

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2004-105

Sole Source Contract to Extend Fiber Optic Communications on Sounder

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

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement		Execute New Contract/Agreement	✓
Sole Source	✓	Amend Existing Contract/Agreement	
Interagency Agreement		Contingency Funds (Budget) Required	
Purchase/Sale Agreement		Budget Amendment Required	

✓ *Applicable to proposed transaction.*

ACTION

Authorizes the Chief Executive Officer to execute a sole source contract with Pilchuck Contractors to extend a fiber optic communication system to each of the Sounder south line stations in the amount of \$296,000 with a contingency of \$29,600 totaling \$325,600 for a total authorized contract amount not to exceed \$325,600

KEY FEATURES

- The selection of vendor and contract award for the design/build of Sounder's CCTV and passenger information system (#216) will be completed November 2004.
- Eighty percent of the work is funded through a Department of Homeland Security Grant and will allow for needed communications between stations and the Sound Transit security office for security technology.
- There are several vaults in Burlington Northern Santa Fe (BNSF) right of way, where BNSF, AT&T, MCI, and Sound Transit have shared access to the fiber optic which creates a condition of extreme sensitivity. Therefore, BNSF has required that Sound Transit use Pilchuck to perform this work
- The use of this fiber optic communication system reduces Sound Transit's need to lease other communication modes and provides an owner controlled and secure wide area network.

- The contract is lump sum and will provide all the design, construction, testing and documentation associated with the fiber optic extension.

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

Eighty percent of the work is funded from a Homeland Security grant, which has been included in the Proposed 2005 budget currently under consideration by the Board. The amounts shown in the budget table below reflect the Adopted 2004 Budget. The project budget has been increased by \$408,000 to incorporate the grant for the Proposed 2005 Budget.

REVENUE, SUBAREA, AND FINANCIAL PLAN IMPACTS

The proposed action is within 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: Sole source contract with Pilchuck Contractors to extend fiber optic communication systems to South line stations for Sounder Commuter Rail CCTV and Passenger Information Systems 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	-	-	-	997
Right of Way	-	-	-	-	-
Construction	4,178	199	325.6	524	3,654
Vehicles	-	-	-	-	-
Contingency	-	-	-	-	-
Total Current Budget	5,630	\$ 200	325.6	\$ 526	\$ 5,104

Phase Budget Detail - Construction

Construction	\$ 4,178	\$ 199	325.6	\$ 524	\$ 3,654
Total Phase	\$ 4,178	\$ 199	325.6	\$ 524	\$ 3,654

Contract Budget	Contract Value (F)	Spent to Date (G)	Action (H)	Contract Value (I)
Pilchuck Contractors	\$ -	\$ -	\$ 296.0	\$ 296
ST Contingency	-	-	\$ 29.6	30
Total	\$ -	\$ -	\$ 325.6	\$ 326

Budget Shortfall

Level	Shortfall Amt (J)	Potential Funds (K)	Funding Source (L)
N/A	\$ -	0	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 October 14, 2004.

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

Pilchuck Contractors is the prime consultant for this construction contract. Pilchuck is committed to a 10% M/W/DBE and Small Business goal.

Utilization Breakdown Table

Subconsultant	Business Type	% of Work	Dollar Value
Joe Winkler (Fiber Splicing Services)	Small Business	10%	\$32,600

EEO COMMITMENT

Pilchuck Contractor's workforce demographics are 15% women and 11% minorities.

History of Project

Prior Board or Committee Actions and Relevant Board Policies

Motion or Resolution Number	Summary of Action	Date of Action
R99-22	Executed a contract with the Burlington Northern and Santa Fe Railway (BNSF), for operations and capital investment of the Seattle-to-Tacoma, <i>Sounder</i> (commuter rail), with a total contract cost of \$270 million capital, of which Sound Transit (ST) provides \$200 million.	8/26/99

In 2003, BNSF completed the installation of a fiber optic communications backbone between King Street Station and Reservation Junction in Tacoma. Sound Transit was a funding partner and received a dedicated 24-strand fiber optic bundle that was installed in its own conduit, and received nearly all of its own access vaults. The access vaults and fiber optic coils are within BNSF right of way and approximately 500 feet from each station.

In order to utilize this fiber optic for the 2005 implementation of the Sounder station area CCTV and passenger information system, it needs to be extended and terminated to each of the seven south line station's communication building.

The purpose of this fiber optic is to provide a data transmission mode for future station elements including CCTV camera's, public announcement, variable message boards, and smart card data acquisition (stand alone fare transaction processors). As planned, the use of this fiber optic greatly reduces Sound Transit's need to lease other communication modes and provides an owner controlled and secure wide area network

Pilchuck Contractors, was deemed uniquely qualified to perform this work by BNSF and Sound Transit as it was the original field designer and installer of this communication system. As such, its experience, BNSF's relationship and knowledge of existing vaults access and issues around extending the fiber optic to each station's communication building/ shelter are critical.

There are several vaults that have shared access to the fiber optic and disruption to the active communication system would severely impact the safety of the signaling system for freight or passenger rail operations. Therefore, BNSF has required that Sound Transit use Pilchuck to perform this work. In addition, existing permits can be used by Pilchuck to complete the fiber extension since this work is deemed maintenance under the original full system build permitting.

CONSEQUENCES OF DELAY

A delay to this fiber optic extension would affect the schedule for the 2005 equipment installation of the station area CCTV and Passenger Information System. This extension will provide the data communications for that project.

LEGAL REVIEW

JW 10/21/04

SOUND TRANSIT

MOTION NO. M2004-105

A motion of the Board of the Central Puget Sound Regional Transit Authority to authorize the Chief Executive Officer to execute a sole source contract with Pilchuck Contractors to extend a fiber optic communication system to each of the Sounder south line stations in the amount of \$296,000 with a contingency of \$29,600 totaling \$325,600 for a total authorized contract amount not to exceed \$325,600.

Background:

The need for this fiber optic communication system is part of a larger project that is the 2005 implementation of project #216, the Sounder station area Closed Circuit TV and passenger information system. The purpose of this fiber optic is to provide data communications for station elements including CCTV camera's, public announcement, and variable message boards. As planned, the use of this fiber optic greatly reduces Sound Transit's need to lease other communication modes and provides an owner controlled and secure wide area network.

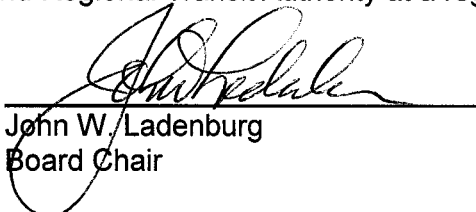
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Motion:


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 sole source contract with Pilchuck Contractors to extend a fiber optic communication system to each of the Sounder south line stations in the amount of \$296,000 with a contingency of \$29,600 totaling \$325,600 for a total authorized contract amount not to exceed \$325,600.

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



John W. Ladenburg
Board Chair

ATTEST:



Marcia Walker
Board Administrator