

## **MOTION NO. M2014-40**

### **Amendment to Mobile Communications Agreement with King County**

<b>MEETING:</b>	<b>DATE:</b>	<b>TYPE OF ACTION:</b>	<b>STAFF CONTACT:</b>
Operations and Administration Committee	07/17/2014	Final Action	Bonnie Todd, Director, Operations <b>Dave Turissini, Bus Operations Manager</b>

### **PROPOSED ACTION**

Authorizes the chief executive officer to execute an agreement amendment with King County to provide an On-Board Systems Communications System and Transit Radio System in the amount of \$567,269 for a new agreement amount not to exceed \$3,267,269.

### **KEY FEATURES SUMMARY**

- This agreement amendment covers Sound Transit's proportionate share of costs for King County's On-Board Mobile Communications system.
- The mobile communications system provides the infrastructure and equipment for radio communication, Computer Aided Dispatch/Automatic Vehicle Locator, and Automatic Passenger Counters (APCs), and is necessary for Sound Transit buses to maintain compatibility with King County fleet operations.
- This amendment covers cost increases from King County Metro's initial estimate. Following the completion of design, the project management team determined that additional components would be necessary for the system to work properly. In addition, installation required more labor hours than was budgeted for in the project.
- The system is currently in the final stages of testing and acceptance.

### **BACKGROUND**

The original agreement with King County was to equip 117 Sound Transit buses with an on-board communications system. It was negotiated and signed on December 19, 2008. Over the past six years, there have been a number of changes in technology and in Sound Transit's fleet based at KCM that resulted in changes to the agreement. The most significant change was the decision by King County to add Mobile Access Routers to the project after the original scope of work was developed. These routers allow "next bus" capabilities at major bus stop kiosks and improve communication capabilities in the Downtown Seattle Transit Tunnel. This amendment covers the purchase and installation of those Mobile Access Routers on each Sound Transit bus as well as underestimated labor hours necessary to install and test the entire system.

The original agreement provided for King County to purchase and install the Computer Aided Dispatch/Automatic Vehicle Locator (CAD/AVL) systems on all 117 ST buses and Automatic Passenger Counters (APC) on 25% of Sound Transit's fleet. The CAD/AVL system is necessary for Sound Transit buses to maintain compatibility with King County fleet operations and dispatch. The APCs provide accurate passenger counts. This amendment also includes six additional APC units to cover Sound Transit's request that all new buses have APCs installed on them.

### **FISCAL INFORMATION**

The proposed action will be funded from the unallocated budget of construction phase of Project 745 – ST Express Mobile Communications.

The 2014 lifetime budget of the construction phase is \$10,531,027. Within that amount, the Board has approved three agreements:

- Pierce Transit - \$5,720,000 project completed.
- Community Transit - \$1,456,585 project near completion and costs will come in at the budget.
- King County Metro - \$2,700,000.

The proposed action will increase the agreement with King County by \$567,269, bringing the total of agreement amount to \$3,267,269.

Upon the approval of this action, the total board approvals will be \$10,443,786, leaving \$87,000 of unallocated funds.

The budget table below illustrates the budget impact of this action.

### King County Mobile Communications Budget Table

Project budget	2014 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted/ (Shortfall)
Agency Administration	-	-	-	-	-
Preliminary Engineering	-	-	-	-	-
Final Design	-	-	-	-	-
3rd Party	-	-	-	-	-
Right of Way	-	-	-	-	-
Construction	10,531	9,877	567	10,444	87
Construction Management	-	-	-	-	-
Vehicles	-	-	-	-	-
Contingency	-	-	-	-	-
<b>Total Project Budget</b>	<b>\$ 10,531</b>	<b>\$ 9,877</b>	<b>\$ 567</b>	<b>\$ 10,444</b>	<b>\$ 87</b>

