

**Board Report**

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**File #:** 2023-0620, **File Type:** Contract**Agenda Number:** 22.

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**OPERATIONS, SAFETY, AND CUSTOMER EXPERIENCE COMMITTEE  
NOVEMBER 16, 2023****SUBJECT: ENGINEERING SUPPORT SERVICES FOR VERTICAL TRANSPORTATION  
SYSTEM AND RELATED SERVICES****ACTION: APPROVE CONTRACT AWARD****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to award a ten-year firm fixed unit rate Contract No. AE89754000 to Gannett Fleming, Inc. for engineering support services for vertical transportation system and related services, for a not-to-exceed amount (NTE) of \$36,324,570 for the six-year base term, and \$12,187,396 for each of the two, two-year option terms for a total combined NTE amount of \$60,699,362, effective January 1, 2024, subject to resolution of any properly submitted protest(s), if any.

**ISSUE**

Engineering services are needed to support the Operations Infrastructure Maintenance and Engineering (IM&E) Department with the modernization of system-wide vertical transportation systems. The IM&E Department seeks to augment the engineering capacity with technical resources to develop and manage a long-term comprehensive vertical transportation capital improvement project.

**BACKGROUND**

Metro has 231 elevators and 173 escalators systemwide that are heavily used. Many of the elevators and escalators are among the oldest in the entire Metro system and are reaching the end of their useful lives. For FY23, the elevator and escalator availability key performance indicator (KPI) goals were set at 98.95% and 99.04% respectively. Final FY23 elevator and escalator availability was 98.85% and 98.75% with elevators being 0.10% short and escalators being 0.29% short of their respective KPI goals. Over 4,000 hours of downtime was due to repair and remanufacturing of obsolete parts and equipment. In addition, elevators and escalators must be improved to accommodate the higher ridership capacity in preparation for the Olympic and Paralympic Games in 2028. Elevators and escalators are critical to Metro's operations and must sustain high levels of equipment reliability. They play a vital role in customer access to transit services, especially for mobility-impaired customers, such as people with disabilities or parents with young children in strollers. Developing and managing a comprehensive vertical transportation modernization program

is critical to ensuring elevators and escalators are kept in a state of good repair and continue to be available and reliable for customers.

### **DISCUSSION**

Metro operates and maintains a robust vertical transportation system at transit stations and facilities that must provide efficient and reliable passenger circulation to move passengers and provide accessibility. Metro's vertical transportation systems include aging elevators and escalators that will become more costly to repair and require longer downtimes to return to service should they require repair. Metro is seeking to modernize the aging elevators and escalators through its Capital Improvement Program (CIP). The Life of Project (LOP) budget for the Elevator and Escalator Modernization capital project is \$126,700,000 with an estimated duration of 10 years. Engineering services under this contract would include engineering design, project management, cost estimates, project schedules, and architectural elements. Modernization of elevators and escalators involves renewal and enhancement of components to extend service life. Modernization also involves the enhancement of systems using state-of-the-art design techniques and equipment for the purpose of improving capacity, accessibility, and ridership experience.

An assessment was conducted to review the conditions of elevators and escalators. Based on the assessment, staff calculated that a contract value up to \$60,699,362 is needed to provide dedicated engineering support services to modernize elevators and escalators.

### **DETERMINATION OF SAFETY IMPACT**

The engineering support services for vertical transportation modernization will contribute to maintaining and improving the vertical transportation system in a State of Good Repair (SGR) as recommended by Metro's Transit Asset Management (TAM) Plan, which is essential to providing a safe and reliable service for riders who use the Metro transit system.

### **FINANCIAL IMPACT**

Funding for this contract will come from capital project 204805 - Elevator Modernization and Escalator Replacement. The Board approved a Life-of-Project (LOP) budget of \$126,692,000. For FY24, the amount of \$2,000,000 will be funded by the annual budget of project 204805, cost center 3960, account 50316 - professional and technical services.

Since this is a multi-year contract, the Project Manager will ensure that the balance of funds is budgeted in future fiscal years.

### **Impact to Budget**

The current source of funds for this action are Federal, State, and Local funding that is eligible for use on Capital and Operating Projects.

### **EQUITY PLATFORM**

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Elevators and escalators are located at Metro facilities throughout Los Angeles County, including in Equity Focus Communities. Modernizing vertical transportation systems adds the capability for maintaining the operation of elevators and escalators in a state of good repair. Also, the engineering services supported by this contract will provide modernization enhancements to expand accessibility and user-friendliness for all Metro transit passengers.

A Disadvantaged Business Enterprise (DBE) participation goal of 30% was established as part of the Request for Proposal (RFP). The recommended firm, Gannett Fleming, made a 30% DBE commitment.

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

Approval of this recommendation supports the following Metro Strategic Plan Goals:

1. Provide high-quality mobility options that enable people to spend less time traveling.
2. Deliver outstanding trip experiences for all users of the transportation system.

This contract will help maintain safety, service, and reliability standards in an effort to provide a world-class transportation system that enhances the quality of life for all who live, work, and play within Los Angeles County.

### **ALTERNATIVES CONSIDERED**

Staff could solicit competitive bids for each task order as it becomes required. This is not recommended as it would require extensive additional staff time to process each request, resulting in project delays due to the lead time required to complete each procurement cycle.

### **NEXT STEPS**

Upon Board approval, staff will execute Contract No. AE89754000 with Gannett Fleming, Inc. to provide engineering support services for vertical transportation system and related services.

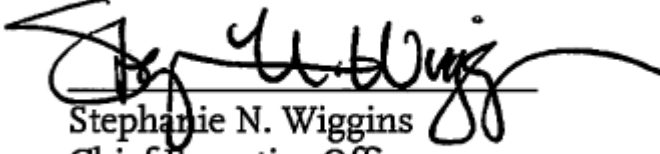
### **ATTACHMENTS**

Attachment A - Procurement Summary  
Attachment B - DEOD Summary

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