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Item No. 8d\_supp  
Meeting Date: September 12, 2023  
Telecommunication Meet Me Room (MMR)  
Fiber Construction  
Hein Mac Tyler Salisbury  
AV F&I – Manager Engineer AV PMG – Capital Project  
Electrical Manager

September 12 , 2023

#### Project Overview

Establish new permanent telecommunication connection pathway into the Airport

- Telephone services
- Internet and Intranet
- Wi-Fi connectivity and Office connections
- Airport Reservation System and Airport Check-in System

#### Benefits:

- Relocate legacy connections and upgrade from copper to high-speed fiber.
- Bring new services and service providers into the Airport.
- Provide connection redundancy and resiliency (Dual Pathway).

#### Request:

- Authorization for construction of the fiber connections
- This will fully authorize the Telecommunication Meet Me Room project

2

#### Project Scope - Fiber

- Fiber Scope
- Install fiber interconnections between Service providers and Port equipment.
- Install fiber in a primary pathway to each Main Distribution Room (MDR).
- Install fiber in a secondary pathway to each MDR.
- New tray and conduit pathways are required to keep the connections separated.

3

#### Project Opportunities

##### Opportunity DESCRIPTION

**Increased Resiliency** The project has identified and will be installing a secondary pathway to each MDR from the MMR. This will provide data redundancy and resiliency to the airport which is not currently available with the legacy connections.

**Diversity of services and providers** The MMR will have space for new service providers to access the airport. These providers can bring additional and competing services into the airport.

**Synergies with the Utility** This project aligns with recommendations in the Utility Master Plan for Master Plan and future increased resiliency and capacity for future growth. capacity

4

#### Project Risks and Mitigation

##### RISK DESCRIPTION MITIGATION PLAN

**Supply Chain - Fiber Availability** of fiber cabling • Identifying the long lead items in advance and working with the contractor to put orders in early.

5

Schedule

- Fiber Scope
  - Commission for construction authorization 3Q 2023
  - Construction Start 2Q 2024
  - Substantial Completion – Fiber 4Q 2025

6

Budget and Authorization

Authorization Amount Note

Previous authorization \$13,703,00 September 2022  
This Request \$7,997,000 Fiber – Construction Funding  
Total Authorized \$21,700,000 Building & Fiber fully authorized  
Total Remaining \$0

7

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8

Action Requested

- Authorization to advertise, award, and execute a major works construction contract to construct
- Use of Port of Seattle Crews for design support and pre-construction activities
- This request is to authorize \$7.997M
  - Total authorization is \$21.7M
  - This will fully authorize the Telecommunication Meet Me Room Project

9

Questions?

10