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Item No. 8k_supp
Meeting Date: March 14, 2023
Concourse HVAC Infrastructure Renewal and
Replacement Program (CHIRRP)
Seattle-Tacoma
International Airport

Aging Infrastructure Impacting Critical Programs

Airport Dining and Retail Restroom Renovations Passenger Amenities

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Maintaining Our Assets: Investing In Our
Current Facility
Concourse B Concourse C
Last Renovated 1990 Last Renovated 1990
(31 years) (31 years)

Concourse D
Last Renovated 1990
(31 years)

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CHIRRP PROJECT PLANNING

Project
Design / Phased
Planning Definition
GCCM Construction
Document

We are here

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CHIRRP PROJECT SCOPE SUMMARY

CHIRRP
Concourse HVAC
Infrastructure Renewal &
Replacement Program

- Renew and Replace Aging Air Handler and HVAC Infrastructure
- Refurbishment/Replacement of associated utilities
- Address relevant code compliance issues
- Ceiling & Lighting renewal and replacement
- Ceiling mounted equipment/signage renewal and replacement

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CHIRRP Alternatives Comparison

Alt 3 Alt 2

Scope Items Included in Program

(Recommended) (Highest Cost)

Replace, Refurbish, or Add Supplemental Air Handlers X X

Emergency Power System Upgrades X X

Upsize and Replace Hydronic Heating Water Distribution and Chilled Water Distribution X X

Concourse Ceiling Replacement (No Holdrooms or ADR) X X

Fire Sprinkler, Fire Risers, Exit Signs X X

Security Camera Updates X X

Ceiling Mounted Signage X X

Raise Roof Structure to Raise Concourse Ceilings X

Ceiling Replacement in Circulation, Holdroom, and ADR/Tenant Spaces X

Complete Air Distribution System Re-design X

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ENERGY

REDUCTION

- Opportunity for energy

reduction with HVAC

refresh, efficient LED

lighting, and updated

lighting controls.

- Compliance Evaluation with upcoming State of Washington Clean Buildings

Performance Standards

- Contribute to Century

Agenda goals around energy

efficiency, reducing SEA's

footprint and lowering

costs.

Project Schedule

Commission PDD Authorization 2023 Quarter 1

Commission Design Authorization (through 30%) 2023 Quarter 1

PDD Start 2024 Quarter 1

**Commission Remaining Design Authorization 2024 Quarter 3

Design Start 2025 Quarter 1

Commission Construction Authorization 2027 Quarter 2

Construction Start 2027 Quarter 3

In-use date 2031 Quarter 3

*Schedule to be further refined within the Project Definition Document (PDD)

**Project will return to commission for remaining design authorization and

further updates near completion of the PDD in Q3/2024.

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Questions?

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