

**Board Report**

File #: 2020-0054, **File Type:** Contract

Agenda Number: 29.

**OPERATIONS, SAFETY AND CUSTOMER EXPERIENCE COMMITTEE
FEBRUARY 18, 2021**

SUBJECT: CONSULTING SERVICES FOR THE P2550 LIGHT RAIL VEHICLE (LRV) MIDLIFE MODERNIZATION/OVERHAUL PROGRAM, TECHNICAL AND PROGRAM MANAGEMENT SUPPORT SERVICES

ACTION: APPROVE PROFESSIONAL SERVICES RECOMMENDATION

RECOMMENDATION

AWARD a cost plus fixed fee contract for Technical and Program Management Support Services under Contract No. PS73193-2550 for P2550 Light Rail Vehicle (LRVs) Midlife Modernization/Overhaul Program Consultant Support Services, to LTK Consulting Services, Inc. in the not-to-exceed amount of \$6,470,848.47 for a period of 60 months from issuance of a Notice-to-Proceed (NTP) for the midlife modernization/overhaul of 50 AnsaldoBreda P2550 LRVs.

ISSUE

Metro will require Technical and Program Management Support Services to provide oversight of the Rail Vehicle Contractor in order to facilitate the timely modernization/overhaul and delivery of the P2550 LRVs and associated deliverables.

In May 2019, the Board authorized staff to issue a federally funded solicitation for a Best Value Request for Proposals (RFPs) as competitive negotiations pursuant to PCC § 20217 and Metro's procurement policies and procedures for the Midlife Modernization/Overhaul Program.

DISCUSSION

Currently, Metro operates 50 AnsaldoBreda P2550 LRVs on the Gold Line Foothill Extension; operating from Azusa to East Los Angeles, via Union Station (29.7 miles, each direction). The LRVs are on average 10 years old from date of acceptance and have an average mileage of approximately 720,000 revenue service miles. A few of the critical systems and components on these P2550 LRV fleet are experiencing parts obsolescence issues, lack of vendor support and outdated technology. These deficiencies diminish the performance and maintainability of the fleet. By modernizing/overhauling and replacing these critical systems and components, this midlife Modernization Program will maintain the fleet's State of Good Repair (SGR) and ensure the continued safety, reliability, availability, and maintainability of the fleet for revenue service.

The Consultant shall provide Metro with expert professional engineering, technical oversight, and program management support services as directed and required by Metro's staff to ensure the Rail Vehicle Contractor's performance is consistent with the delivery requirements of the Contract. Subject to Metro's direction, the Consultant shall apply appropriate engineering, technical and program management resources to ensure the timely overhaul and delivery of the overhauled vehicles and associated deliverables.

The scope of services shall include, but not be limited to reviewing and preparation of correspondence in response to technical submissions; provide oversight of the project status; identify any variances from schedule and deliverable requirements and recommend corrective action; assess and report on project performance; support of Project Reviews; document control; oversight of the Rail Vehicle Contractor's supply chain process; review Change Order requests; test and inspection activity oversight; and other technical and program management support services as directed by Metro.

Using a single consultant to provide support for both Technical Oversight and Program Management was adopted as a streamlined approach because the scope of a midlife overhaul is not as complex as a new vehicle procurement which requires a depth and breadth of consultant support that justifies splitting the two disciplines across separate consultant contracts. In addition, it is much easier to manage one consulting firm than two as there is potentially integration and coordination issues among two consulting firms.

The Diversity & Economic Opportunity Department (DEOD) has completed its initial evaluation of the Proposer's commitment to meet the twenty percent (20%) Race Conscious Disadvantage Business Enterprise (RC DBE) goal established for this project. LTK Consulting Services, Inc. exceeded the goal by making a 25.49% DBE commitment and is deemed responsive to the DBE requirements.

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 Midlife Modernization/Overhaul Program will permit Metro to maintain the SGR on the LRV fleet.

FINANCIAL IMPACT

The planned expenditure of \$4,500,000 is included in the FY21 budget in cost center 3043, Rail Vehicle Acquisition, Account 50316. This amount includes both Contractor cost and Professional and Technical Services, under project number CP214003, P2550 Light Rail Vehicle Midlife Modernization/Overhaul Program.

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

Impact to Budget

The current sources of funds for the overhaul program and Consulting Services are TDA Article 4 and Proposition A 35%. Staff will pursue additional Federal, State, and Local funds as they become available to maximize the allowable funding allocations given approved guidelines and provisions.

ALTERNATIVES CONSIDERED

Staff considered the following alternatives: 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 available to perform this work. This approach is not recommended for the lack of staff capabilities listed above.

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 Midlife Modernization/Overhaul Program is critical to maintaining a SGR on the 50 AnsaldoBreda P2550 LRVs and to enable the Maintenance department to effectively plan and schedule its work.

NEXT STEPS

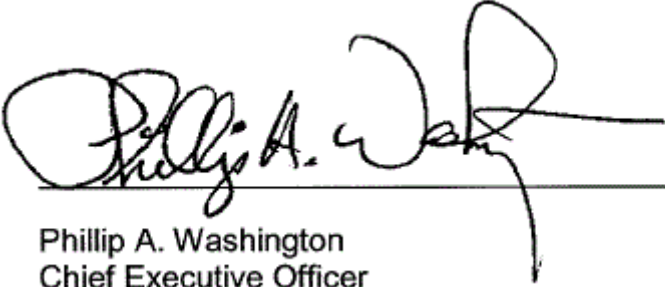
Upon Board approval, a contract will be awarded and a Notice-to-Proceed will be issued to LTK Consulting Services, Inc. Metro and LTK Consulting Services, Inc. will mobilize required resources and SMEs to ensure timely completion of deliverables by the Rail Vehicle Contractor.

ATTACHMENTS

- Attachment A - Procurement Summary
- Attachment B - DEOD Summary

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