

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2007-112

Contract Amendment for Passenger Information Management System

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	11/1/07	Discussion/Possible Action	Kevin Crawford, Chief Information Officer Nick Marquardt, Senior IT Project Manager	(206) 398-3034 (206) 689-4903

Contract/Agreement Type:	<input checked="" type="checkbox"/>	Requested Action:	<input checked="" type="checkbox"/>
Competitive Procurement		Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	<input checked="" type="checkbox"/>
Agreement with Other Jurisdiction(s)		Budget Amendment	
Real Estate		Property Acquisition	

PROJECT NAME

Passenger Information Systems Expansion Project

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract amendment with GE Transportation Systems Global Signaling to provide engineering, equipment, and installation services for the Passenger Information Management System in the amount of \$1,290,583 with a 5% contingency of \$64,529 totaling \$1,355,112 for a new total authorized contract amount not to exceed \$4,834,544.

KEY FEATURES of PROPOSED ACTION

- The existing Sounder Station and Train Passenger Information System was designed to include future stations and services. This action will procure equipment, upgrade the existing systems, and provide installation, integration, and testing to the Sounder stations, the existing Sounder fleet, and the “returning” Sounder fleet, which had been previously leased to other transit agencies and is now being brought back for Sound Transit’s use.
- The expansion of the GE Passenger Information System includes the installation of system devices on the returning Sounder fleet and upgrades to the existing Sounder fleet; expansion and integration of ST Express Bus information into the system for providing real-time bus arrival information at specific Sounder Stations.
- This action is needed because it will allow Sound Transit to expand its existing Sounder station and train passenger information and communications systems for purposes of presenting real time electronic transit information to customers; such as customer service, real time vehicle arrival, safety, and security messages.
- The systems expansion will allow Sound Transit to remain on the same equipment and software platform, reducing training and maintenance needs.

- The contract modification includes all engineering, equipment and installation services as defined in the scope of work.
- Staff is recommending a 5% contingency for this contract modification as an allowance for changes encountered during performance of this work

BUDGET IMPACT SUMMARY

There is no action outside of the Board-adopted budget; there are no contingency funds required, no subarea impacts, or funding required from other parties other than what is already assumed in the financial plan.

BUDGET and FINANCIAL PLAN DISCUSSION

The proposed action would authorize change orders to an existing contract with GE Transportation Systems (GETS) Global Signaling in the amount of \$1,355,112, allowing Sound Transit to expand its existing Sounder station and train passenger information and communications systems for purposes of presenting real time electronic transit information to customers; such as customer service, vehicle arrival, safety, and security messages. This project is funded through a variety of sources based on the type of work proposed; including the Sounder transit operations budget, maintenance of vehicles, for operating expense project elements (approximately \$1,020k), and the Research and Technology Fund (project #410) for the Sounder station VMS expansion pilot project (approximately \$336k).

Sounder Operating Projects (\$1,020k): The Sounder Transit Operations Budget for 2007 includes \$7.6 million for maintenance of vehicles, while the Proposed 2008 Transit Operations Budget includes \$8.8 million for vehicle maintenance. Through September 2007, a total of approximately \$5 million has been spent to date. Approximately \$150k from the remaining 2007 Maintenance of Vehicles Budget will be applied to the operating elements of this project work, with the remaining \$870k funded out of the 2008 Transit Operations Budget.

Sounder station VMS expansion to include bus information (\$336k): A research and technology pilot project for GETS to provide software development to expand the real-time passenger information to include bus information would be funded out of the Research and Technology fund (project number 410). The Research and Technology Fund has a current lifetime project budget of approximately \$9 million; this budget was reduced from the 2007 budget book by a budget amendment approved by the Board earlier this year which moved \$1.2 million from the Research and Technology fund to the ST Express Mobile Communications project. Through September 2007, the spending to date from this fund has been approximately \$3.4 million.

BUDGET TABLE

The Adopted 2007 Budget for Sounder transit operations appears on page 55 of the budget book and the Research and Technology Fund budget appears on page 42 of the budget book. The impact of the proposed action on the 2007-08 transit operations budgets and the Research and Technology Fund is illustrated below:

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

Action Item: Execute a contract amendment with GE Transportation Systems Global Signaling

Contract Budget	Current Approved Contract¹ (A)	Committed to Date (B)	Proposed Action (C)	Proposed Total Contract Value (D)
1 GE Transportation Systems Global Signaling	\$ 3,385	\$ 3,385	\$ 1,291	\$ 4,675
2 Contingency	95	95	65	159
3 Total	3,479	3,479	1,355	4,835
4 Percent Contingency	3%	3%	5%	3%

Contract to be Charged: Transportation Services Department, Account Budget	Current Board Adopted Budget²	Committed to Date³	2007 Portion Proposed Action⁴	Future Operating Budgets⁵	Proposed Contract Value
5 Sounder Commuter Rail, Maintenance of Vehicles	\$ 175	\$ -	\$ 150	\$ 870	\$ 1,020
6 Other Maintenance of Vehicles	7,437	6,100	-	-	\$ -
7 Sounder Maint. Of Vehicles	\$ 7,612	\$ 6,100	\$ 150	\$ 870	\$ 1,020

Contract to be Charged: Research and Technology Fund	Current Board Adopted Budget²	Committed to Date³	2007 Portion Proposed Action⁴	Future Budgets⁵	Proposed Contract Value
8 R&T Fund	6,365	3,400	65	271	336

Notes

¹ The contract was originally approved by the Finance Committee through Motion M2004-114 on November 18, 2004 with a total amount of \$3,723,207, including \$338,473 of contingency. In fact, the scope elements included in that contract were executed for a total cost of \$3,479,432, which is the amount shown here. The remaining contingency amount is closed out and will not be spent.

