

MOTION NO. M2018-133
Contract for Foundation and Electrical Service for Link Light Rail Vehicle Lift

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee	11/01/2018	Final Action	Bonnie Todd, Executive Director of Operations Paul Denison, Director Light Rail Operations, Operations

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Granite Construction Company to provide foundation and electrical services for the Operations and Maintenance Facility Light Rail Vehicle Lift Project in the amount of \$666,800, with a 10% contingency of \$66,680, for a total authorized contract amount not to exceed \$733,480.

KEY FEATURES SUMMARY

- Sound Transit is expanding its total number of Link light rail vehicles (LRVs) from 62 to 214 for ST2 expansion. A second LRV lift in the Link Operations and Maintenance Facility (OMF) is needed to maintain the expanding fleet.
- The contract includes selective demolition and modifications to the reinforced concrete slab and grade beams, rail components, rail modification, restoration, fabrication of Unistrut Frame, and installation of the Macton supplied embedded plates/forms in preparation of the lift. This project also includes the proper placement of all conduits stub ups and anchorages/embeds required to install the new Macton lift. Construction is scheduled to be completed by the end of February 2019.
- The lift was procured under a separate contract with Macton Corporation, who will manufacture and install the lift equipment. This contract will complete the foundation and electrical work in conjunction with Macton's installation of the car hoists and turntables under contract # RTA/IB 0107-17.
- The new lift is designed to be compatible with and will accommodate both the current LRV fleet and the new LRVs manufactured by Siemens.

BACKGROUND

One light rail vehicle maintenance lift was installed when the OMF was built in 2007. A second lift is needed to accommodate vehicle requirements for additional ST2 service as well as the increased maintenance required on the current fleet resulting from higher than anticipated ridership and vehicle usage. The additional lift will support the ongoing midlife overhaul for the fleet beginning in 2019.

Macton Corporation has finished the design and is expected to begin fabrication of the lift by the end of October of 2018. Sound Transit, in collaboration with Macton Corporation and Sound Transit consultants, designed the foundation and required utilities. Sound Transit is procuring a construction contractor through this action to construct the foundation and supply the electrical panels. The work is expected to be completed in February of 2019. After construction, Macton Corporation will install, test, and commission the lift.

Link light rail anticipates being able to use the lift by March of 2019.

PROCUREMENT INFORMATION

- Invitation For Bid (IFB) was issued on 9/13/2018.
- On 10/11/2018, four (4) bids were received and ranged from \$666,800 to \$1,052,000.
- The bids were evaluated based upon their submittals being complete according to the IFB documents and Granite Construction Company, the apparent lowest bidder, was determined the responsive and responsible bidder.

FISCAL INFORMATION

The action is within the baseline budget and sufficient monies remain after approval of this action to fund the remaining work in the construction phase as contained in the current cost estimates.

The authorized project allocation to date for the Operations and Maintenance Facility Light Rail Vehicle Lift project is \$4,898,160, of which \$3,413,977 is allocated to the construction phase. Previously \$323,409 has been spent, and \$362,422 has been committed in the construction phase to Mactron Corporation for installation of the lift. This proposed action would commit an additional \$733,480 and leave a remaining budget balance of \$1,994,666.

Operations and Maintenance Facility Light Rail Vehicle Lift
(in thousands)

Project Phase	Authorized Project Allocation to Date	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$574	\$555	\$	\$555	\$19
Preliminary Engineering	156	\$156		156	0
Final Design	550	\$414		414	136
Construction	3,414	\$686	733	1,419	1,995
Construction Services	205	\$96		96	108
Total Current Budget	\$4,898	\$1,906	\$	\$2,640	\$2,258

Granite Constuction	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	\$	\$	\$667	\$667
Contingency			67	67
Total Contract Amount	\$	\$	\$733	\$733
Percent Contingency	0%	0%	10%	10%

Notes:
Allocations and Board Approvals as of 9/30/18

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.

For this specific contract, the following goals were set and the successful Bidder/Proposer has committed to the following Small Business/DBE Participation:

Small Business Goals
Sound Transit Goal: 27%
Commitment: 27%

The following tasks have been identified as opportunities for Small Business participation on this project:

Electrical Work	\$58,000
Placement of Rebar	\$23,000
Rebar Manufacturer	\$61,000
QA/QC Services	\$26,000
Soil Hauling/Disposal	\$3,500
Survey Services	\$9,000
<hr/> Total	<hr/> \$180,500

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one-month delay would create a significant impact to the project schedule. We anticipate receiving the first Siemens LRVs starting in March 2019. If we cannot complete the installation of the LRV Lift at the OMF on the current schedule, Siemens' commissioning of the incoming vehicles and maintenance in support of operating said vehicles will be impacted.

PRIOR BOARD/COMMITTEE ACTIONS

Motion M2017-131 authorized the chief executive officer to execute a contract with Macton Corporation to procure and install a second lift in the Link Operations and Maintenance Facility in the amount of \$630,000, with a 10% contingency of \$63,000, for a total authorized contract amount not to exceed \$693,000 plus applicable taxes.

ENVIRONMENTAL REVIEW

KH 10/24/18

LEGAL REVIEW

[Initials and Date]

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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 a contract with Granite Construction Company to provide foundation and electrical services for the Operations and Maintenance Facility Light Rail Vehicle Lift Project in the amount of \$666,800, with a 10% contingency of \$66,680, for a total authorized contract amount not to exceed \$733,480.

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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 a contract with Granite Construction Company to provide foundation and electrical services for the Operations and Maintenance Facility Light Rail Vehicle Lift Project in the amount of \$666,800, with a 10% contingency of \$66,680, for a total authorized contract amount not to exceed \$733,480.

APPROVED by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 1, 2018.



Paul Roberts
Operations and Administration Committee Chair

ATTEST:



Kathryn Flores
Board Administrator