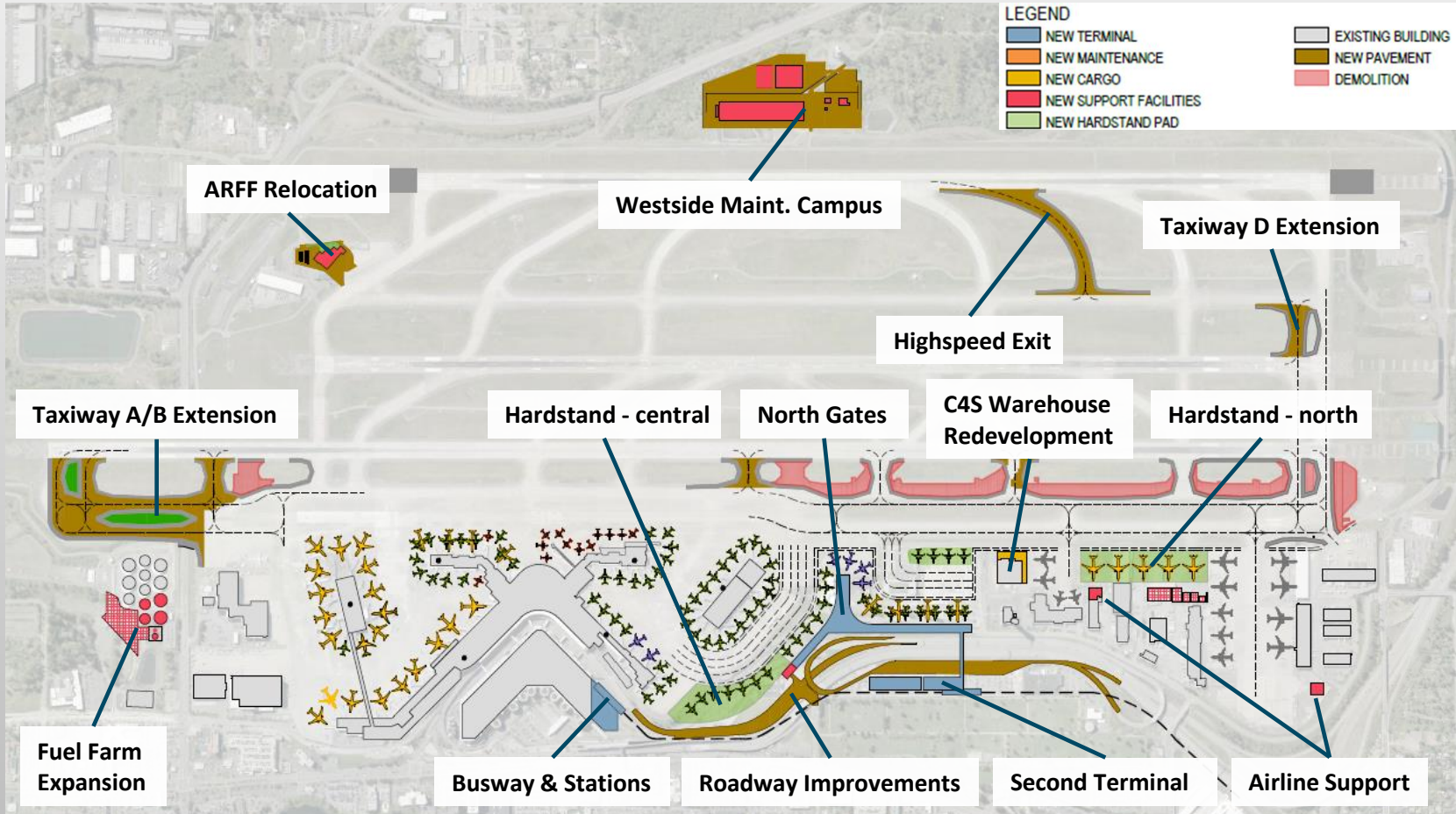
- Forecast Unconstrained Demand Methodology
- Near-term projects – *Major Improvements*
- Near-term project phasing
 - Future baseline
 - Enabling projects
 - Expansion projects
 - Operational efficiency & compliance projects
- Long-term Vision
- Environmental Impact Categories
- SAMP Public Outreach

