

MOTION NO. M2017-112
Air springs for Link light rail vehicles

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee	9/7/2017	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 Bridgestone Industrial Products America, Inc. to provide air springs for Link light rail vehicles for a total authorized contract amount not to exceed \$243,547 plus applicable taxes.

KEY FEATURES SUMMARY

- The current light rail vehicles (LRVs) are reaching mid-life overhaul mileage on several systems.
- Power trucks and center truck assemblies are among the systems on LRVs that will go through mid-life overhaul and replacement of its air springs in order to maintain the LRV in a state of good repair and achieve full life expectancy.
- The overhaul includes replacement of the truck's air springs as recommended by the original equipment manufacturer.
- This contract would supply air springs to support this overhaul program.
- Taxes for this contract are currently estimated to be \$24,598.

BACKGROUND

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

The Link light rail maintenance division anticipates that the power trucks and center truck assemblies will begin the mid-life overhaul within the next few months, and the division is aligning resources to execute the mid-life overhaul on time and with the highest efficiency possible over the span of three years.

Each LRV has two power and one center truck assemblies, and each has two air springs (six per LRV). The air spring is made of rubber and has a standard operating life expectancy of 8 to 10 years. It makes up the light rail vehicle's secondary suspension system and enhances the overall smoothness of the ride experience for the passenger. The air spring is also critical for level boarding. It works in concert with the load leveling valve which in turn communicates to both the propulsion and braking systems. This is needed so that the LRV knows its weight with or without passengers and adjusts accordingly.

PROCUREMENT INFORMATION

An Invitation for Bid (IFB) was advertised in late July. Three bids were received, Bridgestone Industrial Products America was the lowest, responsive and responsible bidder with an overall price almost 6 percent lower than the next lowest priced bid.

FISCAL INFORMATION

The proposed action will be funded from the Services category within the Operations department's annual operating budget. The Services category budget is \$60,431,989, of which a total of \$33,328 is estimated to be spent in the first year of the contract and is within the agency's budget authority. With approval of this action, the remaining annual budget amount is sufficient to fund other department expenditures anticipated in the 2017 annual budget.

Funding for the additional years of the contract will be included in future annual budget requests.

Operations Department

(in thousands)

	2017 Annual Operating Budget	Actuals to Date	This Action	Actuals to Date Plus Action	Remaining Annual Operating Budget
Salaries and Benefits	\$16,672	\$8,173	\$	\$8,173	\$8,500
Services	60,432	29,331	33	29,365	31,067
Materials and Supplies	10,832	3,930		3,930	6,902
Utilities	5,276	2,903		2,903	2,373
Insurance		-18		-18	18
Taxes	2,595	1,637		1,637	957
Purchased Transportation Services	163,026	92,574		92,574	70,452
Miscellaneous	389	182		182	206
Leases and Rentals	8,601	5,359		5,359	3,242
Total Annual Operating Budget	\$267,822	\$144,071	\$33	\$144,105	\$123,717

Contract Spending Plan	Prior Year Spending	Forecast 2017 Spending	Future Expenditures	Total
Bridgestone Industrial Products America, Inc.		\$33	\$210	\$244

Contract Detail	Board Approved Contract Value	Contract Actuals to Date	Proposed Action	Proposed Revised Board Approved Contract Value
Bridgestone Industrial Products America, Inc.			\$244	\$244
Contingency			0	0
Current Tax Estimate			25	25
Contract Amount - Total			\$268	\$268
Percent Contingency			0%	0%

* Actuals reflect the month of July, 2017.

SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION

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 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 8/25/17

LEGAL REVIEW

AJP 8/31/2017

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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 Bridgestone Industrial Products America, Inc. to provide air springs for Link light rail vehicles for a total authorized contract amount not to exceed \$243,547 plus applicable taxes.

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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 [insert action here]

APPROVED by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on September 7, 2017.



Paul Roberts
Operations and Administration Committee Chair

ATTEST:



Kathryn Flores
Board Administrator