Motion No. M2024-33

Contract Modification with Wabtec Transportation Systems LLC for the Passenger Information Management System Signage Services and East Link Starter Line Support

Meeting:	Date:	Type of action:	Staff contact:
Rider Experience and Operations Committee	06/06/2024	Final action	John Henry, Deputy CEO, Chief Finance and Business Administration Officer Jason Weiss, Chief Information Officer **David Ginsberg, Deputy Director, Program Management Office**

Proposed action

Authorizes the chief executive officer to execute a contract modification with Wabtec Transportation Systems LLC, formally ARINC, for continued services including system integration services and installation work for the Passenger Information Management System in the amount of $12,828,658, for a new total authorized contract amount not to exceed $46,684,453 plus applicable taxes, contingent upon approval of Resolution No. R2024-14.

Key features summary

- This action is necessary to continue the system integration and installation work efforts for the Passenger Information Management System (PIMS).
- The increase in the contract amount is necessary to cover:
    - Implementation of PIMS for the East Link Starter Line, including 8 stations from South Bellevue Station to Redmond Technology.
    - Onboard system and signage for 11 newly procured Sounder vehicles.
    - Equipment and services to 1) replace all signs at Northgate, Roosevelt, and U District stations with new PIMS signs, 2) install additional Sounder and Tacoma Link station signs, 3) replace outdated CCTV cameras at Link 1 Line stations.
    - Enhanced train tracking for service disruptions and single tracking events.
    - Unicast transmission control protocol to introduce live audio at multiple stations.
    - Passenger Experience enhancements for digital signs and audio.
- The current expiration date of the Purchase Order executed under this contract will be extended from December 31, 2024, to December 31, 2027.
- The estimated applicable sales tax is $1,314,937 for the contract modification.

Background

Sound Transit is replacing the Public Address/Variable Message Sign (PA/VMS) solutions for its Link and Sounder services and seeks to add similar PA/VMS capability to Tacoma Link. In preparation for the

opening of the East Link expansion, Sound Transit needed to replace existing amber dot matrix signs with signs capable of displaying color to be completed during normal lifecycle replacement of the legacy signs which went into service in 2008. In addition to replacing existing, basic signage functions, Sound Transit seeks to increase the accuracy of its arrival predictions by providing enhanced train tracking for single tracking events during planned service disruptions, which will provide additional information to Sound Transit customers and enhance rider experience.

The scope of work for the contract with Wabtec includes system integration services, project management, solution design, integration, testing and validation, configuration management, safety assurance, training of Sound Transit staff and partners; provision of operations and maintenance manuals, and systems support through the warranty period for Link, Tacoma Link, and Sounder, as well as capability to integrate Bus Rapid Transit (BRT) and Parking VMS functions. Implementation of the new PIMS was impacted due to the COVID-19 pandemic and remains approximately 2 years behind the original baseline schedule. To support systems integration testing and pre-revenue service for the 2 Line, a minimum viable product version of PIMS was released in July 2023, and the contractor has been on a regular release schedule since then to address defects in the early release and add additional features identified in the original scope. Under the revised schedule, a fully functional PIMS will be in place before the 2 Line tie-in.

When the PIMS program was launched in 2018 it was anticipated that Northgate Link extension would install new PIMS signs that would display content from the legacy Alstom system until PIMS was ready. However, to reduce budget and schedule risk to Northgate Link it was determined that it would be more efficient for Northgate to install the signs originally specified and retrofit the PIMS signs at a later date.

The other large item in this request is for installation of PIMS onboard systems on the 11 newly procured Sounder vehicles. These were not anticipated when the PIMS program was originally funded. Support for the standalone East Link Starter Line also was not anticipated when PIMS was originally approved and funded.

The remaining items address issues discovered during implementation and operation of the new PIMS and include enhancing PIMS capability to manage service disruptions without manual intervention to increase accuracy of ETA predictions.

This action will exercise a modification to the PIMS contract to add the in-service 2 Line capability to handle service disruptions efficiently without manual intervention, and for the procurement and installation services of additional new digital signage for Northgate Link, Tacoma Link, and Sounder.

Procurement information

A request for proposals (RFP) was issued and publicly advertised on April 13, 2018. The RFP method of procurement was used as the work was (1) highly technical, (2) there were a variety of possible solutions, and (3) basis of award was to select on factors other than cost alone and providing best value to the agency.

Proposal submittals were received from four potential firms on July 13, 2018. Each proposal was evaluated on a series of criteria, which are detailed below in their relative order of importance:

- Technical Proposal
- Methodology and Approach to Implementation
- Knowledge and Recent Experience of Key Individuals
- Firm Experience and History
- Price

- Value-added Features and Capabilities
- Commitment to and Compliance with Equal Employment Opportunity Law

Based on the evaluation of the RFP, three proposers were shortlisted, and each of those three firms were given the opportunity to submit revised proposals, including revised price proposals. The revised proposals were received from all three firms on September 10, 2018, and evaluation of revised proposals occurred on September 17, 2018. All three firms remained in the competitive range and a second request for revised proposals was requested by the Procurement and Contracts Division.