Forecast Methodology

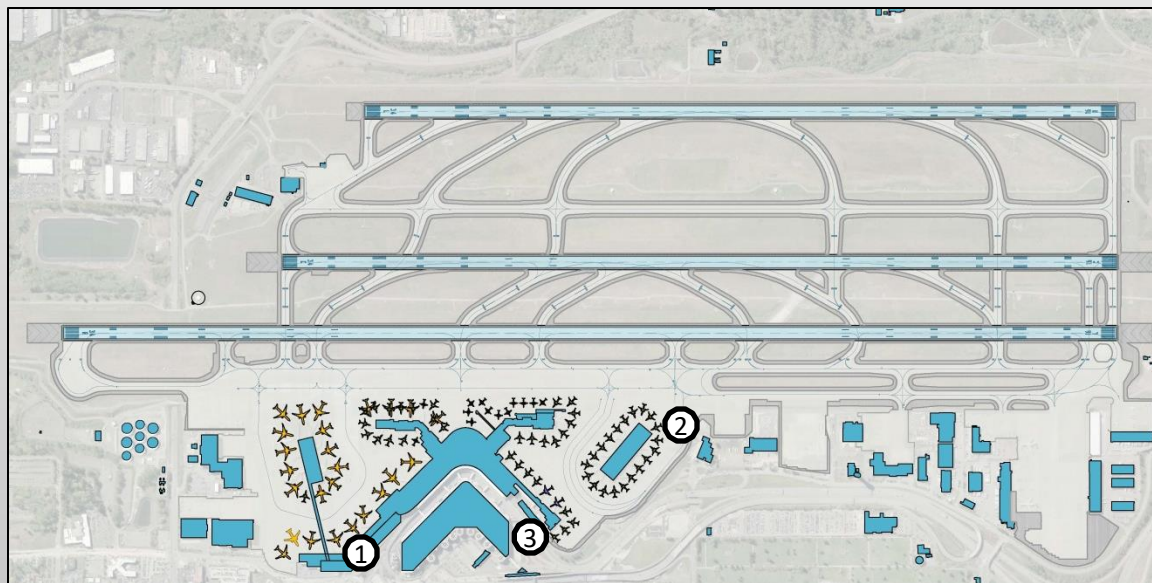
Key inputs and drivers

- 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



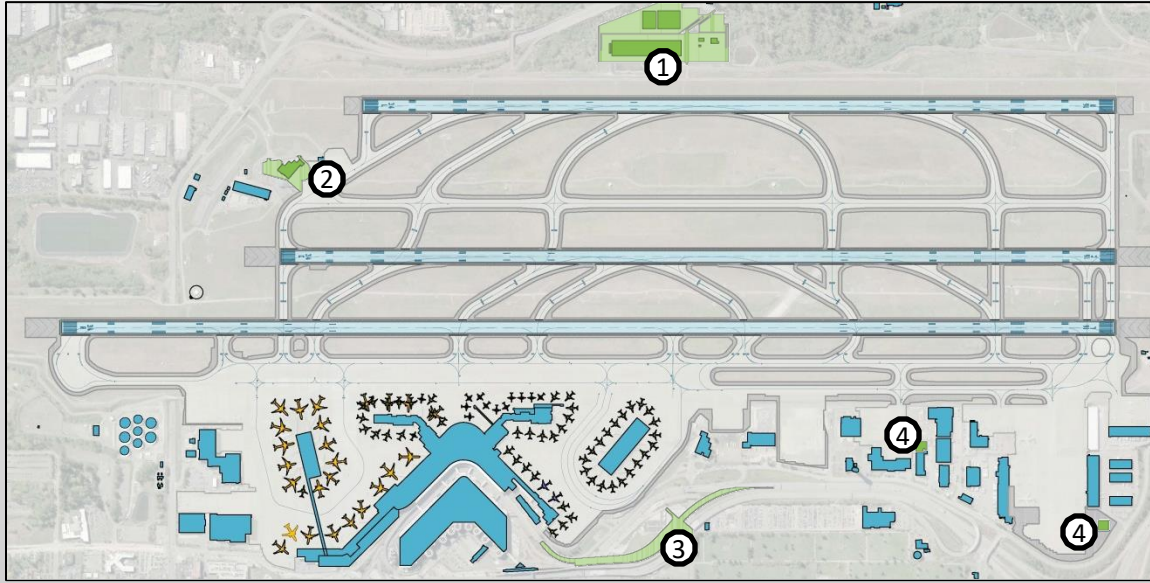
Near-Term Project Phasing



Future Baseline

- 1) International Arrivals Facility
- 2) NorthSTAR
- 3) Concourse D Hardstand Holdroom