#### Phase Detail Construction

Pierce Transit	5,720	5,720	-	5,720	-
Community Transit	1,457	1,457	-	1,457	-
King County Metro	2,700	2,700	567	3,267	(567)
Unallocated Budget	654	-	-	-	654
<b>Total Phase</b>	<b>\$ 10,531</b>	<b>\$ 9,877</b>	<b>\$ 567</b>	<b>\$ 3,267</b>	<b>\$ 87</b>

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
King County Metro	2,700	220	567	3,267
Contingency				-
<b>Total Contract Amount</b>	<b>\$ 2,700</b>	<b>\$ 220</b>	<b>\$ 567</b>	<b>\$ 3,267</b>
Percent Contingency	0%	0%	0%	0%

<b>Budget Shortfall</b>	(567)
Unallocated Budget	654
Unallocated Budget Remaining	87

#### Notes:

Amounts are expressed in Year of Expenditure \$000.

Board Approvals = Committed to-date + Contingency, and includes pending Board Actions.

Project budget is located on page 126 of the 2014 Transit Improvement Plan.

## **SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION**

### **Participation by Small Businesses and Disadvantaged Business Enterprises (DBEs)**

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). Small Business and DBE goals are based upon an examination of subcontracting opportunities contained in the work of this contract and the number of Small Businesses/DBEs available to perform such subcontracting work.

Sound Transit determined that Small Business and DBE subcontracting opportunities are infeasible or improbable based upon the work described in this contract, so Small Business/DBE goals were not established or required.

### **PUBLIC INVOLVEMENT**

Not applicable to this action

### **TIME CONSTRAINTS**

A one month delay would not create a significant impact to the project schedule.

### **PRIOR BOARD/COMMITTEE ACTIONS**

Motion No. M2008-92: Authorizes the chief executive officer to execute an agreement with King County to purchase and install a new radio communications system for Sound Transit's Express bus fleet operated by King County for a total authorized contract amount not to exceed \$2,700,000.

### **ENVIRONMENTAL REVIEW**

JI 4/14/2014

### **LEGAL REVIEW**

JW 4/29/2014

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A motion of the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute an agreement amendment with King County to provide an On-Board Systems Communications System and Transit Radio System in the amount of \$567,269 for a new agreement amount not to exceed \$3,267,269.

**BACKGROUND:**

The original agreement with King County was to equip 117 Sound Transit buses with an on-board communications system. It was negotiated and signed on December 19, 2008. Over the past six years, there have been a number of changes in technology and in Sound Transit's fleet based at KCM that resulted in changes to the agreement. The most significant change was the decision by King County to add Mobile Access Routers to the project after the original scope of work was developed. These routers allow "next bus" capabilities at major bus stop kiosks and improve communication capabilities in the Downtown Seattle Transit Tunnel. This amendment covers the purchase and installation of those Mobile Access Routers on each Sound Transit bus as well as underestimated labor hours necessary to install and test the entire system.

This agreement amendment covers Sound Transit's proportionate share of costs for King County's On-Board Mobile Communications system. Following the completion of design, the project management team determined that additional components would be necessary for the system to work properly. The mobile communications system provides the infrastructure and equipment for radio communication, Computer Aided Dispatch/Automatic Vehicle Locator (CAD/AVL), and Automatic Passenger Counters (APCs). The original agreement provided for King County to purchase and install the CAD/AVL systems on all 117 ST buses and APCs on 25% of Sound Transit's fleet. The CAD/AVL system is necessary for Sound Transit buses to maintain compatibility with King County fleet operations and dispatch. The APCs provide accurate passenger counts. This amendment also includes six additional APC units to cover Sound Transit's request that all new buses have APCs installed on them.

**MOTION:**

It is hereby moved by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute an agreement amendment with King County to provide an On-Board Systems Communications System and Transit Radio System in the amount of \$567,269 for a new agreement amount not to exceed \$3,267,269.

APPROVED by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 17, 2014.

  
Paul Roberts  
Operations and Administration Committee Chair

ATTEST:



Marcia Walker  
Board Administrator