

**SOUND TRANSIT  
STAFF REPORT**

**RESOLUTION NO. R2007-17**

**Budget Amendment for the Mobile Communications Project**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	7/19/07	Discussion/Possible Action to Recommend Board Approval Action	Ellen Gustafson, Acting Director, Transportation Services	(206) 398-5094
Board	7/26/07		<b>Timothy Dunn, ST Express Operations Manager</b>	<b>(206) 398-5016</b>

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement		Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	
Agreement with Other Jurisdiction(s)		Budget Amendment	✓
Real Estate		Property Acquisition	

**PROJECT NAME**

Mobile Communications Project

**PROPOSED ACTION**

Amends the Adopted 2007 Budget for the Transportation Services Department to create a new Mobile Communications project with a project budget of \$5,720,000 and transfer a total of \$4,520,000 from the Bus Maintenance Base project and \$1,200,000 from the Research and Technology Fund to fund this project.

**KEY FEATURES of PROPOSED ACTION**

- This proposed amendment would transfer \$4,520,000 from the Bus Maintenance Facility project (#261); including \$3,991,000 from Pierce County and \$529,000 from South King County, as well as \$1,200,000 from the Research and Technology Fund of the Regional Fund.
- The proposed amendment is necessary to provide funding for the Mobile Communications project agreement, which will be taken to the Board concurrent with this proposed action.
- The remaining project budget in the Bus Maintenance Facility project would be sufficient to fund a proposed Sound Transit contribution to a Pierce Transit maintenance base project which will be taken to the Board in another action.
- The Research and Technology Fund, which is funded by the Regional Fund, has maintained \$1,200,000 to fund this scope of work, which among other things will improve rider convenience, enhance transit reliability and predictability, and enhance rider comfort levels. The project is part of the Research and Technology Corridor Technology Initiative contained in the Sound Transit Technology Plan.

- This project supports the continued safe operation of the Sound Transit system and has been contained in previous proposed capital budgets. The project was removed from the budget pending further definition of scope which is being provided here. Therefore, the creation of this project as a separate capital project is not a change to Sound Move.

## **BUDGET IMPACT SUMMARY**

Current Project Phase: Procurement  
Projected Completion Date: 2008

<b>Action Outside of Adopted Budget:</b>	<b>✓</b>	<b>Comments on Checked Items</b>
This Project	✓	The action would create and fund a separate project entitled the Mobile Communications project
This Phase		
This Task		
Budget Amendment Required	✓	Funding for this project will need to be made available through a budget amendment allocating \$5.72 million from the Research and Technology Fund, and the Pierce and South King County Bus Maintenance Facility projects.

<b>Key Financial Indicators:</b>	<b>✓</b>	<b>Comments on Checked Items</b>
Contingency Funds Required		
Funding required from other parties (other than what is in financial plan)		

Not checked = action is assumed in current Board-adopted budget. No budget action or adjustment to financial plan required.

## **BUDGET and FINANCIAL PLAN DISCUSSION**

The Adopted 2007 Budget included a total of \$23.6 million for the Bus Maintenance Facility (project #261), including a total project budget of \$10.2 million in Pierce County funds and \$3.4 million in South King County funds. Through April 2007, a total of less than \$10K has been spent in either subarea for the Bus Maintenance Facility project. The proposed amendment would still leave sufficient funding available in the South King County and Pierce County subareas for an anticipated commitment to a Pierce Transit Bus Maintenance Facility project which is currently being negotiated and will be brought to the Board separately from this action.

Subarea participation in partner infrastructure projects such as this one is based on the percentage of service operated by that partner which benefits that particular subarea as described by the Service Implementation Plan. For Pierce Transit, the relative share is 88.3% to Pierce County and 11.7% to South King County. Route 574, which stops at Federal Way, is proportionately assigned to South King County.

The Research and Technology project (#410) was included in the Adopted 2007 Budget with a lifetime project budget of \$10.2 million, of which approximately \$3.0 million has been spent to date.

