

MOTION NO. M2016-101

Contract for Procurement of Light Rail Vehicles for the ST2 Light Rail Expansion Projects: Northgate Link, East Link, and Lynnwood Link Extensions.

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	09/08/2016	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	09/22/2016	Final Action	Gene Overly, Director, System Engineering and Integration

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Siemens Industry, Inc. to provide 122 light rail vehicles for the ST2 light rail expansion projects, including Northgate Link, East Link, and Lynnwood Link Extensions, in an amount not to exceed \$517,621,239, with a 7% contingency of \$36,233,486, for a total authorized amount not to exceed \$553,854,725.

KEY FEATURES SUMMARY

- This action authorizes the purchase of 122 low-floor light rail vehicles (LRVs) for the ST2 light rail expansion projects.
- The LRVs will serve the Northgate Link, East Link, and Lynnwood Link Extensions.
- The contract includes:
 - Engineering
 - Quality assurance
 - Field support
 - Commissioning
 - Training
 - Technical and operational manuals
 - Spare parts
 - Test equipment
 - Special tools
 - Warranty support
- The contract includes options to procure up to an additional 30 LRVs. If the agency elects to proceed with this option, Board approval is required to exercise the option.

BACKGROUND

ST2 Light Rail Vehicle Fleet Expansion Contract will provide project management, design, manufacturing, delivery, assembly inspection, and testing in support of a procurement of 122 low-floor LRVs. The procurement will meet fleet requirements to support revenue service of all the ST2 light rail expansion projects and centralize procurement of the LRVs for Northgate Link Extension, Lynnwood Link Extension, and East Link Extension.

With the addition of the 122 LRVs, the Sound Transit fleet will increase to a total of 184 LRVs. The combined storage capacity of the existing Operations and Maintenance Facility (OMF) and the new OMF:E is 214 LRVs, limiting the option of procuring additional LRVs to 30.

The Request for Proposal (RFP) was advertised on November 6, 2015, for 122 LRVs. Three proposals were received and were reviewed and evaluated for responsiveness. A Request for Best and Final Offers (BAFOs) was issued on June 2, 2016, to both Siemens Industry, Inc. and Kinkisharyo International L.L.C. Siemens Industry, Inc.'s proposal was deemed to be the best value for Sound Transit.

PROJECT STATUS

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Project Identification	Alternatives Identification	Conceptual Engineering	Preliminary Engineering	Final Design	Construction

Projected Completion Date: 3Q 2024

Project scope, schedule and budget summary located on pages 89 – 90 of the June 2016 Agency Progress Report.

FISCAL INFORMATION

This action is within the adopted budget and sufficient monies remain after approval of the action to fund the remaining work in the Vehicles phase as contained in the current cost estimates of this project.

The total project budget in the 2016 Transportation Improvement Plan (TIP) for ST2 Light Rail Vehicles Fleet Expansion is \$733,006,000. Within that amount, \$683,350,000 has been set aside as the line item budget for Light Rail Vehicles in the Vehicles phase. The proposed action would commit \$553,854,725 to this line item, and leave a remaining budget balance of \$129,495,275.

ST2 LRV Fleet Expansion	2016 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	4,748	121		121	4,627
Preliminary Engineering	-	-		-	-
Final Design	-	-		-	-
Right of Way	-	-		-	-
Construction	-	-		-	-
Construction Services	14,090	4,756		4,756	9,334
Third Party Agreements	-	-		-	-
Vehicles	714,168	-	553,855	553,855	160,313
Contingency	-	-		-	-
Total Current Budget	733,006	4,876	553,855	558,731	174,275

Phase Detail					
Vehicles					
Light Rail Vehicles	683,350	-	553,855	553,855	129,495
Other Vehicles	30,818	-		-	30,818
Total Phase	714,168	-	553,855	553,855	160,313

Contract Detail					
Siemens Industry, Inc.	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval	
Contract Amount	-	-	517,621	517,621	
Contingency	-	-	36,233	36,233	
Total	-	-	553,855	553,855	
Percent Contingency	0%	0%	7%	7%	

Notes:

Amounts are expressed in Year of Expenditure \$000s.

Board Approvals = Committed To-Date + Contingency, and includes pending Board actions.

2016 TIP = ST2 LRV Fleet Expansion project budget located on page 19 of the Adopted 2016 Transit Improvement Plan (TIP).

SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION

Siemens Industry, Inc. is listed on the approved vendor list for vehicles as required by the Federal Transit Administration.

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one-month delay will not significantly impact this contract.

ENVIRONMENTAL REVIEW

JI 8/26/2016

LEGAL REVIEW

LA 1 September 2016

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A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Siemens Industry, Inc. to provide 122 light rail vehicles for the ST2 light rail expansion projects, including Northgate Link, East Link, and Lynnwood Link Extensions, in the amount of \$517,621,239, with a 7% contingency of \$36,233,486, for a total authorized contract amount not to exceed \$553,854,725.

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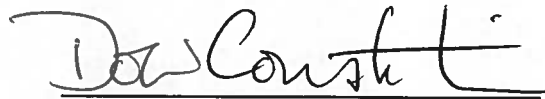
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MOTION:

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 contract with Siemens Industry, Inc. to provide 122 light rail vehicles for the ST2 light rail expansion projects, including Northgate Link, East Link, and Lynnwood Link Extensions, in the amount of \$517,621,239, with a 7% contingency of \$36,233,486, for a total authorized contract amount not to exceed \$553,854,725.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on September 22, 2016.



Dow Constantine
Board Chair

ATTEST:



Kathryn Flores
Board Administrator