



## Board Report

**File #:** 2020-0103, **File Type:** Contract

**Agenda Number:** 17.

### OPERATIONS, SAFETY, AND CUSTOMER EXPERIENCE COMMITTEE MAY 21, 2020

**SUBJECT: P2000 COUPLER ASSEMBLY OVERHAUL**

**ACTION: CONTRACT AWARD**

#### **RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to award a 60-month, Indefinite Delivery/Indefinite Quantity (IDIQ) Contract No. MA6264000, to Wabtec Passenger Transit Corporation, Spartanburg, South Carolina, for P2000 Light Rail Vehicle (LRV) Coupler Assembly overhaul services. This award is a not-to-exceed amount of \$2,895,984 subject to resolution of protest(s), if any.

#### **ISSUE**

This procurement is for the acquisition of Coupler Assembly overhaul services as described by the Original Equipment Manufacturer (OEM) established maintenance guidelines. This overhaul encompasses overhaul of fifty-two (52) LRVs or (104) individual coupler assemblies.

Completion of this overhaul ensures the P2000 fleet remains in a constant State of Good Repair (SGR) while safeguarding passenger safety, vehicle performance and equipment longevity.

#### **DISCUSSION**

The P2000 Light Rail Vehicle (LRV) fleet is in its eighteenth (18) year of revenue operation with highest mileage car at 1.8 million miles cumulative fleet mileage of 45 million miles. To ensure continued passenger safety and equipment reliability the Coupler Assembly overhaul is recommended by the OEM at a time base interval of 5 years. The Coupler Assembly consists of mechanical and electrical components including mechanical coupler assembly, buffer, electrical cables, coupler head assembly for trainline functions. Wear and tear of these component is predictable therefore necessitating periodic overhauls accomplished by vendor with specialized equipment and mechanical expertise.

The P2000 Coupler Overhaul is in its 2nd overhaul cycle and is (1 of 5) systems currently under a component overhaul program. Other systems include Power Axle Assembly, Friction Brake & Air Compressor, Auxiliary Inverter (completed), and GTO Driver Board Overhaul also recently completed. This procurement is for the professional services to overhaul fifty-two kits to support the maintenance activities.

Rail Fleet Services (RFS) Engineering developed an equipment overhaul specification for the

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Coupler Assembly Overhaul based upon the OEM recommendations and with RFS maintenance experience. The contractor will perform overhaul services in accordance with a defined schedule and with Metro's technical specifications requirements.

### **DETERMINATION OF SAFETY IMPACT**

Safety is of the utmost importance to Metro and, therefore, it is imperative to maintain the P2000 fleet without deferred maintenance and in a constant state of good repair. The Coupler Assembly overhaul will be accomplished in conjunction with the Modernization overhaul program thereby ensuring the fleet is overhauled in accordance with regulatory standards, according to the defined schedule and technical specifications requirements, and within Metro's internal standards, policies and procedures.

### **FINANCIAL IMPACT**

Funding in the amount of \$200,000 for this procurement is included in the FY20 budget under account 50441, Parts - Revenue Vehicle in Rail Fleet Services, Blue Line cost center 3941, project 300022 and Green Line cost center 3943, project 300033.

Since this is a multi-year contract, the cost center Manager, Project Manager, and Sr. Executive Officer will ensure that the balance of funds are budgeted in future fiscal years.

#### **Impact to Budget**

The current source of funds for this action are Federal, Prop A, Measure M, State SB1, and Enterprise Funds including fares and advertising. Using these funding sources maximizes the project allocations allowed by approved funding provisions and guidelines. This procurement is part of the on-going LRV preventive maintenance program.

### **IMPLEMENTATION OF STRATEGIC PLAN GOALS**

Approval of this recommendation supports the following Metro Strategic Plan Goal 2, Deliver outstanding trip experience for all users of the transportation system.

### **ALTERNATIVES CONSIDERED**

Deferral of this program is not recommended as the Coupler Assembly is an integral component of the vehicle systems that if not properly maintained could result in equipment failures, service delays, risk to passenger safety, with negative impact to vehicle available and reliability.

### **NEXT STEPS**

Overhaul of the P2000 LRV Couper Assembly overhaul will continue in accordance with Rail Fleet Services' scheduled requirements. If approved, the project is scheduled to commence in June 2020.

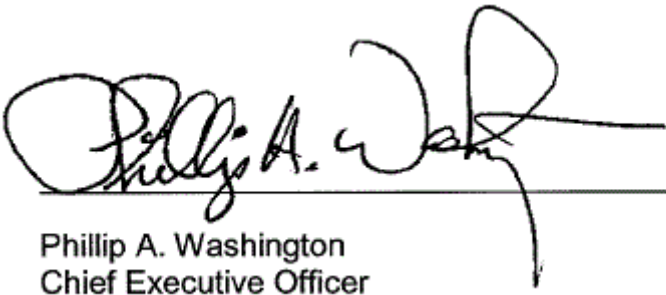
### **ATTACHMENTS**

Attachment A - Procurement Summary

Attachment B -DEOD Summary

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