The proposed resolution would amend the Adopted 2007 Budget by transferring \$3,991,000 from the Pierce County portion of the Bus Maintenance Facility project, \$529,000 from the South King County portion of the Bus Maintenance Facility project, and \$1,200,000 from the Research and Technology project into a new project budget, with a lifetime grand total of

\$5,720,000 for the Mobile Communications project. As a result of the amendment, the lifetime Transportation Services capital program would increase by \$1,200,000 and the lifetime Transit Vision capital program would decrease by \$1,200,000. This amendment would also increase the total (Pierce/South King) subarea budgets and reduce the total regional fund budget by \$1,200,000. The total agency capital program would remain unchanged.

The budget amendment would make available funding for Sound Transit participation in a Mobile Communications project that will be managed by Pierce Transit. The total project budget is \$30.6 million, while the Sound Transit share is capped at \$5,720,000. The 2007 portion of the project budget would be increased by a total of \$4,750,000 to reflect anticipated spending on the Mobile Communications project during the remainder of this year.

## **BUDGET TABLE**

The amendment would impact the Transportation Services Capital Budget as follows:

Summary for Board Action (Year of Expenditure \$000)

Project: NEW - Pierce Transit Mobile Communications Project

Lifetime Budget Impacts:

	Adopted 2007 Lifetime Budget <sup>1</sup> (A)	Proposed Budget Amendment <sup>2</sup> (B)	Revised 2007 Lifetime Budget (C)
1 Agency Administration	\$ -	\$ -	\$ -
2 Preliminary Engineering	\$ -	\$ -	\$ -
3 Final Design	\$ -	\$ -	\$ -
4 Right of Way	\$ -	\$ -	\$ -
5 Construction	\$ -	\$ 5,720	\$ 5,720
6 Contingency	\$ -	\$ -	\$ -
7 Total Lifetime Budget	\$ -	\$ 5,720	\$ 5,720
8 Pierce County Bus Maintenance Facility Project	\$ 10,155	\$ (3,991)	\$ 6,164
9 South King County Bus Maintenance Facility Project	\$ 3,390	\$ (529)	\$ 2,861
10 All Other Bus Maintenance Facility Project	\$ 10,072	\$ -	\$ 10,072
11 Total Bus Maintenance Facility Project	\$ 23,617	\$ (4,520)	\$ 19,097
12			
13 All Other Transportation Services projects	\$ 203,153	\$ -	\$ 203,153
14 Total Transportation Services Capital Program	\$ 226,770	\$ 1,200	\$ 227,970
15			
16 Research and Technology Fund	\$ 10,203	\$ (1,200)	\$ 9,003
17			
18 Total	\$ 236,973	\$ -	\$ 236,973

**Notes:**

<sup>1</sup> This is a new project that was not included in the Adopted 2007 Budget. The budget for the Bus Maintenance Base project is included on page 66 of the Adopted 2007 budget book, as amended by Resolution R2007-11.

<sup>2</sup> The proposed budget amendment would reallocate \$3,991,000 from the Pierce County Bus Maintenance Base project, \$529k from the South King County Bus Maintenance Base project, and \$1,200,000 from the Research and Technology Fund to create a \$5,720,000 project budget for a Pierce Transit Mobile Communications Project..

Annual 2007 Capital Budget Impacts:

	Adopted 2007 Budget <sup>1</sup> (A)	Proposed Budget Amendment <sup>2</sup> (B)	Revised 2007 Budget (C)
1 Agency Administration	\$ -	\$ -	\$ -
2 Preliminary Engineering	\$ -	\$ -	\$ -
3 Final Design	\$ -	\$ -	\$ -
4 Right of Way	\$ -	\$ -	\$ -
5 Construction	\$ -	\$ 4,750	\$ 4,750
6 Contingency	\$ -	\$ -	\$ -
7 Total Annual 2007 Budget	\$ -	\$ 4,750	\$ 4,750

## **SMALL BUSINESS PARTICIPATION**

Not applicable for this action.

## **PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION**

Pierce Transit has prepared a \$30.6 million Mobile Communications Project to replace their radio communications system (Motorola contract, contingency, taxes, macro support, communications center equipment, server room and communications center construction). The project is designed to replace communication systems that are obsolete and unreliable. The new system will provide advanced communications and data collection systems, include next stop announcements meeting ADA requirements and support next bus information at ST Express stops.

