

MOTION NO. M2011-14
Sound Transit Network Infrastructure Redesign, Procurement and Implementation

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:	PHONE:
Board	2/24/11	Final Action	Brian McCartan, CFO Michel Danon, CIO	(206) 398-5100 (206) 398-5170

PROPOSED ACTION

Authorizes the chief executive officer to execute a five-year contract with Brocade Communications Systems, Inc., to provide final design, equipment installation, configuration and training for a standardized network infrastructure in the amount of \$2,252,747, with a \$205,731 contingency, for a total authorized contract amount not to exceed \$2,458,477.

KEY FEATURES

- This action would design and install standardized network equipment in Sound Transit data centers, buildings, and stations, replacing end-of-life and unsupported equipment currently in use.
- The design will include backup networks to improve reliability for key systems and applications including, the Link SCADA (Supervisory Control and Data Acquisition) system, Ticket Vending Machine and ORCA card reader fare collection systems, telephones, and video surveillance systems. This network will also provide disaster recovery capabilities between the two Sound Transit data centers located at 5th and Jackson and the Link Operations and Maintenance Facility at Airport Way.
- The network infrastructure design will allow for future capacity growth throughout ST2 implementation.
- This new network infrastructure will lower ongoing support costs by standardizing equipment, reducing power consumption, and increasing reliability.

PROJECT DESCRIPTION

Administrative Capital funds capital used in the administration of the Agency's program and operations carried out by Agency staff. Such items include administrative facilities, non-revenue fleet, office equipment and furnishings, and computer hardware and software.

FISCAL INFORMATION

The budget for IT Hardware/Software is included in the 2011 Transit Improvement Plan Administrative Capital Budget. The proposed action is within the 2011 Transit Improvement Plan and is affordable within the agency's long-term financial plan and subarea financial capacity. The proposed action will have no new revenue impact.

Budget Table

Administrative Capital	2011 TIP	Committed to Date	Expenditure 2011	Total Committed and Expenditure	Uncommitted/ (Shortfall)
Administrative Facilities	337	203		203	134
Future Program Allocation	25			0	25
IT Hardware/Software	6,070	2,475	1,094	3,569	2,501
Non-revenue Fleet	200			0	200
Other	920			0	920
Total	\$7,552	\$2,678	\$1,094	\$3,772	\$3,780

Contract Table

Brocade Communications Systems	Expenditure 2011	Expenditure Future Years	Total
Hardware, Software and Support Services	915,244	1,142,059	2,057,303
Sales Tax	86,948	108,495	195,443
Subtotal	1,002,192	1,250,554	2,252,746
Contingency (excluding sales tax)	91,525	114,206	205,731
Total Contract Amount	\$1,093,717	\$1,364,760	\$2,458,477

Notes to Tables

- Amounts are expressed in Year of Expenditure \$000.
- Committed to Date amount includes IT projects carried over from 2010 to 2011.
- Project 001 Administrative Capital Budget is on page 172 of the 2011 Transit Improvement Plan.
- The Contract Table provides an estimate of how the cost of the contract will be spread.

SMALL BUSINESS PARTICIPATION

Sound Transit Goal: 0%

Commitment: 0%

EQUAL EMPLOYMENT WORKFORCE PROFILE

4,610 employees; 20% women; 45% minorities.

BACKGROUND

The current network that connects all Sound Transit facilities has been implemented in various stages and uses non-standardized equipment that is obsolete, or is at or near the end of its useful life. This action will standardize network infrastructure equipment and will allow more efficient management of the network infrastructure. The new network will be more cost efficient and provide additional benefits including lower power consumption, higher reliability, improved disaster recovery, and capacity for future growth throughout implementation of ST2.

Sound Transit is piggybacking on a contract developed under the Western States Contracting Alliance (WSCA) Master Agreement between Washington State Department of Information Services and Foundry Networks, now known as Brocade Communications Systems, Inc. This contract will allow Sound Transit to procure network infrastructure final design, installation, configuration, and training at a discount of approximately 70% for parts and equipment, and 40% for maintenance, over discounts offered in the Master Agreement. The implementation of the new network infrastructure will be divided into four phases and begin in the second quarter of 2011. By 2015, Sound Transit will have a fully functioning network infrastructure.

ENVIRONMENTAL COMPLIANCE

Jl 2/8/2011

TIME CONSTRAINTS

Board approval by the March 24, 2011 Board meeting guarantees an additional discount over discounts offered in the Master Agreement.

PUBLIC INVOLVEMENT

Not applicable to this action.

LEGAL REVIEW

JW 2/18/10

MOTION NO. M2011-14

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a five-year contract with Brocade Communications Systems, Inc., to provide final design, equipment installation, configuration and training for a standardized network infrastructure in the amount of \$2,252,747, with a \$205,731 contingency, for a total authorized contract amount not to exceed \$2,458,477.

BACKGROUND:

The current network that connects all Sound Transit facilities has been implemented in various stages and uses non-standardized equipment that is obsolete, or is at or near the end of its useful life. This action will standardize network infrastructure equipment and allow Sound Transit to more efficiently manage the network infrastructure. The new network infrastructure will be more cost efficient and provide additional benefits including lower power consumption, higher reliability, improved disaster recovery, and capacity for future growth throughout implementation of ST2.

The design will include backup networks to improve reliability for key systems and applications including, the Link SCADA (Supervisory Control and Data Acquisition) system, Ticket Vending Machine and ORCA card reader fare collection systems, telephones, and video surveillance systems. This network will also provide disaster recovery capabilities between the two Sound Transit data centers located at 5th and Jackson and the Link Operations and Maintenance Facility at Airport Way.

Sound Transit is piggybacking on a contract developed under the Western States Contracting Alliance (WSCA) Master Agreement between Washington State Department of Information Services and Foundry Networks, Inc., now known as Brocade Communications Systems, Inc. This piggyback contract with Brocade Communications Systems will allow Sound Transit to procure network infrastructure final design, installation, configuration and training at a discount of approximately 70% for parts and equipment, and 40% for maintenance, over and above discounts offered in the Master Agreement.

The implementation of the new network infrastructure will be divided into four phases and begin in the second quarter of 2011. By 2015, Sound Transit will have a fully functioning network infrastructure to build upon for the life of ST2.

MOTION:

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a five-year contract with Brocade Communications Systems, Inc., to provide final design, equipment installation, configuration and training for a standardized network infrastructure in the amount of \$2,252,747, with a \$205,731 contingency, for a total authorized contract amount not to exceed \$2,458,477.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on February 24, 2011.



Aaron Reardon
Board Chair**ATTEST:**

Marcia Walker
Board Administrator