



Board Report

File #: 2017-0642, File Type: Contract

Agenda Number: 24.

SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE NOVEMBER 16, 2017

**SUBJECT: P2550 LIGHT RAIL VEHICLE (LRV) MIDLIFE
MODERNIZATION PROGRAM - CONSULTANT
SUPPORT SERVICES FOR SPECIFICATION
DEVELOPMENT & SOLICITATION OF CONTRACTOR**

ACTION: APPROVE CONTRACT AWARD

RECOMMENDATION

AWARD a firm fixed price Contract No. 45383000 for Consulting Support Services to STV Incorporated for the P2550 Light Rail Vehicle (LRV) Midlife Modernization Program, in the amount of \$1,421,086.73, for 24 months from Notice to Proceed, subject to resolution of protest(s), if any.

ISSUE

The P2550 LRVs have an average age of ten (10) years from date of Acceptance. The fleet is in need of modernization to address obsolescence of components; decreased reliability and availability; increased maintainability costs; and to ensure a State of Good Repair (SGR). Approval of this action authorizes STV Incorporated to assist Metro with:

- a) The development of a Request for Proposal (RFP) package for the solicitation of a Contractor; documents include the commercial and technical specifications, scope of work, and associated technical documents; and with
- b) The Contractor solicitation and award process.

DISCUSSION

Metro is seeking Rail Vehicle Consultant support services for the development of an RFP package and solicitation of a Contractor for the midlife modernization of its AnsaldoBreda (AB) P2550 LRV fleet consisting of fifty (50) rail cars. The primary goal of this LRV midlife program is to maintain this fleet in a State of Good Repair. The current P2550 LRVs require repair, upgrades, and/or replacement of components, appointments, and subsystems to maintain fleet safety, reliability, availability, performance, and passenger comfort.

Metro currently operates fifty (50) AB P2550 LRV's on the Gold/Foothill Extension lines. These cars

have an average age of 10 years (from date of acceptance) and approximately 500,000 (500k) revenue service miles. They have a design life of 30 years and are accumulating approximately 70k miles per year. The fleet is also approaching its mid-life at which point reliability and availability begin to decrease and maintenance costs begin to increase unless a modernization effort is affected to maintain the cars in a State of Good Repair. It is the intent of this action to develop a scope of work and technical specifications for the modernization program based on a condition-based assessment of the fleet and the OEM's recommendations.

Performing the modernization program is in accordance with the Rail Fleet Management Plan FY2015-FY2040 (Draft, May 24, 2016, v.8). The plan outlines the anticipated program to expand rail fleets to accommodate anticipated growth in ridership; line extensions; and to overhaul or replace vehicles reaching mid-life or end of life, as appropriate.

Metro is seeking expert rail vehicle consulting services to develop the RFP package and support the solicitation of a Contractor for the midlife modernization of the 50 AB P2550 LRV fleet. The primary objective of the project is to obtain safe, reliable, high quality modernized LRVs on-time and within budget, and to create new jobs for Los Angeles County that can be tied directly to the Modernization Program.

The Diversity and Economic Opportunity Department (DEOD) recommended a Disadvantaged Business Enterprise (DBE) goal of 20% for this procurement (please refer to Attachment E). STV Incorporated's reported 20.11% DBE goal complies with the DEOD's recommendation.

DETERMINATION OF SAFETY IMPACT

The approval of this Contract award will have a direct and positive impact to system safety, service quality, system reliability, maintainability and overall customer satisfaction. The P2550 Light Rail Vehicle Overhaul Program will permit Metro to maintain the State of Good Repair (SGR) on the P2550 LRV fleet.

FINANCIAL IMPACT

The FY18 planned expenditure of \$615,000 is included in the FY18 budget for the Overhaul Program in Cost Center 3043, Rail Vehicle Acquisition, Account 50308, Service Contract (Non-Bus) Maintenance, under CP 214003, P2550 Light Rail Vehicle Midlife Modernization Program.

Since this is a multi-year contract, the cost center manager will be responsible for dispersing the cost for subsequent years.

Impact to Budget

The source of funds for this action include Federal Section 5337 State of Good Repair funds. Other eligible funds include Proposition A 35% and Measure R 2% which are eligible for rail capital activities. Concurrently, staff is actively pursuing additional Federal, State and Local funding sources such as FAST Act and Cap and Trade as they become available to meet project funding needs.

ALTERNATIVES CONSIDERED

Staff considered the alternative of using in-house Metro resources to perform this work. This approach is not recommended as Metro does not have sufficient resources and Subject Matter Experts (SME) available to perform this work.

The Board of Directors may choose not to authorize the contract award for this project; however, this alternative is not recommended by Metro staff because the Modernization Program is critical to maintaining a SGR on the 50 AB P2550 LRVs and to enable the Maintenance Department to effectively plan and schedule its work.

NEXT STEPS

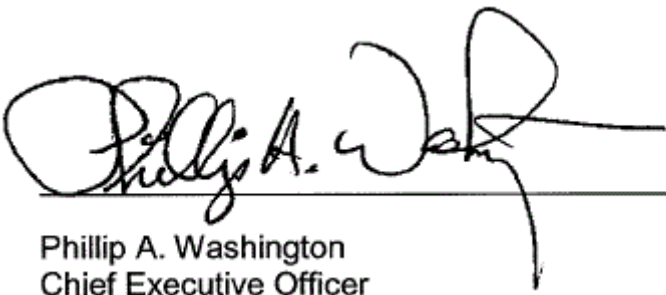
Upon Board approval, a contract will be awarded and a Notice-to-Proceed date will be given to STV Incorporated. Metro and STV Incorporated will mobilize required resources and SMEs to ensure timely completion of deliverables including specifications development, scope of work (SOW), and an RFP package to initiate the solicitation of a contractor and award a Midlife Modernization contract.

ATTACHMENTS

- Attachment A - Funding/Expenditure Plan
- Attachment B - Procurement Summary
- Attachment C - DEOD Summary

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