² Contract will be charged to Sounder maintenance of vehicles budget, from page 55 of the Adopted 2007 Budget and the Research and Technology Fund, from page 42 of the Adopted 2007 Budget.

³ Committed to date per expenditures incurred through September 2007.

⁴ This amendment would add \$1.4 million to the contract. Of this amount, approximately \$215k would be spent in 2007 with the balance coming in 2008.

⁵ Represents the amount expected to be included in the 2008 transit operations budget and the Research and Technology Fund for expenditures under this contract. This amount would be available to fund the remaining balance of the proposed contract.

SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

GE Transportation Systems Global Signaling (GETS) is the prime contractor for this contract. It's actuals to date on the base contract is a total M/W/DBE and Small Business participation of 28%.

Utilization Breakdown Table

Subconsultant	Business Type	% of Work	Dollar Value
Midvale Electric	Small Business	26%	\$918,814
Monterrey Electric	M/DBE	2%	\$53,185
Totals		28%	\$1,320,000

EEO Commitment

The GETS workforce demographics are 18.39% women and 5.75% people of color. GETS is an Equal Employment Opportunity Employer and is committed to diversity.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

In 2005, the Sounder Passenger Information Management Systems (PIMS) and Closed Circuit TV was designed and installed by GE Transportation Systems to improve safety, security, operations and customer service among Sounder services and commuter rail stations. The contract was procured through a competitive process, with seven contractors submitting proposals and six contractors interviewed prior to selection. The project was 80% federally funded through grants.

The major components of the project included station area electronic variable message signs, public address, closed circuit TV recording and monitoring, real-time customer messaging from a central control console, and train location and management software located at Union Station. The system provides station area and onboard automated traveler information in both visual and audio formats.

This contract modification will install the current system components on the returning Sounder fleet in 2007 and 2008 and provide for an expansion of the current system components and functionality. The expansion and enhancements will include:

- A Passenger Emergency Alarm for on-board Sounder Train Cars
- Directional electronic signage on-board Sounder Train Cars
- Installation of PIMS system train components on-board the returning Sounder Trains
- Communication enhancements for the Sounder on-board trainline
- Software development to expand real-time passenger information at Sounder's south line stations to include Regional Express bus information.

Prior Board/Committee Actions

Motion/Resolution Number and Date	Summary of Action
M2004-114 11/18/2004	Authorizes the Chief Executive Officer to execute a contract with GE Transportation Systems Global Signaling to design, furnish, install, and test a Closed Circuit Television, Passenger Information Management System, and Global Position Systems based Automatic Vehicle Location, for the Sounder south line stations and services in the amount of \$3,384,734 with a 10% contingency of \$338,473, for a total authorized contract amount not to exceed \$3,723,207
M2002-101 9/12/2002	A motion of the Board of the Central Puget Sound Regional Transit Authority adopting the Sound Transit Technology Plan for funding the development and implementation of advanced transit technologies and authorizing the Executive Director to take necessary steps to implement the Plan

CONSEQUENCES of DELAY

A delay will prevent the returning Sounder fleet from being outfitted with the current system components needed to operate as the current fleet.

PUBLIC INVOLVEMENT

Not applicable to this action.

ENVIRONMENTAL COMPLIANCE

SSK 10/22/07

LEGAL REVIEW

JW 10/24/07

SOUND TRANSIT

MOTION NO. M2007-112

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract amendment with GE Transportation Systems Global Signaling to provide engineering, equipment, and installation services for the Passenger Information Management System in the amount of \$1,290,583 with a 5% contingency of \$64,529 totaling \$1,355,112 for a new total authorized contract amount not to exceed \$4,834,544.

Background:

In 2005, the Sounder Passenger Information Management Systems (PIMS) and Closed Circuit TV was designed and installed by GE Transportation Systems to improve safety, security, operations and customer service among Sounder services and commuter rail stations. The contract was procured through a competitive process, with seven contractors submitting proposals and six contractors interviewed prior to selection. The project was 80% federally funded through grants.

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This contract modification will install the current system components on the "returning" Sounder fleet (which had been previously leased to other transit agencies and is now being brought back for Sound Transit's use) in 2007 and 2008 and provide for an expansion of the current system components and functionality. The expansion and enhancements will include:

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- Communication enhancements for the Sounder on-board trainline
- Software development to expand real-time passenger information at Sounder's south line stations to include Regional Express bus information.

Motion:

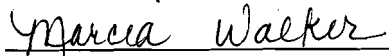
It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract amendment with GE Transportation Systems Global Signaling to provide engineering, equipment, and installation services for the Passenger Information Management System in the amount of \$1,290,583 with a 5% contingency of \$64,529 totaling \$1,355,112 for a new total authorized contract amount not to exceed \$4,834,544.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 1, 2007.



Fred Butler
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator