

MOTION NO. M2017-41
Light Rail Vehicle Wear Plate Assemblies Contract

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations & Administration Committee	4/6/17	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 GGB, LLC to provide wear plate assemblies for Link light rail vehicles for a total authorized contract amount not to exceed \$272,256.

KEY FEATURES SUMMARY

- New wear plate assemblies are needed on Link light rail vehicles to reduce noise and provide a quieter, smoother ride for passengers and operators.
- Wear plates are positioned between the car body and the light rail vehicle wheel and motor assembly (or truck) to provide a smooth wear surface so the truck assembly can rotate freely when the car negotiates curves in the track.
- Current wear plates create noise when the truck rotates because of the amount of force required to turn them. As a result, Sound Transit has received complaints from customers and operators about the noise.
- Sound Transit has investigated multiple solutions, including testing self-lubricated wear plates offered by GGB, LLC. The wear plate assemblies being requested in this action have been tested for the past year and have been successful in reducing noise.
- Under this action, Sound Transit will purchase GGB self-lubricated wear plates to replace all wear plates in the fleet.

BACKGROUND

The wear plates were identified as a fleet defect for the initial segment fleet shortly after their delivery to Sound Transit. Kinkisharyo, the original equipment manufacturer, provided a new wear plate alternative to resolve the issue. This alternative was used successfully by other agencies such as Valley Metro Rail in Phoenix, Arizona, Valley Transportation Authority in San Jose, California, and Hudson Bergen Light Rail in New Jersey; however, due to Link’s track geometry and the level of humidity/rain in the Seattle area, the new wear plate system provided by Kinkisharyo did not resolve the noise problem long-term.

Immediate corrective actions performed by Link’s vehicle maintenance department included sanding, cleaning, and lubricating the wear plates, but that also only resulted in short-term remediation.

Other wear plate designs were placed into a test or trial environment, but they did not achieve a satisfactory level of performance. GGB stepped forward and provided a possible solution that was tested for the better part of a year and has proven to work.

In December 2016 Sound Transit issued a Request for Proposals. Three proposals were received. GGB was selected based on best value and price points system as prescribed by the contracts

department. GGB out-performed the other bidders and was selected based on past experience and the ability to meet the procurement requirements.

FISCAL INFORMATION

The proposed action will be funded from the Materials & Supplies category within the Operations Department's annual operating budget. The Materials & Supplies category budget is \$10,831,374, of which a total of \$272,256 is estimated to be spent in the current year of the contract and is within the agency's budget authority. After approval of this action, the remaining annual budget amount will be used to fund other department expenditures anticipated in the 2017 annual budget.

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	\$16,280	\$1,875		\$1,875	\$4,584
Services	60,426	7,928		7,928	52,498
Materials and Supplies	10,831	776	272	1,048	9,783
Utilities	5,276	799		799	4,477
Insurance	-	11			
Taxes	2,595	369		369	2,226
Purchased Transportation Services	163,027	26,632		26,632	136,395
Miscellaneous	388	37		37	351
Leases and Rentals	8,601	1,370		1,370	7,231
Total Annual Operating Budget	\$267,423	\$39,797	\$272	\$10,851	\$66,865

Contract Spending Plan	Prior Year Spending	Forecast 2017 Spending	Future Expenditures	Total
GGB, LLC	-	272	-	272

Contract Detail	Board Approved Contract Value	Contract Actuals to Date	Proposed Action	Proposed Revised Board Approved Contract Value
L & R Linden LLC				
GGB, LLC	-	-	\$272	\$272
Contingency			-	-
Contract Amount - Total	-	-	272	272
Percent Contingency	0%	0%	0%	0%

Notes:

Amounts are expressed in Year of Expenditure \$000.

Operations Department budget can be found on page 25 of Proposed 2017 Budget book.

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 Small Business and DBE subcontracting opportunities are infeasible or improbable based upon the work described in this contract, so Small Business/DBE goals were not established or required.

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

Complaints from both operators and the public about noise caused by the current wear plates has been increasing.

ENVIRONMENTAL REVIEW

Jl 3/31/2017

LEGAL REVIEW

AJP 3/30/2017

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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 GGB, LLC to provide wear plate assemblies for Link light rail vehicles for a total authorized contract amount not to exceed \$272,256.

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 GGB, LLC to provide wear plate assemblies for Link light rail vehicles for a total authorized contract amount not to exceed \$272,256.

APPROVED by the Operations and Administration Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on April 6, 2017.



Paul Roberts
Operations and Administration Committee Chair

ATTEST:



Kathryn Flores
Board Administrator