

**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.

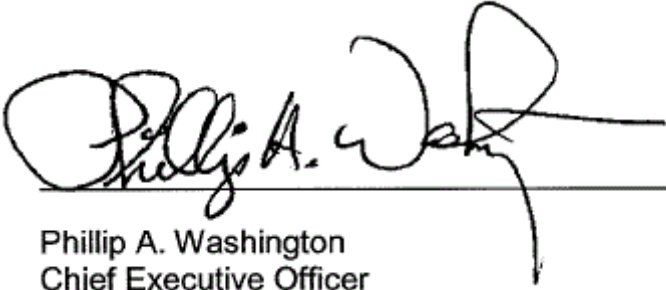
### **ATTACHMENTS**

Attachment A - Procurement Summary

Attachment B - DEOD Summary

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