

# Wi-Fi Improvements Project Passenger Loading Bridges

July 11, 2023  
Commission Day

# Why Ramp Wi-Fi?

- Ramp Wi-Fi provides robust ramp coverage for airline and Port operations (baggage handling, inspections, etc). A common system was established to eliminate each airline having to deploy their own system
- This solution reduces the overall costs of managing multiple systems, having to move them when gate assignments change, and eliminates the interference associated with competing systems
- The system will also provide ramp level coverage for the traveling public for hard stand operations

# Executive Summary

- **Phases 1 – 6 complete.** Installed Wi-Fi in the Concourses, South Concourse, Main Terminal including bagwell and Ramp areas close to the building.
- **Phase 7** installs Wi-Fi on Passenger Loading Bridges (PLBs) on all concourses except the North Concourse.
- **Construction of first Phase 7** locations is nearing completion. Budget and estimate issues require resolution for the remainder of the phase.
- **Costs for construction of Phase 7** for Main Terminal and South Concourse PLB Wi-Fi have increased. Request additional budget to cover increased cost.
- **Phase 8** installs Wi-Fi on PLBs on the North Concourse.
- Design of Phase 8 is complete. Request construction authorization to complete North Concourse installation.

# Wi-Fi Project: Phasing Scope and Authorizations

Construction Package 1  
Authorized May 2016

**Phase 1**

Concourse C Ramp and Interior

**Completed 2017**

**Phase 3**

South Concourse Interior

**Completed 2017**

**Phase 4**

Concourse D Interior

**Completed 2017**

**Phase 6**

Bag Claim; Bagwell; Gina Marie Lindsey Hall

**Completed 2017**

Construction Package 2  
Authorized Aug 2017

**Phase 2**

Concourse A, B, D, South Satellite Exterior

**Completed 2018**

**Phase 5**

Central Terminal; Ticketing

**Completed 2018**

Construction Package 3  
Authorized Feb 2021

**Phase 7**

Passenger Loading Bridges at Concourses A, B, C, D and S Satellite

**Construction Underway**

Construction Package 4  
Requesting Authority Today

**Phase 8**

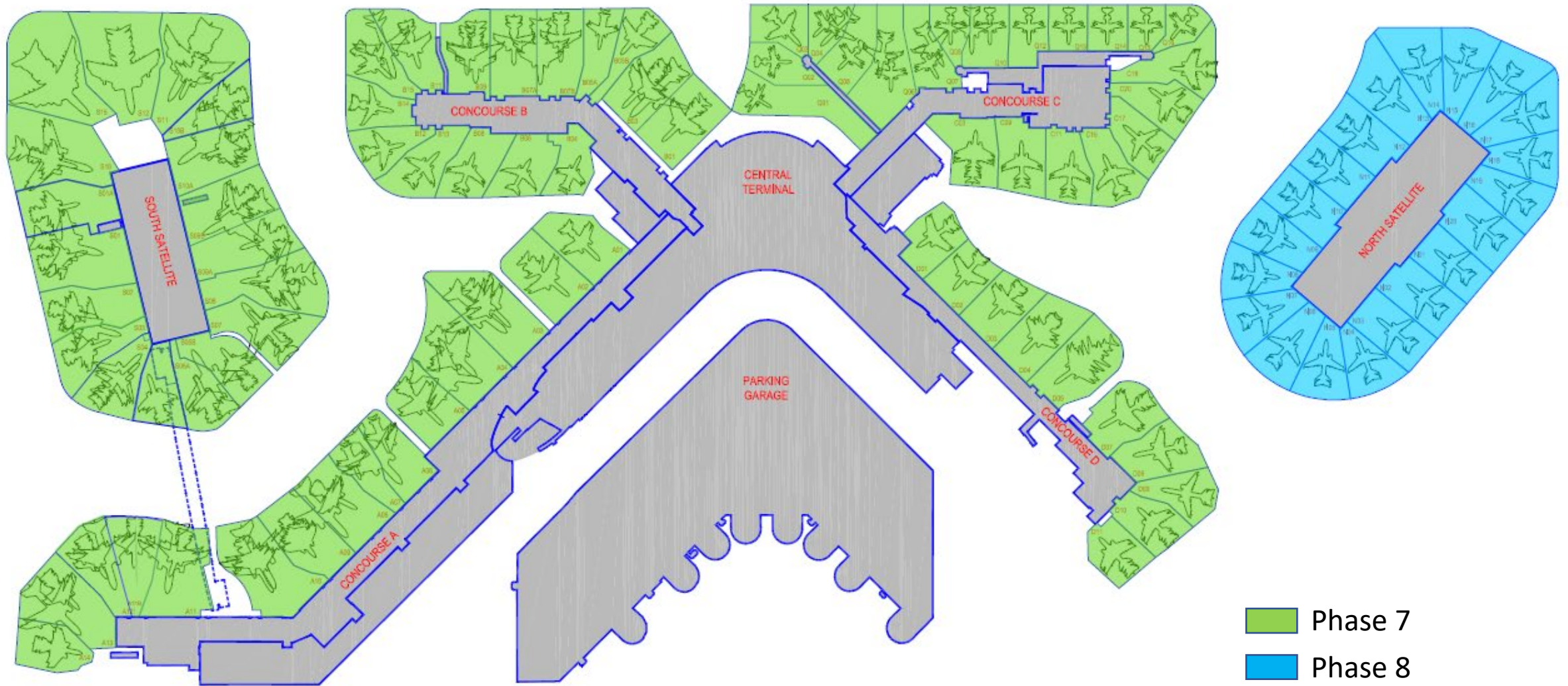
Passenger Loading Bridges at North Satellite

