

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2004-114

Contract with GE Transportation Systems Global Signaling

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	11/18/04	Discussion/Possible Action	Sheila Dezarn Program Manager, Office of Policy & Planning Martin Young, Operations Manager, Transportation Services Nick Marquardt, Project Manager, Office of Policy & Planning	(206) 398-5071 (206) 398-5115 (206) 689-4903

Contract/Agreement Type:	<input checked="" type="checkbox"/>	Requested Action:	<input checked="" type="checkbox"/>
Competitive Procurement	<input checked="" type="checkbox"/>	Execute New Contract/Agreement	<input checked="" type="checkbox"/>
Sole Source	<input type="checkbox"/>	Amend Existing Contract/Agreement	<input type="checkbox"/>
Interagency Agreement	<input type="checkbox"/>	Contingency Funds (Budget) Required	<input type="checkbox"/>
Purchase/Sale Agreement	<input type="checkbox"/>	Budget Amendment Required	<input type="checkbox"/>

✓ Applicable to proposed transaction.

ACTION

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.

KEY FEATURES

This contract is design – build for a turnkey Closed Circuit TV and Passenger Information Management Systems for Sounder’s south –line stations and services, including:

- Central Control System
 - Public Address System
 - Variable Message Sign Systems
 - Closed Circuit TV camera’s
 - Customer Emergency Stations
 - Automatic Vehicle Location
 - Fiber Communications Network Equipment
 - On-board (train) automated messages
 - Local station PA controller
- Sound Transit adopted a best value procurement process for this contract. Seven contractors submitted proposals in response to Sound Transit’s Request Proposals issued in June 2004. Six contractors received interviews and the selected contractor was within the engineer’s estimate.

- This system will allow Sounder and Sound Transit to provide automated and real-time information to Sounder stations and enhance safety and security among its services. This system was envisioned as part of Sounder stations and services, with infrastructure for the system installed at the time of station construction.
- This contract is over 80% funded through an existing Federal Transit Administration Grant and recently awarded Department of Homeland Security Grant.
- The system will be designed to include all future stations, and at the time of future station construction the equipment, installation, integration and testing will be procured and funded through the remaining funds in this project budget.
- Staff is recommending a 10% contingency for this contract 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 DISCUSSION

The current adopted budget contains \$4.2 million for construction. Of this, \$325,600 has been committed so far. This proposed action for \$3.7 million, together with prior commitments, is within the budget. The project budget contains sufficient funds for this effort and committing these funds will not endanger any other project elements that are to be funded out of the overall project.

REVENUE, SUBAREA, AND FINANCIAL PLAN IMPACTS

The proposed action is consistent with the current Board-adopted budget and is affordable within Sound Transit's current long-term financial plan and the subarea financial capacity.

BUDGET TABLE

**Action Item: Execute contract with GE Transportation Systems to design, install and test a CCTV and Passenger Information management system to South line stations for Sounder Commuter Rail (project #216),
\$s in thousands**

	2004 Adopted Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
Agency Administration	455	\$ 2	\$ -	\$ 2	\$ 453
Preliminary Engineering	-	-	-	-	-
Final Design	997	199	-	199	798
Right of Way	-	-	-	-	-
Construction	4,178	326	3,723	4,049	129
Vehicles	-	-	-	-	-
Contingency	-	-	-	-	-
Total Current Budget	5,630	\$ 526	3,723	\$ 4,249	\$ 1,381

→ **Phase Budget Detail - Construction**

Construction	4,178	326	3,723	4,049	129
Total Phase	\$ 4,178	\$ 326	3,723	\$ 4,049	\$ 129

Contract Budget	Contract Value (F)	Spent to Date (G)	Action (H)	Contract Value (I)
→ GE Transportation Systems	\$ -	\$ -	\$ 3,385	\$ 3,385
ST Contingency	-	-	\$ 338	338
Total	\$ -	\$ -	\$ 3,723	\$ 3,723

Budget Shortfall

Level	Shortfall Amt (J)	Potential Funds (K)	Funding Source (L)
N/A	N/A	N/A	N/A

Notes:

- (A) Project budget shown on page 73 in the Adopted 2004 budget book and on page 100 of the proposed 2005 Budget
- (B) Committed to-date amount includes actual outlays and commitments through 11/4/2004 and includes the contract for fiber optic cable, approved by the Finance Committee on 11/4/2004 (Motion no. M2004-105).

