

MOTION NO. M2018-01
Light Rail Vehicle Gear Unit Overhaul Services

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee	01/04/2018	Final Action	Bonnie Todd, Executive Director of Operations George McGinn, Link Maintenance Manager

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with UTCRAS, LLC to provide Gear Unit Axle Assembly Overhaul Services for Link light rail vehicles for a total authorized contract amount not to exceed \$2,804,385 plus applicable taxes.

KEY FEATURES SUMMARY

- The current light rail vehicles (LRVs) are reaching mid-life overhaul mileage on several systems.
- The gear unit axle assemblies located on the LRVs’ power trucks are one of the systems that will go through mid-life overhaul.
- The gear unit overhaul will be conducted over a three-year period and is necessary in order to maintain the LRV in a state of good repair and achieve full life expectancy.
- The contract scope of work includes the disassembly of units, inspection, replacement of worn components, reassembly, and final testing.
- The contract includes shipping and handling costs to and from Morton, Pennsylvania.
- The current estimated tax amount is \$283,243.

BACKGROUND

Many of the current light rail vehicles have been in operation since 2007 (when testing and pre-revenue service began), and many are reaching mid-life overhaul mileage on several major systems earlier than previously anticipated due to increases in operations with higher than expected ridership.

The Link light rail maintenance division anticipates that the gear unit axle assembly on the light rail vehicles’ power trucks will need to go through mid-life overhaul beginning next year. The process will consist of removing all four gear unit assemblies in each LRV on a rotational schedule over the next three years, and shipping them to the contractor in Morton, Pennsylvania for overhaul services.

The contractor will perform the overhaul by disassembling the units in order to inspect for wear, tear, and abnormalities; overhauling (replacing parts as needed and recommended by the original equipment manufacturer); reassembling the units; and final testing.

The contractor will ship the overhauled units back to Sound Transit and staff will rotate them back into the fleet. The project will replace all 248 units currently in use on 62 vehicles as well as 15 spares.

The division is aligning resources to execute the mid-life overhaul on time and with the highest efficiency possible over the next three years.

PROCUREMENT INFORMATION

Sound Transit issued a Request for Proposal RTA/RP 0150-17 in September 2017. Three proposals were received. After evaluations, the firm of UTCRAS, LLC was determined to be the highest ranked firm who best met the evaluation criteria and offered the best value to Sound Transit.

FISCAL INFORMATION

This action is within the authorized project allocation to date for the above project and sufficient monies remain after approval of this action to fund the remaining project work.

The authorized project allocation to date for the Link Light Rail Vehicle Overhaul project is \$10,115,000. Within that amount, \$650,130 has been previously committed. The proposed action will commit \$2,804,385 and leave \$6,660,485 remaining budget in the vehicles phase.

Link Light Rail Vehicle Overhaul

(in thousands)

	Authorized Project Allocation to Date	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$	\$	\$	\$	\$
Preliminary Engineering					
Final Design					
Right of Way					
Construction					
Construction Services					
Vehicles	10,115	650	2,804	3,455	6,660
Contingency					
Total Current Budget	\$10,115	\$650	\$2,804	\$3,455	\$6,660

**Contract Detail
UTCRA, LLC.**

	Board Approvals to Date	Approved Contract Status	Proposed Action	Total for Board Approval
Contract Amount	\$	\$	2,804	\$2,804
Contingency				
Estimated Tax			283	283
Total	\$	\$	3,088	3,088
Percent Contingency	0%	0%	10%	10%

Notes:

Amounts are expressed in Year of Expenditure

Board Approvals = Committed To-Date + Contingency.

For detailed project information, see page 121 of the Proposed 2018 Transit Improvement Plan.

SMALL BUSINESS/DBE PARTICIPATION

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). 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 not create a significant impact to the project schedule.

ENVIRONMENTAL REVIEW

KH 12/19/17

LEGAL REVIEW

AJP 12/28/17

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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 UTCRAS, LLC to provide Gear Unit Axle Assembly Overhaul Services for Link light rail vehicles for a total authorized contract amount not to exceed \$2,804,385 plus applicable taxes.

BACKGROUND:

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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 UTCRAS, LLC to provide Gear Unit Axle Assembly Overhaul Services for Link light rail vehicles for a total authorized contract amount not to exceed \$2,804,385 plus applicable taxes.

APPROVED by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on January 4, 2018.



Paul Roberts
Operations and Administration Committee Chair

ATTEST:



Kathryn Flores
Board Administrator