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Item No. 8e_supp
Meeting Date: July 11, 2023

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

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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.

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Wi-Fi Project: Phasing Scope and Authorizations

Construction Package 1 Phase 1 Concourse C Ramp and Interior Completed 2017
Authorized May 2016

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 Phase 2 Concourse A, B, D, South Satellite Exterior Completed 2018

Authorized Aug 2017

Phase 5 Central Terminal; Ticketing Completed 2018

Construction Package 3

Construction

Authorized Feb 2021 Phase 7 Passenger Loading Bridges at Concourses A, B, C, D and S Satellite Underway

Construction Package 4

Requesting Authority Today Phase 8 Passenger Loading Bridges at North Satellite Today's Request

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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

Cost Drivers Cost Drivers Cost Drivers Cost Drivers
? Initial authorization ? Scope addition: added ? PLB design/construction ? Material & equipment
more antennas to fill in complexities price increases and
coverage gaps found ? Scope addition: added cost escalation (\$1.6M)
during surveys North Concourse PLB ? Staff time and other soft
Wi-Fi to the project cost increases due to
(formerly part of schedule delays (\$1.1M)
NorthSTAR program)

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Remaining Phase 7 and 8 Scope

Phase 7
Phase 8

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First PLB Installation Progress

New Wi-Fi New equipment
antenna boxes

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Budget / Authorization Summary

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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

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