



Board Report

File #: 2017-0149, File Type: Contract

Agenda Number: 20.

EXECUTIVE MANAGEMENT COMMITTEE MARCH 16, 2017

**SUBJECT: CONSULTING SERVICES FOR THE P2000 LIGHT RAIL VEHICLE (LRV)
OVERHAUL PROGRAM, TECHNICAL AND PROGRAM MANAGEMENT SUPPORT
SERVICES**

ACTION: AWARD PROFESSIONAL SERVICES CONTRACT

RECOMMENDATION

AWARD a cost plus fixed fee contract for Technical and Program Management Support Services under Contract No. OP20113000 for the **P2000 Light Rail Vehicle Overhaul Program Consultant Support Services, to CH2M Hill, Inc.**, in the not-to-exceed amount of \$5,829,626 for a period of 55 months from issuance of a Notice-to-Proceed (NTP) for the overhaul of 52 Siemens P2000 LRVs, subject to resolution of protest(s), if any.

ISSUE

Metro will require Technical and Program Management Support Services to provide oversight of the Rail Vehicle Overhaul Contractor in order to facilitate the timely overhaul and delivery of the P2000 LRVs and associated deliverables.

DISCUSSION

Metro operates 52 Siemens P2000 LRVs on the Green, Blue and Expo Lines. The P2000 LRVs were delivered between 2000 and 2003. The age of this fleet and accumulated mileage (average of 1.15 million miles) indicate it is timely to perform an overhaul of key subsystems.

The Consultant shall provide Metro with expert professional engineering, technical oversight, and program management support services as directed and required by Metro staff to ensure the Rail Vehicle Overhaul Contractor's performance is consistent with the delivery requirements of the Contract. Subject to Metro 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 Overhaul Contractor's supply chain process; review and provide input on change order requests; test and inspection activity oversight; and other technical and program management support services as directed by Metro.

The approach to use a single consultant to provide both Technical and Program Management support is typical of the vast majority of Metro's rail vehicle capital projects. Separate consultants are used when, due to the scale and complexity of the project, it is a challenge for individual firms to adequately staff for the anticipated duration, thus limiting competition. As the scale and complexity of the overhaul is very limited, Metro's typical use of one consultant is employed.

The Diversity and 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. CH2M Hill, Inc. exceeded the goal by making a 24.8% 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 P2000 Light Rail Vehicle Overhaul Program will permit Metro to maintain the state of good repair (SGR) on the LRV fleet.

FINANCIAL IMPACT

The total contract amount for this effort is \$5,829,626. \$2,304,000 is included in the FY18 budget in cost center 3043, Rail Vehicle Acquisition, Account 50316, Professional and Technical Services under project number CP206044, P2000 Light Rail Vehicle Overhaul Program.

Since this is a multi-year contract, the cost center manager and project manager will be responsible for budgeting the cost in future fiscal years, including the exercise of any options.

Impact to Budget

The source of funds for this action is Federal Section 5337 State of Good Repair funds provided under the Transportation Improvement Program (TIP). Other eligible source of funds include Proposition A 35% and Measure R 2% which is eligible for rail capital activities. At this time, staff is developing guidelines for the Measure M (MM) Ordinance which may allow for the utilization of MM 2% State of Good Repair, MM 5% Rail Operations and MM 20%, Transit Operations as Rail State of Good Repair efforts are eligible uses for the MM source of funds. These guidelines are planned for adoption approximately midyear 2017. Concurrently, staff is actively pursuing additional State and Federal sources such as FAST Act and other eligible Federal sources to further supplement this project. Staff is also pursuing additional State and Local funding sources such as Cap and Trade and similar sources as they become available to meet the project funding needs.

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 (SMEs) 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 Overhaul Program is critical to maintaining a SGR on the 52 Siemens P2000 LRVs and to enable the Maintenance department to effectively plan and schedule its work.

NEXT STEPS

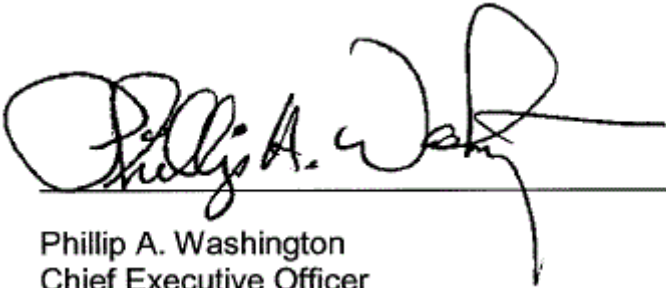
Upon Board approval, a contract will be awarded and a Notice-to-Proceed will be issued to CH2M Hill, Inc. Metro and CH2M Hill, Inc. will mobilize required resources and SMEs to ensure timely completion of deliverables by the Rail Vehicle Contractor.

ATTACHMENTS

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

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