



Board Report

File #: 2022-0474, File Type: Contract

Agenda Number: 35.

OPERATIONS, SAFETY, AND CUSTOMER EXPERIENCE COMMITTEE SEPTEMBER 15, 2022

SUBJECT: METRO B (RED) LINE PROGRAM STATION STOP SYSTEM

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

CONSIDER:

- A. AUTHORIZING the Chief Executive Officer to award a firm-fixed-price contract, Contract No. OP 86946-2000, to B&C Transit to replace the existing Metro B (Red) Line Program Station Stop (PSS) system in the amount not-to-exceed \$1,281,500, inclusive of sales tax; and
- B. FINDING that there is only a single source of procurement for the item(s) set forth in Recommendation A above and that the purchase is for the sole purpose of duplicating or replacing supply, equipment, or material already in use.

(REQUIRES TWO-THIRDS VOTE OF THE FULL BOARD)

ISSUE

The existing Metro B (Red) Line Program Station Stop system has been in revenue service since 1992. The technology and equipment are obsolete, and replacement spare parts are no longer available. The existing system must be replaced with a compatible system with the existing trains and future Metro D (Purple) Line trains, be capable of providing the existing required functionality and be expandable for the Metro D Line Extension project segments 2 and 3.

BACKGROUND

Metro PLE Segment 1, currently under construction, has installed a PSS system at the station as part of the train control system that is compatible with the existing system. Given that the existing system on the Metro B (Red) Line is obsolete, Metro wants to replace this PSS system with the same one installed on the Metro D (Purple) Line.

DISCUSSION

Program Station Stop (PSS) is a means to automatically trigger a stopping profile program to stop the

train at a predetermined location on the platform for two, four, or six-car trains and automatically enable the proper vehicle doors to be opened when a train is stopped within the bounds of the platform area. Since components are no longer manufactured, the existing system can no longer be maintained and cannot be expanded for the Metro D (Purple) Line Extension (PLE).

This Board action is to approve a sole source contract to B&C Transit for the same proprietary PSS system as the one installed on the Metro D (Purple) Line. The scope of work is to design, manufacture, and furnish the PSS system equipment. A Request for Proposal (RFP) was issued in accordance with Metro's Acquisition Policy for sole source procurements. Due to the lack of subcontracting opportunities, SBE and DVBE goals were not recommended (refer to the DEOD Summary in Attachment B).

DETERMINATION OF SAFETY IMPACT

The approval of this item would replace a safety-critical system in accordance with appropriate preventative maintenance practices.

FINANCIAL IMPACT

For FY23, \$1,500,000 in existing and approved funding will be provided from capital project number 205122 - Metro Red Line Program Station Stop Replacement, cost center 3960 - Infrastructure Renewal Program, Account 50316 - Acquisition of Equipment. Since this is a multi-year contract, the Project Manager will ensure that the Life of Project funds is budgeted in future fiscal years.

Impact to Budget

The source of funds for this action includes Federal, State Transportation Development Act (TDA), Measure R, and Measure M. Using these funds is the best utilization of funds given the approved guidelines and provisions

EQUITY PLATFORM

This action's benefits are ensuring that transit infrastructure assets are maintained in a state of good repair, including assets that provide transit service for disadvantaged communities. Based on the 2019 Customer Survey, the B (Red) and D (Purple) heavy rail lines serve the following ridership:

- 27.7% below the poverty line
- 56.4% had no car available
- Rider Ethnicity: Latino 38.9%; Black 13.1%; White 25.8%; Asian/Pacific Islander 15.2%; Other 6.5%

In addition, areas served include Union Station to Downtown LA, Koreatown (Wilshire/Western), Hollywood, Universal City, North Hollywood, and parts of the San Fernando Valley, a majority of which serve people living in Equity Focus Communities. Replacement of the Program Station Stop system will ensure that the Red and Purple Lines will operate efficiently and safely. This allows Metro to deliver safe, affordable, dependable transit services connecting riders to jobs, housing, education, food services, family, and health care.

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.

Replacement of the Program Station Stop System will help maintain rail safety, service, and reliability standards 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

The Board may choose not to award Contract OP86946-2000. This is not recommended by Metro staff because without proceeding to replace the PSS system, any failure(s) will cause delays in service and unsafe conditions for passengers. Trains could overshoot the platform and doors could be opened on the wrong side. The PSS system only controls the accuracy of the automatic train stopping at the station platforms. Not performing or postponing these replacements is not recommended as these rail infrastructure components are safety-sensitive; and require proper maintenance for service reliability, passenger safety, and comfort.

NEXT STEPS

If this proposed project is approved, the project would ensure that the delivery of a quality PSS system at all Metro B (Red) and D (Purple) Lines would be completed in approximately 18 months. The Metro train control workforce will perform the installation in time for the opening of the Metro D (Purple) Line extension. Installation is planned to occur under the Track Allocation process, which will avoid service disruption.

ATTACHMENTS

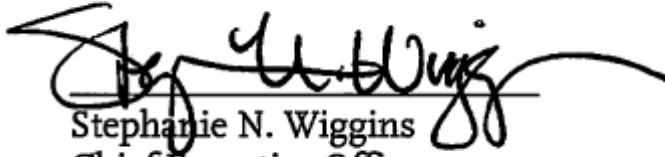
Attachment A - Procurement Summary

Attachment B - DEOD Summary

Prepared by: Aderemi Omotayo, DEO Maintenance, and Engineering (213-922-3243)
Errol Taylor, Deputy Chief Operations Officer, Infrastructure Maintenance and Engineering,
(213) 922-3227
Debra Avila, Deputy Chief Vendor/Contract Management (213) 418-3051
Lilia Montoya, Deputy Chief Operations Officer, Admin & Development, (213) 922-4061

Reviewed by:

Conan Cheung, Chief Operations Officer, (213) 418-3034



Stephanie N. Wiggins
Chief Executive Officer