

PORT OF SEATTLE
MEMORANDUM

COMMISSION AGENDA

Item No.

6c

Date of Meeting

January 12, 2010

DATE: December 28, 2009

TO: Tay Yoshitani, Chief Executive Officer

FROM: Michael Ehl, Director, Airport Operations
Wayne Grotheer, Director, Aviation Capital Improvement Program

SUBJECT: Request to advertise for construction bids for the 2010 Airfield Improvement Projects – Contract 1 at Seattle-Tacoma International Airport CIP 102038.

REQUEST: Request authority for the Chief Executive Officer to advertise and award a construction contract for the 2010 Airfield Improvement Projects – Contract 1, consisting of Apron Pavement Replacement and Taxiway G Signs at Seattle-Tacoma International Airport (Airport).

AMOUNT OF REQUEST: \$0

SOURCE OF FUNDS: Passenger Facility Charges (PFCs) and bonds.

SYNOPSIS:

This authorization will allow construction bids to be obtained for the scope of work under the multi-year Apron Replacement Program (CIP C102038) that was earlier authorized in January 2003 by the Commission. This contract will be accomplished within existing authorized funds. This project will not increase the Airport's forecasted cost per enplanement. The value of the project is estimated to be \$2,600,000. The total amount authorized for this CIP is \$16,100,000.

PROJECT DESCRIPTION/SCOPE OF WORK

Project Statement:

Replacement of approximately seventy-eight (78) aging apron pavement panels, related utility modifications and installation of Taxiway G signage.

Project Objectives:

The objectives of this project are to: 1) replace apron pavement at the Airport that has served its useful life. Further, the objective is to replace pavement before it becomes a hazard to people and aircraft through uneven surfaces, cracks and spalling; and 2) install airfield guidance signage along Taxiway G in compliance with advised NASA safety system recommendations.

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Scope of Work:

This authorization is for the advertisement and award of the following scopes of work as shown on attachment A:

- Replace approximately 13 apron concrete panels in the area south of the South Satellite
- Replace approximately 59 apron concrete panels and utility modifications in the area between C Concourse and the North Satellite
- Replace approximately 6 apron concrete panels and utility modifications in the area north of the North Satellite
- Install airfield guidance signs in relation to Taxiway G.

STRATEGIC OBJECTIVES

This project supports the Port's Strategic Objectives to Ensure Airport Vitality and Be a Catalyst for Regional Transportation Solutions Strategies. This project will replace failed apron concrete panels and provide safety and flight crew situational awareness along the Airport's Surface Movement Guidance and Control System route, meeting advised compliance with the NASA recommended safety initiative.

ALTERNATIVES CONSIDERED/RECOMMENDED ACTION

- A. Do nothing. This alternative would allow the existing pavement to continue to deteriorate with increased maintenance and an increased risk of pavement failure that could severely affect aircraft operations and safety. Taxiway signage will not meet safety advisory initiative.
- B. Delay the project. Delaying the project would defer the replacement of pavement panels and the installation of new signage, increasing risks to aircraft operations and safety.
- C. The preferred alternative is to continue the multi-year apron pavement replacement, in phased annual projects, and install taxiway signage to minimize Airport operational impacts.

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FINANCIAL IMPLICATIONS

Budget/Authorization Summary

Original Budget	\$16,100,000
Budget Transfers	\$0
Revised Budget	\$16,100,000
Previous Authorizations	\$16,100,000
Current request for authorization	\$0
Total Authorizations, including this request	\$16,100,000
Remaining budget to be authorized	\$0

Approximately \$13,500,000 has been spent thus far.

Project Cost Breakdown

Construction costs	\$1,700,000
Sales tax	\$160,000
Outside professional services and Other	\$740,000
Total	\$2,600,000

SOURCE OF FUNDS

The apron replacement project is included in the 2010-2014 Capital Budget and Plan of Finance under CIP #C102038. Funding for this project will come from a combination of Passenger Facility Charges (PFCs) and bonds. The 2010 costs will be funded with existing revenue bonds.

Taxiway G signage will be funded through the Airport Development Fund (ADF).

ECONOMIC IMPACTS

This scope of work will be accomplished within the existing budgets and authorizations. An estimated 25 different jobs of varying crafts with an approximate average duration of 2 months will be employed on-site to complete the construction contract.

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ENVIRONMENTAL SUSTAINABILITY/COMMUNITY BENEFITS

This project is in alignment with the Port's goal of improving the long term sustainability of its facilities and operations. This project supports and incorporates environmental and safety initiatives.

TRIPLE BOTTOM LINE SUMMARY

These measures are to facilitate a safe and secure environment for the airlines and the traveling public and will improve the efficiency of airline operations.

PROJECT SCHEDULE

- Complete Design: 1st Quarter 2010
- Start Construction: 2nd Quarter 2010
- In-use Date: 4th Quarter 2010
- Project Completion date: 4th Quarter 2010

BACKGROUND

Approximately \$13,400,000 has been spent to date for pavement replacement adjacent to Concourse A, various areas adjacent to the fuel hydrant system installation, the apron area between Concourse B and the South Satellite, and the apron area adjacent to the Alaska Airlines Hanger.

The total overall airfield includes over 2300 acres of pavement to support aircraft. Although 2 of the 3 runways are relatively new, they only comprise 3 % of the total area. The pavement being replaced in this contract varies in age from 5 to 40 years and had a design life of 20 years.

For airfield safety and compliance with a proposed National Aeronautics and Space Administration (NASA) national safety initiative, additional Taxiway Guidance Signage along a portion of the Airport's Surface Movement Guidance and Control System route are needed to better identify Taxiway G.

The Taxiway G signage is funded from the Airport Development Fund, Small Jobs CIP C800017, and is being incorporated into this contract for administrative efficiency. Commission authorization is not required for this portion of the proposed contract.

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OTHER DOCUMENTS ASSOCIATED WITH THIS REQUEST:

Attachment A – 2010 Airfield Improvement Projects Contract 1.

PREVIOUS COMMISSION ACTION

On January 14, 2003, the Commission authorized the expenditure of \$16,100,000 for a multi-year Apron Replacement Program (CIP C102038).

On February 26, 2008, the Commission authorized the amendment of CIP C102038 to amend the scope of work to include utility repairs and replacement within and in the vicinity of the work area.