

**PORT OF SEATTLE**  
**MEMORANDUM**

**COMMISSION AGENDA**

**Item No.** 8c  
**Date of Meeting** February 24, 2009

**DATE:** February 11, 2009

**TO:** Tay Yoshitani, Chief Executive Officer

**FROM:** Peter Garlock, Chief Information Officer

**SUBJECT:** ICT requests that the Port Commission authorize the Chief Executive Officer to approve all work and contracts including: advertise, award, administer, prepare, execute and amend any and all necessary service agreements for the Parking Consolidation Project for additional funding of \$65,000 on a total project amount not to exceed \$250,000.

**BACKGROUND**

Seattle-Tacoma International Airport currently uses four legacy parking payment systems that perform similar functions. These systems were written some time ago in a now obsolete programming language. With no documentation, and running on hardware that is no longer supported by the vendor, continued support of these systems is increasingly challenging.

In 2007, a small capital project was approved to consolidate the four separate applications supporting airport parking programs into a single new system in order to reduce maintenance costs and minimize risk of failure. The consolidation solution was estimated to save \$300,000 over the estimated cost of \$485,000 to replace each aging system individually.

Upon final testing of the new system design, a few problems were identified that could not be foreseen during development due to the poor design and documentation of the legacy systems and related data. These problems cannot be resolved without additional authorization because the estimated additional cost of \$65K needed to resolve the issues would exceed our original authorization of \$185k. For this reason, the project was put on hold.

**REQUIREMENT**

In order to complete the Parking System Consolidation Project, further ICT development and testing is needed to eliminate the legacy systems. This effort is estimated to cost an additional \$65K, raising total the cost of the project to \$250K, changing the estimated savings to \$235,000.

**PREVIOUS COMMISSION REVIEW/ACTION**

There was no previous commission review or action required on the original project funding approval of \$185,000.

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### **PROJECT DESCRIPTION/SCOPE OF WORK**

**Project Statement:** Complete the development required to deploy a fully functional Port Parking system that will support Premier Corporate, Passport and Employee Passport Parking programs.

**Project Objectives:** Decommissioning of the legacy systems will result in reduced maintenance costs and risk of failure due to aging system architecture.

**Scope of Work:** Project scope includes the development, quality assurance, and deployment to meet project objectives.

### **STRATEGIC OBJECTIVES**

This project supports the following Port strategies:

- “Ensure Airport and Seaport Vitality” by reducing maintenance costs and risk of failure from legacy systems.
- “Be a high performance organization” through system integration and consolidation.

### **ALTERNATIVES CONSIDERED/RECOMMENDED ACTION**

1. Complete remaining work to resolve data inconsistencies and ensure a quality deployment. This alternative will allow us to fully realize benefits through the decommissioning of legacy parking systems. This is the recommended solution.
2. Do no further work to resolve issues and continue to support the three legacy parking systems. This is not the recommended solution.

### **FINANCIAL IMPLICATIONS**

#### **Budget/Authorization Summary**

Original Budget	\$185,000
Budget Transfers	\$0
Revised Budget	\$0
Previous Authorizations	\$0
Current request for authorization	\$65,000
Total Authorizations, including this request	\$250,000
Remaining budget to be authorized	\$0

#### **Project Cost Breakdown**

Original Budget	\$185,000
Port Labor for Implementation and Testing	\$55,000
Contingency	\$10,000
<b>Total</b>	<b>\$250,000</b>

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### **Source of Funds**

This project is budgeted in CIP C800066, AV/IT Small Capital Projects.

### **Financial Analysis**

<b>CIP Category</b>	Renewal/Enhancement
<b>Project Type</b>	Technology
<b>Risk adjusted Discount rate</b>	NA
<b>Key risk factors</b>	NA
<b>Project cost for analysis</b>	\$250,000
<b>Business Unit (BU)</b>	Aviation - Landside
<b>Effect on business performance</b>	NOI will increase due to increased depreciation
<b>IRR/NPV 5 year</b>	NA
<b>CPE Impact</b>	None

### **PROJECT SCHEDULE**

Development	June 2009
Testing	July 2009
Project Complete	August 2009