



## Board Report

File #: 2017-0617, File Type: Contract

Agenda Number: 31.

### CONSTRUCTION COMMITTEE OCTOBER 19, 2017

**SUBJECT: INSPECTION OF STRUCTURES CONTRACT**

**ACTION: AWARD PROFESSIONAL SERVICE CONTRACT**

#### **RECOMMENDATION**

CONSIDER:

- A. AUTHORIZING the Chief Executive Officer to execute a seven-year, firm fixed price Contract No. AE39820000, with Owen Group, Inc. for the inspection of Metro structures, including light rail, roadway, bikeway, and busway bridges, elevated stations, subway tunnels, and retaining walls, comprised of a base term of five years in the amount of \$2,477,273, with two, one-year options, in the amounts of \$510,100 for option year one, and \$512,250 for option year two, for a combined total of \$3,499,623, subject to the resolution of protest(s), if any; and
- B. APPROVING Contract Modification Authority specific to Contract No. AE39820000 in the amount of \$699,925 or 20% of the total contract value, to cover any unforeseen issues that may arise during the course of the Contract.

#### **ISSUE**

Metro owns and operates structures that require periodic inspection to ensure public safety, and maintain reliability of the bus and rail system. There are approximately 241 structures that require on-going professional evaluation. Currently, Metro's existing staff is fully engaged and does not have the resources or specialized technical skills to carry out these tasks.

Award of this Contract will enable Metro to supplement internal resources for the work detailed above, and to ensure that our inspection frequency meets the guidelines established by the National Bridge Inspection System, and the National Rail Transit Tunnel standards.

#### **DISCUSSION**

Metro executive management identified State of Good Repair as a priority for the agency. In order to ensure that the assets required for safe operation of the rail and bus system are kept in good repair, it is necessary to provide periodic inspections of each asset on a rolling schedule. Contract No. PS85103002 Supplemental Engineering Consultant Services Task Order 2, awarded in March of

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2013, was the previous authority for the provision of this service. At the conclusion of that contract, the total asset list to be inspected was increased to accommodate structures that were previously not included or those that were brought into service after the date of award. The national standard for bridge inspection frequency recommends evaluation every three (3) years, and the federal guidelines for rail transit tunnels recommend inspection every five (5) years. This Contract is of sufficient duration to ensure that all required inspections are performed under the scope of this authority.

### Findings

Professional engineering staff is required to perform structural evaluations, identify defects and provide recommendations to mitigate any flaws identified as well as provide condition assessments for Metro's Transit Asset Management Program. The firm selected demonstrated a high level of competence and experience in the technical requirements of the services described above. Owen Group, Inc. has put together a team of employees and expert subcontractors with the documented ability to provide Metro with ratings of the structures consistent with our State of Good Repair reporting guidelines.

### **DETERMINATION OF SAFETY IMPACT**

In order to comply with Federal regulations, Metro must evaluate the condition of all structures that have a potential safety impact. The structures identified in the statement of work will all be inspected, assessed, and given a condition rating consistent with the Federal Transit Administration Transit Economic Requirements Model (TERM) rating scale. The ratings and identified defects will be utilized to determine the need for targeted repairs to ensure safety and continuing State of Good Repair.

### **FINANCIAL IMPACT**

The funding for eight months of \$334,000 for this action is included in the FY18 budget in cost center 6821, Enterprise Transit Asset Management under projects 300022 (Rail Operations - Blue Line), 300033 (Rail Operations - Green Line), 300044 (Rail Operations - Red Line), 300055 (Gold Line), 300066 (Rail Operations - Expo Line), 301012 (Metro Orange Line) and 306001 (Operations Transportation).

Since this is a multi-year contract, the Chief Risk, Safety and Asset Management Officer will be responsible for budgeting this expense in future years.

### Impact to Budget

Approval of this action has no impact on the FY18 budget. The current fiscal year funding for this action will come from the Enterprise, General and Internal Service funds. No other sources of funds were considered since the structure inspections exclusively support rail and bus operations.

### **ALTERNATIVES CONSIDERED**

Staff considered performing this work in-house; however, it was determined that Metro does not

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currently have available staff with experience and expertise in the specific disciplines required to perform this work as required.

**NEXT STEPS**

Upon Board approval, staff will execute Contract No. AE39820000 with Owen Group, Inc. to provide inspection services of Metro structures.

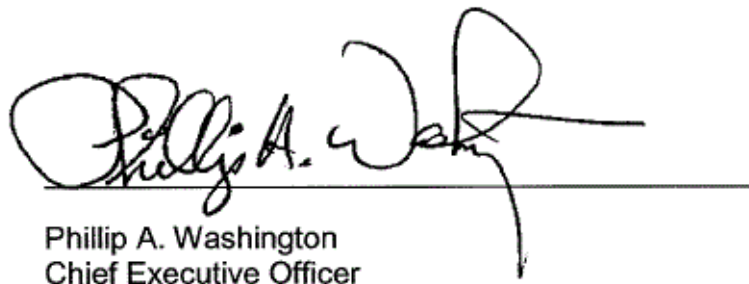
**ATTACHMENTS**

Attachment A - Procurement Summary

Attachment B - DEOD Summary

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