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

GE Transportation Systems Global Signaling (GETS) is the prime contractor for this contract. They are committed to 26% Small Business participation and 12% DBE participation, for a total M/W/DBE and Small Business participation goal of 38%.

Utilization Breakdown Table

Subconsultant	Business Type	% of Work	Dollar Value
Midvale Electric	Small Business	26%	\$900,000
Monterrey Electric	M/DBE	12%	\$420,000
Totals		38%	\$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.

HISTORY OF PROJECT

Prior Board or Committee Actions and Relevant Board Policies

Motion Number	Summary of Action	Date of Action
M98-64	A motion of the Board of the Central Puget Sound Regional Transit Authority to establish policy for station/facility design issues common to all three Lines of Business with respect to Security	8/27/98
M98-67	The three Lines of Business have been developing design elements in common to ensure all of Sound Transit will work as a unified whole and to assist in the development and maintenance of integrated systems. The goal is to establish policy and criteria that will serve all Lines of Business and work with our partnering agencies in the region. We wish to determine the common thread of design elements that applies to all facilities versus standardization throughout. This approach encourages uniformity where it is most advantageous and also allows individuality. This motion identifies policy issues for public restrooms and drinking fountains, as they relate to station/facility design.	9/10/98
M2002-101	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	9/12/02

The Sounder Closed Circuit TV and Passenger Information Management Systems is intended to improve safety, security, operations and customer service among Sounder services and commuter rail stations. The major components of the project include station area closed circuit TV recording and monitoring, real-time customer messaging from a central control consol, and train location and management software located at Union Station.

The system will provide station area automated traveler information in both visual and audio formats. The system will communicate over a Sounder-owned single-mode fiber optic backbone. At each station the following components are included: a CCTV camera network, fiber optic networking equipment, a customer emergency station, automated electronic variable message signs, and audible public address. On the train consists, cab-cars will be outfitted with GPS and an electronic mobile data terminal to signal location information to the train location/ management software. In addition to the cab –cars, passenger cars will be outfitted with automated on-board announcements and variable message signs.

This procurement was competitive with seven contractors submitting proposals and six contractors interviewed prior to selection. The procurement process followed was best value and the cost of the contract is within the engineer's estimate.

CONSEQUENCES OF DELAY

A two week delay of Finance Committee action would not cause any significant impact. A delay beyond the two weeks could cause a one month scheduled delay to the overall implementation of the project.

PUBLIC INVOLVEMENT

Not applicable for this transaction.

LEGAL REVIEW

JW 11/4/04

SOUND TRANSIT

MOTION NO. M2004-114

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing 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.

Background:

This contract includes the design, furnishing, installation, and testing of a Closed Circuit Television, Passenger Information Management System, and Global Position Systems (GPS) based Automatic Vehicle Location, for the Sounder south line stations and services.

The system will provide station area monitoring, communications equipment, and automated traveler information in both visual and audio formats. The system is intended to improve safety, security, operations and customer service among Sounder services and commuter rail stations. At each station the following components are included: a CCTV camera network, fiber optic networking equipment, a customer emergency station, automated electronic variable message signs, and audible public address. On the train consists, cab-cars will be outfitted with GPS and an electronic mobile data terminal to signal location information to the train location/management software. In addition to the cab –cars, passenger cars will be outfitted with automated on-board announcements and variable message signs.

This procurement process was best value and competitive with seven contractors submitting proposals and six contractors interviewed prior to selection.

Motion:


It is hereby moved by the Board Chair of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized 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.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 18, 2004.



Kevin R. Phelps
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator