

**Board Report**

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**File #:** 2016-0847, **File Type:** Contract**Agenda Number:** 39

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**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE  
JANUARY 19, 2017****SUBJECT: A650 FRICTION BRAKE SYSTEM OVERHAUL****ACTION: AWARD CONTRACT FOR A650 FRICTION BRAKE SYSTEM OVERHAUL****RECOMMENDATION**

AWARD a sole source 60-month indefinite quantity/indefinite delivery Contract No. MA6274900 for the **overhaul of 52 friction brake systems for Breda A650 Red Line cars to Wabtec Passenger Transit (Wabtec)**, the original equipment manufacturer (OEM), for a not-to-exceed amount of \$2,857,400, inclusive of one service option.

**ISSUE**

The Red Line Fleet is comprised of 104 cars (52 married pairs). The friction brake system on the Breda A650 rail car requires a Time-Based, Major Overhaul every four years. The Red Line A650 fleet is in its 22<sup>nd</sup> year of operation with over 1.1 million miles per rail car. The recommended preventative maintenance program to ensure a continued level of safety and reliability requires the brake systems be overhauled every four years in accordance with the OEM recommended interval and procedures. This procurement is for the acquisition of the friction brake system overhaul services.

**DISCUSSION**

The friction brake overhaul requires Rail Fleet Services to remove brake components from the A650 vehicle then send them to Wabtec where they are overhauled and tested at their location. Wabtec will warrant the overhauled parts for a minimum of two years. The tentative implementation schedule is one married-pair (two cars) per month.

**DETERMINATION OF SAFETY IMPACT**

Award of the Contract for brake system overhaul services will improve fleet availability and reliability while ensuring compliance with the OEM's recommended overhaul cycle. The brake system is safety sensitive, and if it is not properly maintained, it can cause service delays, mechanical damage to other vehicle components, and affect passenger safety.

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Compliance with these overhaul specifications helps provide safe and reliable HRV operation prolongs equipment life, and increases reliability.

### **FINANCIAL IMPACT**

The total Contract amount is \$2,857,400. Funding of \$214,500 for this procurement is included in the FY17 budget in cost center 3942, Rail Fleet Services Maintenance Red Line, under project number 300044, line item 50441, Parts - Revenue Vehicle.

Since this is a multi-year contract, the cost center manager, project manager and Executive Officer, Rail Fleet Services will ensure that the balance of funds is budgeted in future fiscal years.

#### **Impact to Budget**

The FY17 funding for this acquisition will come from the Enterprise Operating fund. The source of funds for this procurement will come from Federal, State and local funding sources including sales tax and fares that are eligible for Bus and Rail Operating Projects. These funding sources will maximize the use of funds for these activities

### **ALTERNATIVES CONSIDERED**

An alternative is not to perform the overhaul. This would compromise safety and reliability of the entire rail-car fleet. This is not recommended due to the brake system is reaching its required maintenance cycle and upon failure will impact fleet safety, availability and reliability. Unscheduled maintenance repairs for this system on a component per component level results in higher operating costs for the agency versus reduced costs by performing scheduled maintenance.

### **NEXT STEPS**

Overhaul of the friction brake system on the A650 heavy rail vehicles will continue in accordance with Rail Fleet Services' scheduled requirements. If approved, the project is scheduled to commence in March 2017.

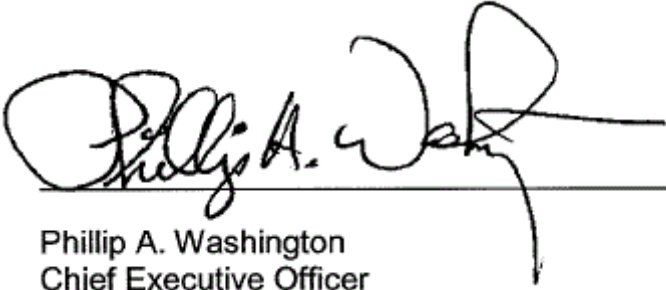
### **ATTACHMENTS**

Attachment A - Procurement Summary

Attachment B - DEOD Summary

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Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

## A650 FRICTION BRAKE SYSTEM OVERHAUL/MA6274900

1.	Contract Number: MA6274900	
2.	Recommended Vendor: Wabtec Passenger Transit	
3.	Type of Procurement (check one): <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input checked="" type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	Procurement Dates:	
	A. Issued: 7/8/16	
	B. Advertised/Publicized: N/A	
	C. Pre-proposal/Pre-Bid Conference: N/A	
	D. Proposals/Bids Due: 8/5/16	
	E. Pre-Qualification Completed: 9/20/16	
	F. Conflict of Interest Form Submitted to Ethics: 9/26/16	
	G. Protest Period End Date: 1/19/2017	
5.	Solicitations Picked up/Downloaded: 1	Bids/Proposals Received: 1
6.	Contract Administrator: Jean Davis	Telephone Number: 213 - 922-1041
7.	Project Manager: Fred Kan	Telephone Number: 213 - 922-3304

**A. Procurement Background**

This Board Action is to approve Contract No. MA6274900 issued in support of Metro's Red Line Heavy Rail Vehicle (HRV) to procure services required for the complete overhaul and repair of the friction brake system. The existing friction brake systems on the Breda A650 rail cars was designed and built by Wabtec Passenger Transit, the original equipment manufacturer (OEM). It was determined by Metro's engineering and operations team that, to ensure full operational capability, the overhaul of the friction brake systems should be overhauled by the OEM. The awardee is the OEM.

The RFP for a sole source was issued in accordance with Metro's Acquisition Policy and the contract type is a not-to exceed Indefinite Delivery, Indefinite Quantity (IDIQ).

**B. Evaluation of Proposal**

This is sole source procurement. Metro's technical staff conducted technical fact-finding meetings and a technical evaluation of the technical proposal. The technical evaluation consisted of review of the proposer's proposed labor hours, proposed assigned technical personnel and labor categories. The proposal was found to be technically acceptable.

The firm recommended for award, Wabtec Passenger Transit (Wabtec), was found to be in full compliance with the proposal requirements.

**Qualifications Summary of Firm:**

Wabtec is the OEM of the Breda A650's HRV friction brake system and has provided equipment and services for various government and transit agencies (e.g., Caltrans and SCRRRA/Metrolink). Wabtec has performed satisfactory work on the prior two brake system overhauls for Metro Red Line's A650 vehicles completed in 2008. The firm has also performed satisfactory work on the overhaul services on Metro Green Line's P2000 vehicle brake system completed in 2011 and 2016.

**C. Cost Analysis**

The recommended contractor's price proposal was evaluated in compliance with Metro's Acquisition Policy. Staff conducted a cost analysis of the price proposal. Based on our cost analysis and technical analysis the proposed total price has been determined to be fair and reasonable.

	<b>Proposer Name</b>	<b>Proposal Amount</b>	<b>Metro ICE</b>	<b>NTE Amount</b>
1.	Wabtec Passenger Transit	\$2,857,400	\$2,506,400.00	\$2,857,400

**D. Background on Recommended Contractor**

Wabtec was formed in November 1999 when Westinghouse Air Brake Company merged with Motive Power Industries, Inc. The original Westinghouse Air Brake Company was founded in 1869. Wabtec manufactures a broad range of products for locomotives, freight cars and passenger transit vehicles. These products include a vast array of pneumatic, electronic and mechanical devices such as braking equipment, controllers, and couplers for the transit industry worldwide. Wabtec has been providing rail equipment and services in the United States for 130 years.

DEOD SUMMARY

A650 FRICTION BRAKE SYSTEM OVERHAUL / MA24950

**A. Small Business Participation**

The Diversity and Economic Opportunity Department (DEOD) established a 2% Small Business Enterprise (SBE) goal for this solicitation. Wabtec Passenger Transit exceeded the goal by making a 5% SBE commitment.

<b>Small Business Goal</b>	<b>2% SBE</b>	<b>Small Business Commitment</b>	<b>5% SBE</b>
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	<b>SBE Subcontractors</b>	<b>% Committed</b>
1.	Altech Services	5%
	<b>Total Commitment</b>	<b>5%</b>

**B. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this contract.

**C. Prevailing Wage Applicability**

Prevailing wage is not applicable to this contract.

**D. Project Labor Agreement/Construction Careers Policy**

Project Labor Agreement/Construction Careers Policy is not applicable to this contract.