The cost share was calculated based on the number of buses operated by Pierce Transit. The Sound Transit fleet represents 19% of Pierce Transit bus operations therefore; the Sound Transit cost is 19% of the project. The Sound Transit contribution is capped at \$5.72 million and draws from the Base Maintenance Facility Pierce County and South King County subarea funds and the Research and Technology fund. The funding will pay for radio and on-board computer equipment, AVA (automated vehicle announcement signs), APC (automated passenger counter units), on-time performance data and other automated data collection to support FTA and NTD reporting requirements, spares of 5%, macro support and taxes.

The CAD/AVL element will provide the interface for both radio and vehicle monitoring and control, integrate with Hastus scheduling software management, text messaging between the bus driver and control center, expand the number of buses with APC include advanced data collection abilities, on-time performance tracking, automated next stop announcements and the necessary systems for next-bus information at ST Express stops. It will also support the options that can be added in the future such as vehicle performance monitoring.

The new system will provide significant improvements to communications between the bus driver, communications center and field supervisors providing improved service reliability and enhance the en-route information for customers. Also, it will discontinue manual data collection in the field by collecting real time data electronically for service planning analysis and faster response time to service issues and service demands.

The development of the project has been in progress for a couple of years and the expected completion date is mid 2008. The communications systems generally have a useful life span of about 15 years.

## **CONSEQUENCES of DELAY**

Execution of the agreement with Pierce Transit for this project requires a budget amendment to be adopted by a supermajority of the Board. Though the agreement is in its final stages of development, we would like to assure a supermajority of the Board is available prior to the summer months. Delays in funding the agreement would affect the project timeline and Pierce Transit's contract with Motorola resulting in higher costs and transition difficulties.

**PUBLIC INVOLVEMENT**

Not applicable to this action.

**ENVIRONMENTAL COMPLIANCE**

SSK 7/13/07

**LEGAL REVIEW**

JW 7/13/07

## **SOUND TRANSIT**

### **RESOLUTION NO. R2007-17**

A RESOLUTION of the Board of the Central Puget Sound Regional Transit Authority amending the Adopted 2007 Budget to create a new Mobile Communications project with a project budget of \$5,720,000 and transfer a total of \$4,520,000 from the Bus Maintenance Base project and \$1,200,000 from the Research and Technology Fund to fund this project.

WHEREAS, a Regional Transit Authority, hereinafter referred to as Sound Transit, has been created for the Pierce, King, and Snohomish County region by action of their respective county councils pursuant to RCW 81.112.030; and

WHEREAS, on November 5, 1996, at a general election held within the Central Puget Sound Regional Transit Authority district, the voters approved local funding for high capacity transit in the Central Puget Sound Region; and

WHEREAS, by Resolution No. R2006-24, the Sound Transit Board adopted the 2007 Budget on December 14, 2006; and

WHEREAS, the need has arisen for the creation of a Mobile Communications project to support service operated on behalf of Sound Transit by Pierce Transit; and

WHEREAS, there is sufficient budget to fund Bus Maintenance Facility projects in South King County and Pierce County; and

WHEREAS, the Research and Technology Fund was created to fund transit technology that will improve the effectiveness and efficiency of public transit as well as improve customer service, safety and security; and


WHEREAS, said budget amendment is consistent with and affordable under Board-adopted financial policies as established by Resolution No. R72-1; and

WHEREAS, a two-thirds affirmative vote of the entire membership of the Sound Transit Board is required to amend the Adopted 2007 Budget.


NOW, THEREFORE, BE IT RESOLVED by the Board of the Central Puget Sound  
Regional Transit Authority that:

Section 1. The Adopted 2007 Budget is hereby amended to create a Mobile  
Communications project and fund this project by transferring \$1,200,000 from the Research  
and Technology Project from the Regional Fund, \$3,991,000 from the ST Express Bus  
Maintenance Facility project for the Pierce County subarea and \$529,000 from the ST Express  
Bus Maintenance Facility project for the South King County subarea for a new project lifetime  
budget of \$5,720,000.

ADOPTED by the 2/3 of the Board of the Central Puget Sound Regional Transit  
Authority at a regular meeting thereof held on July 26, 2007.

  
Connie Marshall  
Board Vice Chair

ATTEST:

  
Marcia Walker  
Board Administrator