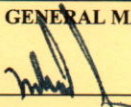
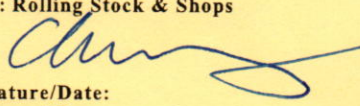
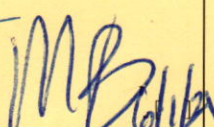
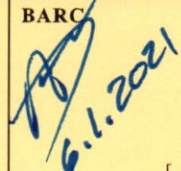




EXECUTIVE DECISION DOCUMENT

GENERAL MANAGER APPROVAL:  6/2/2021		GENERAL MANAGER ACTION REQ'D:		
DATE: 5/7/2021		BOARD INITIATED ITEM: No		
Originator/Prepared by: Charles Franz Dept: Rolling Stock & Shops  Signature/Date: June 1, 2021	General Counsel 	Controller/Treasurer Chris Gae 6/01/2021 []	District Secretary []	BARC  6.1.2021 []

Award of Contract 6M3485 - Wheel Impact Detector

PURPOSE:

To request Board authorization for the General Manager to award Contract No. 6M3485 to Salient Systems, of Dublin, OH, subsidiary of LB Foster Inc, for the fabrication, installation, and commissioning of a wayside wheel impact detector.

DISCUSSION:

In the course of regular operation of railroad equipment, specific defects can materialize on the tread of the wheel that cause damage to the track and the railcar. Such defects can include flat spots among other things; the severity of which can range widely as they impact safety, performance, reliability, and passenger comfort. Currently, the only method of detecting wheel tread defects is during PM (preventative maintenance) inspection or by ear (if they are causing noise or vibration), from train operators, mainline technicians, or patrons. There are two problems this creates: timeliness of defect detection, and accuracy of diagnosis, due to their subjective nature. These problems can be solved by automating the inspection and measurement of these defects with a device such as a wheel impact detector.

A wheel impact detector is a track-mounted instrument widely used in the freight and general railroad system that measures the physical force exerted by each wheel as it passes over for two full revolutions. If there is a defect on the tread, the detector will recognize it as a spike in the force applied to the rail, and make appropriate notifications in real time. This will dramatically increase the frequency and accuracy of defect reporting, allowing staff to detect

potential safety and operational concerns faster. Further, with discreet force measurements of wheel tread defects from the detector, staff can set both statistical and absolute thresholds on how the Operations Control Center (OCC) handles and routes cars with such defects. This will improve overall rail system performance by reducing switching, unnecessary work, and railcar downtime.

This contract procures a single wheel impact detector designed to suit the District's needs, as well as assists in the installation, calibration, commissioning, and includes two years of subsequent calibration and subscription to the vendor's analysis software.

Advance Notice to Bidders was sent to three (3) prospective Bidders on March 16, 2021. The Contract was posted to the District's Procurement Portal on March 17, 2021, and was made available to prospective Bidders to download electronically. The Contract was also advertised in local publications on March 16, 2021. A total of seven (7) prospective Bidders downloaded the Contract through the Procurement Portal. A Pre-Bid meeting was conducted on March 30, 2021, with two (2) firms attending.

One (1) Bid was submitted to the District on May 4, 2021. The Bidder is listed below:

Bidder	Bid Price
Salient Systems, of Dublin, OH, subsidiary of LB Foster Inc.	\$292,020.00

The Technical Qualification Bid was reviewed by a Selection Committee ("Committee") consisting of three members from Rolling Stock and Shops Administration, Engineering, and Procurement. The method of evaluation used was Acceptable Technical Qualification / Lowest Price (Two-Step Procurement). Bids were first reviewed to determine if the Technical Qualifications were responsive to the requirements of the Contract. Subsequently, the Bid was evaluated.

Pursuant to the District's Non-Federal Small Business Program, the Office of Civil Rights set a 5% Small Business Prime Preference for this Contract for Small Businesses certified by the California Department of General Services. The lowest responsive Bidder Salient Systems is not a certified Small Business and, therefore, is not eligible for the 5% Small

Business Prime Preference

Pursuant to the District's Non-Discrimination Program for Subcontracting, the Availability Percentages for this Contract are 5.5% for Minority Business Enterprises (MBEs) and 2.8% for Women Business Enterprises (WBEs). The Bidder Salient Systems will not be subcontracting any portion of the Work and therefore, the provisions of the District's Non-Discrimination Program for Subcontracting do not apply.

Staff has determined that Salient System's Bid total of \$292,020.00 is fair and reasonable, within the project's budget, and less than the Engineer's Estimate of \$300,000.00.

After the review of the Bidder's business experience, references, and financial capabilities, the Bidder was also determined to be responsible.

FISCAL IMPACT:

Funding in the amount of \$292,020 for award of Contract 6M3485 is in the total project budget for the RS&S Tools & Equipment Project Number 79NB001.

The table below lists funding assigned to the referenced project and is included to track funding history against spending authority. Funds needed to meet this request will be expended from the following sources:

Project 79NB001:

Fund	Description	Type	Amount
8534	FY2020 Operating Capital Allocation	Internal	\$511,000
8530	FY16 Operating Capital Allocation	Internal	\$493,000
8531	FY2017 Operating Capital Allocation	Internal	\$490,000
8529	FY 2015 Operating Capital Allocation	Internal	\$1,124,912
8532	FY2018 Operating Capital Allocation	Internal	\$500,000
8533	FY2019 Operating Capital Allocation	Local	\$500,000
Total			\$3,618,912

As of May 27, 2021, \$3,618,912 is the total budget for this project. BART has expended \$2,023,262, committed \$4,651, and reserved \$1,232,000 to date. This action will commit \$292,020, leaving an available fund balance of \$66,979 in this fund source for this project.

The Office of the Controller/Treasurer certifies that funds are currently available to meet this obligation.

This action is not anticipated to have any Fiscal Impact on unprogrammed District reserves.

ALTERNATIVES:

The alternative to awarding this contract would be to reject the bid received and re-advertise the Contract. Staff does not believe this would result in a better price or increased competition.

RECOMMENDATION:

Adopt the following motion.

MOTION:

The General Manager is authorized to award Contract No. 6M3485 to Salient Systems, of Dublin, OH, subsidiary of LB Foster Inc, for a total bid price of \$292,020.00.