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Item No. 10b\_supp  
Date of Meeting March 26, 2024  
Taxiway A Circuit Replacement (CIP# C801303)  
Design and Construction Authorization  
Seattle-Tacoma  
International Airport

#### Taxiway A Circuit Replacement Request

- Request Commission authorization for the Executive Director to
  - authorize final design and preparation of construction bid documents;
  - advertise, award, and execute a major public works construction contract;
  - procure long lead items;
  - include a Project Labor Agreement for the contract; and
  - authorize use of Port crews for abatement work.
- The amount of this authorization request: \$39,205,000

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#### Project Background and Scope

##### Project Background

- Taxiway A was constructed in 1987, and centerline lighting has never been reconstructed.
- According to FAA Advisory Circular, any circuit with megger reading below 1 megohm is deemed as “destined for rapid failure”. Taxiway A centerline lighting circuits exhibit signs of distress with megger readings close to 1 megaohm.
- Furthermore, the conduit housing the circuit is corroded, making a cable pull unfeasible.?

##### Scope

- This project will install new Taxiway A centerline lighting circuits, LED light fixtures, constant current regulators, PVC conduit, and concrete panels above conduit.

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#### Project Details

- This project will be combined with the 2025 Airfield Pavement and Supporting Infrastructure Replacement Project (CIP# C800930) and 2025 Airfield Utility Improvement Project (CIP# C801177). These projects have overlapping work areas and design functionality, interdependent operational impacts, and share 2025 schedule milestones. As such they were planned, designed, and phased to be delivered concurrently for purposes of Airfield safety, efficiency, and minimization of operational impacts.

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#### Project Diagram

Taxiway A Circuit Replacement

2025 Airfield Pavement and Joint  
Seal Replacement

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#### Project Schedule

Schedule

Design complete 2024 Quarter 4

Construction start 2025 Quarter 1  
In-use date 2026 Quarter 1

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Project Budget  
Cost Breakdown Amount of this Request Total Estimated Project  
Cost  
Design \$6,282,000 \$6,577,000  
Construction \$30,527,000 \$30,527,000

Sales Tax \$2,396,000 \$2,396,000  
Total \$39,205,000 \$39,500,000

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Thank  
You!

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