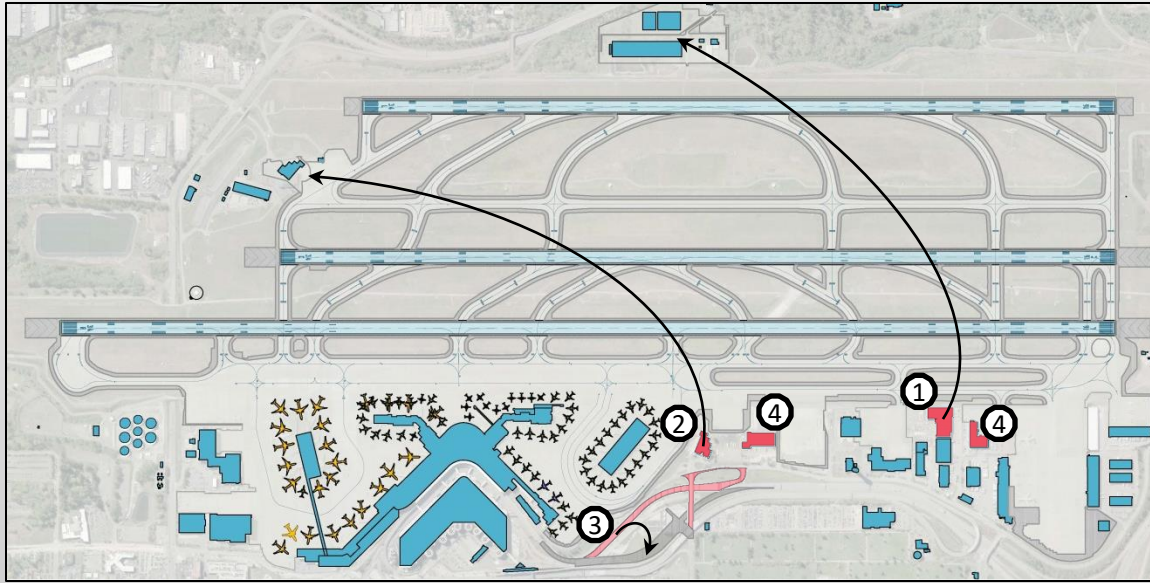
Enabling Projects



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

<i>Construction period estimates</i>	2020	2021	2022	2023	2024	2025	2026	2027
1) Westside Maintenance Campus				■				
2) ARFF Relocation			■					
3) Roadway Improvements				■				
4) Airline Support				■				