A second round of revised proposals was received from all three firms on October 15, 2018, and a consensus evaluation meeting was held. After conclusion of the evaluation, it was determined that Wabtec Transportation Systems LLC (Wabtec), formerly ARINC Incorporated, was the top-ranked firm providing the best value solution for Sound Transit.

At the time of contract award, Sound Transit evaluated the pricing submitted by ARINC Incorporated, and determined it to be fair and reasonable, based on the competitive pricing submitted by other proposers in response to the RFP and the original Independent Cost Estimate for this contract.

There have been no cardinal changes to the contractual requirements, nor have there been any other changes in the market which would directly affect the cost of the contract or make re-solicitation any more advantageous to Sound Transit. The proposed contract price change is therefore determined to be fair and reasonable, as well as equitable and consistent with prevailing fair market rates, and is justified as a necessary expense to the agency in the implementation and delivery of planned goals and envisioned objectives for the PIMS program.

Fiscal information

Contingent upon approval of Resolution No. R2024-14 Budget Amendment for PIMS, this action is within the authorized project allocation and sufficient monies remain after approval of this action to fund the remaining work in the construction phase.

The authorized project allocation for the PIMS project is $68,400,848. Within that amount, $53,075,215 has been allocated to the construction phase for system integration and installation work. The action would commit $14,143,595 including estimated sales taxes, leaving a phase budget balance of $2,534,396 in the construction phase.

Passenger Information Management System

(in thousands)

Project Phase	Revised Authorized Project Allocation	Total Commitment to Date	This Action	Total Commitment Plus Action	Uncommitted / (Shortfall)
Operations + Maintenance	$3,810	$3,810	$0	$3,810	$0
Agency Administration	11,515	4,683	-	4,683	6,833
Preliminary Engineering	-	-	-	-	-
Final Design	-	-	-	-	-
Third Party	-	-	-	-	-
Right of Way	-	-	-	-	-
Construction	53,075	36,397	14,144	50,541	2,534
Construction Services	-	-	-	-	-
Total Current Budget	**$68,401**	**$44,890**	**$14,144**	**$59,034**	**$9,367**

Contract Detail Wabtec Transportation System	Board Approvals to Date	Proposed Action	Proposed Total for Board Approval	Current Contract Spend Status
Contract Amount	$30,778	$12,829	$43,607	$12,488
Contingency	3,078	-	3,078	-
Total	**$33,856**	**$12,829**	**$46,684**	**$12,488**
Estimated Taxes	2,583	1,315	3,898	1,236
Total with Estimated Taxes	**$36,439**	**$14,144**	**$50,582**	**$13,723**
Percent Contingency	10%	0%	7%	0%

Notes:
Amounts are expressed in Year of Expenditure $000s.
Board Approvals = Committed To-Date + Contingency as of Apr 2024, and includes pending Board actions.
For detailed project information, see page 186 of 224 of the 2024 Financial Plan & Adopted Budget.

Disadvantaged and small business participation

Participation by small businesses and disadvantaged business enterprises (DBEs)

Sound Transit promotes and encourages small business participation, which also includes disadvantaged business enterprises (DBEs). Consistent with Sound Transit Policies and federal regulations, Sound Transit has established small business/DBE goals for this contract. These 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 there were few Small Business and DBE subcontracting opportunities based upon the work described in this contract, so Small Business/DBE goals were not established.

Public involvement

Not applicable to this action.

Time constraints

A one-month delay would add pressure to reduce active professional and construction services supporting the PIMS sign replacement work needed for the start of revenue service for Lynnwood expansion.

Prior Board/Committee actions

Motion No. M2018-164: Authorized the chief executive officer to execute a contract with ARINC to provide system integration services for the Passenger Information Management System program in the amount of $30,777,995 with a 10% contingency of $3,077,800 for a total authorized contract amount not to exceed $33,855,795 plus applicable taxes.

Environmental review – KH 5/22/24

Legal review – DLM 5/28/24

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A motion of the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract modification with Wabtec Transportation Systems LLC, formally ARINC, for continued services including system integration services and installation work for the Passenger Information Management System in the amount of $12,828,658, for a new total authorized contract amount not to exceed $46,684,453 plus applicable taxes, contingent upon approval of Resolution No. R2024-14.

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Motion

It is hereby moved by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract modification with Wabtec Transportation Systems LLC, formally ARINC, for continued services including system integration services and installation work for the Passenger Information Management System in the amount of $12,828,658, for a new total authorized contract amount not to exceed $46,684,453 plus applicable taxes, contingent upon approval of Resolution No. R2024-14.

APPROVED by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on June 6, 2024.

Kristina Walker
Rider Experience and Operations Chair

Attest:

Kathryn Flores
Board Administrator