**Today's Request**

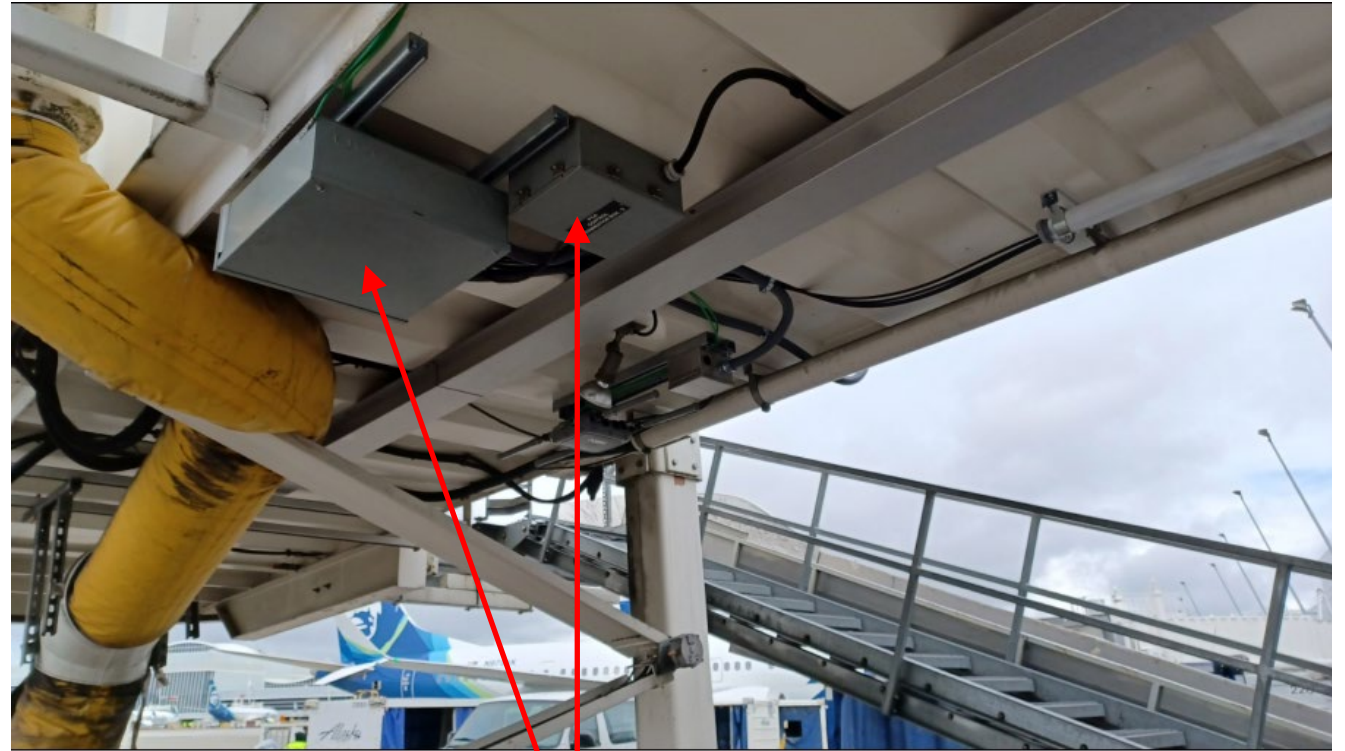
# Overview of Project Cost Increases

August 2014		May 2016		February 2021		Today's Request	
Budget Incr.		Budget Incr.	\$796,000	Budget Incr.	\$5,765,000	Budget Incr.	\$2,685,000
Total Budget	\$9,880,000	Total Budget	\$10,676,000	Total Budget	\$16,441,000	Total Budget	\$19,126,000
<b><u>Cost Drivers</u></b>		<b><u>Cost Drivers</u></b>		<b><u>Cost Drivers</u></b>		<b><u>Cost Drivers</u></b>	
<ul style="list-style-type: none"> <li>Initial authorization</li> </ul>		<ul style="list-style-type: none"> <li>Scope addition: added more antennas to fill in coverage gaps found during surveys</li> </ul>		<ul style="list-style-type: none"> <li>PLB design/construction complexities</li> <li>Scope addition: added North Concourse PLB Wi-Fi to the project (formerly part of NorthSTAR program)</li> </ul>		<ul style="list-style-type: none"> <li>Material &amp; equipment price increases and cost escalation (\$1.6M)</li> <li>Staff time and other soft cost increases due to schedule delays (\$1.1M)</li> </ul>	

# Remaining Phase 7 and 8 Scope



# First PLB Installation Progress



New Wi-Fi antenna

New equipment boxes

# Budget / Authorization Summary

	<b>Current</b>	<b>Increase</b>	<b>New</b>
<b>Budget</b>	\$16,441,000	\$2,685,000	\$19,126,000
<b>Authorization</b>	\$14,441,000	\$4,685,000	\$19,126,000



# Schedule

- Complete Construction as follows:
  - Concourse D – Q4 2023
  - Concourse C – Q2 2024
  - Concourse N – Q2 2024
  - Concourse A – Q4 2024
  - Concourse S – Q2 2025