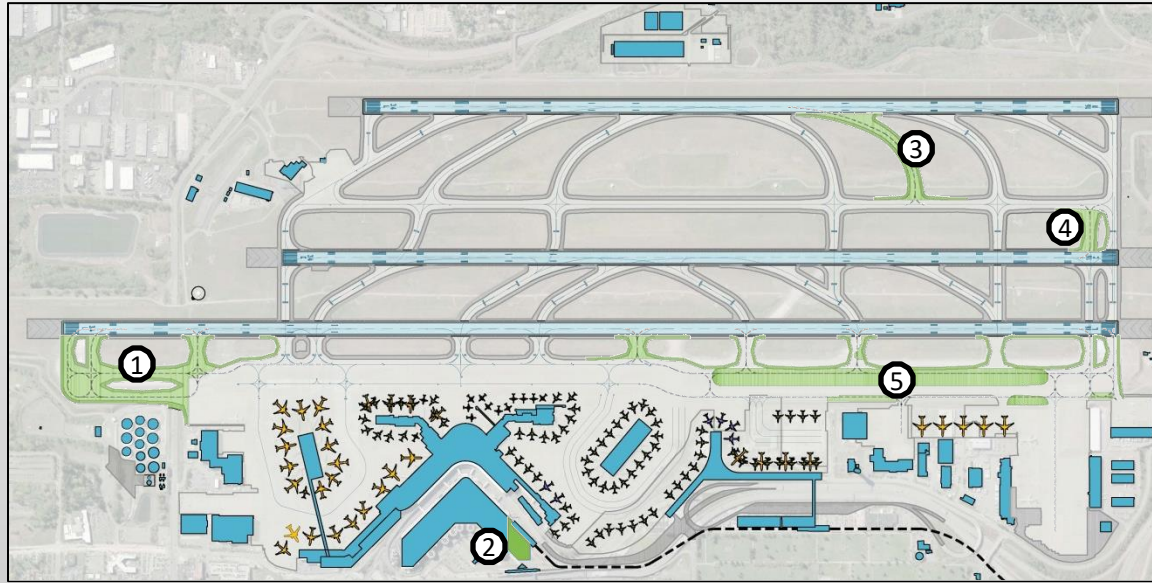
Relocations



- 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

<i>Construction period estimates</i>	2020	2021	2022	2023	2024	2025	2026	2027
1) Westside Maintenance Campus				■				
2) ARFF Relocation			■					
3) Roadway Improvements				■				
4) Airline Support				■				

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*)

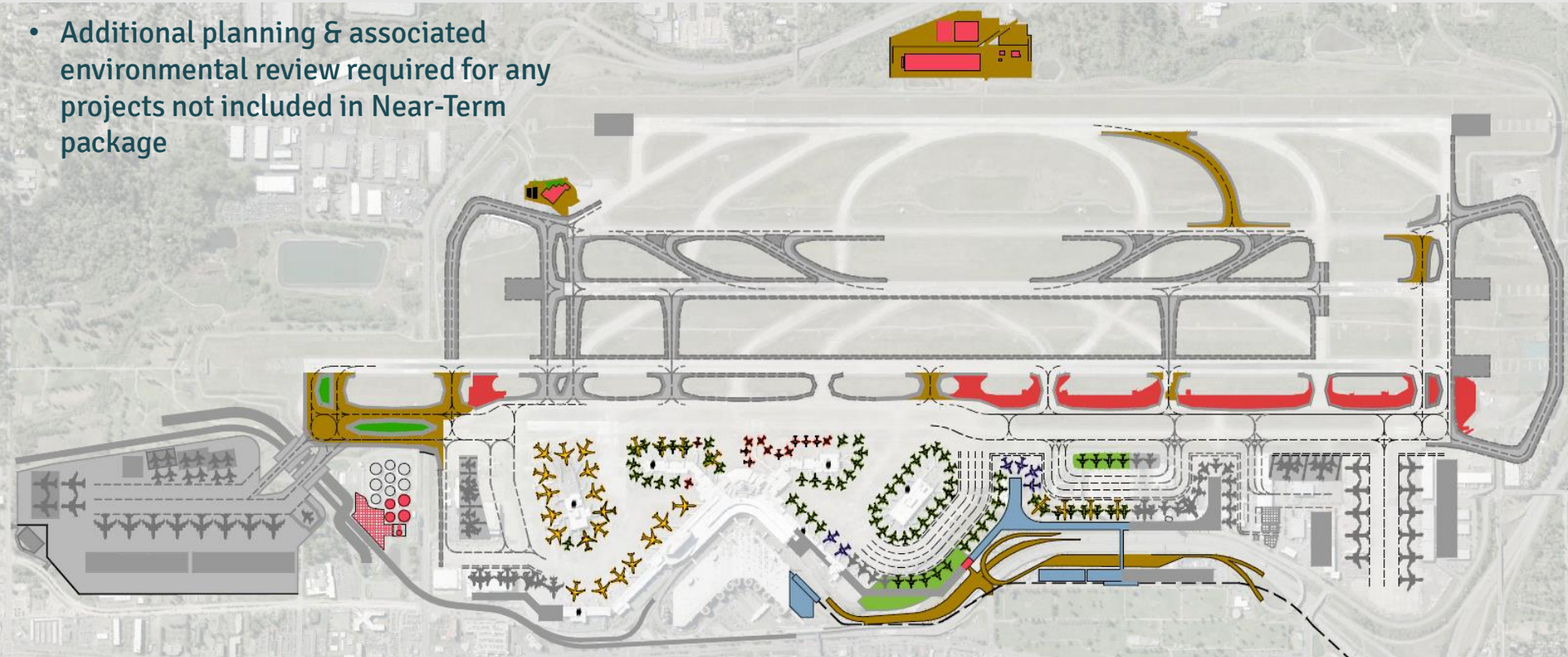
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2) Main Terminal North GT Lot				■				
3) Runway 34L Highspeed Exit			■					
4) Taxiway D Extension			■					
5) Taxiway A/B Relocation					■			

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

Green = Has direct link to community issues

Almost all categories have direct links 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