



Board Report

File #: 2018-0531, **File Type:** Contract

Agenda Number: 31.

**CONSTRUCTION COMMITTEE
OCTOBER 18, 2018**

SUBJECT: RAIL OPERATIONS CENTER TRANSIT PASSENGER INFORMATION SYSTEM

ACTION: APPROVE CONTRACT AWARD

RECOMMENDATION

CONSIDER:

- A. AUTHORIZING the Chief Executive Officer to award Contract No. OP111922000 for the Crenshaw/LAX Rail Operations Center (ROC) Transit Passenger Information System (TPIS) to B&C Transit, Inc. for an amount of \$719,950 for the Base Work; an amount of \$378,774 for the Regional Connector Option 1; an amount of \$378,774 for the Westside Purple Line Extension (WPLE) Segment-1 Option 2; an amount of \$100,274 for the WPLE Segment-2 Option-3; and an amount of \$100,274 for the WPLE Segment-3 Option-4, for a total firm fixed price contract amount of \$1,678,046, subject to resolution of any properly submitted protest, if any; and
- B. APPROVING Contract Modification Authority in the amount of \$500,000 and authorize the CEO to execute individual Contract Modifications within the Board approved Contract Modification Authority for potential change orders and cost increase associated with the contract extended period.

ISSUE

The various public address and variable messaging systems introduced with the commissioning of past rail projects over the years are not consistent and are obsolete in terms of meeting the demands of Metro's expanding service network. One exception to this is the recent implementation of the Nucleus system implemented with Expo Phase II and Foothill Extension over two years ago that has proven quite successful coupled with its capacity for expansion and upgrade.

Approval of this action will expand on the current Nucleus system to provide public address and variable message sign capabilities for the new stations of Crenshaw\LAX, Regional Connector and WPLE Sections 1, 2 and 3 Projects.

BACKGROUND

The Measure R projects including Crenshaw/LAX, Regional Connector and WPLE Sections 1, 2 and 3 Projects requires expansion and upgrades to the existing ROC facility and systems that include the TPIS system. This work at central control is managed by Metro under the ROC Reconfiguration Project that is separate from the mainline work with the Projects' design/build contractor work as it involves coordination and integration with active operations and systems coupled with extensive support from contract and non-contract staff from several departments. In general, the ROC upgrades and expansions are completed respective to the central control needs of the sponsor projects for system integration and testing with the mainline systems before the new rail projects are commissioned into revenue service.

DISCUSSION

Operations and technical staff identified the Nucleus System as the desired standard to carry forward for the future rail projects for consistency and maintainability in lieu of the other three public address systems currently in use. Staff highly recommends the Nucleus system as it is user friendly with reliable performance and is backed by responsive vendor support when needed.

A proof of concept was successfully demonstrated at Willowbrook Station over the course of a year to show that the Nucleus system is capable of supporting Metro's public address and variable message signage needs in a unified platform.

DETERMINATION OF SAFETY IMPACT

The award of this contract will result in a positive impact on safety. The Nucleus TPIS system provides a vital interface between central control operations staff of Metro in sharing useful operational and safety information to the patrons at the rail stations.

FINANCIAL IMPACT

The base contract value of \$719,950 is included in the FY19 budget in Cost Center 8510, under Crenshaw/LAX Project 865512. Options 1 through 4 will be exercised in future fiscal years using respective project budget. Since this is a multi-year contract, the Chief Program Management Officer and the respective Project Managers will be responsible for budgeting the costs in future fiscal years.

Impact to Budget

The sources of the funds parallel the respective direct charged projects' funding and budgets. This procurement is within each projects' LOP budget.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

Recommendation supports Strategic Goal 2: Deliver outstanding trip experience for all users of the transportation system. Expansion of the existing Nucleus public address installation at ROC to accommodate the new stations for Crenshaw/LAX and the optional future projects of Regional Connector and WPLE Sections 1, 2 and 3 Projects will improve information shared with the patrons

with increased efficiency and quality that is built upon a scalable architecture allowing for expansion as the rail system grows. The expanded Nucleus system will provide automated, scheduled\prerecorded, and live message broadcasts with capability to manage voice and visual messages at the stations.

ALTERNATIVES CONSIDERED

The Board may choose not to authorize this action. However, it is not recommended as the alternative would require re-solicitation for any type of TPIS system available. This alternative would include other systems besides Nucleus, and will present training and maintenance difficulties that will negatively affect the overall safe, effective and efficient operations. Additionally, awarding to a new contractor will present significant schedule and cost risks to the Crenshaw/LAX Project.

NEXT STEPS

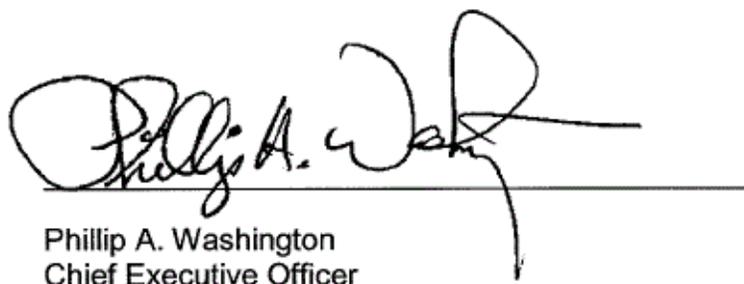
Upon approval by the Board, staff will execute Contract No. OP111922000 with B&C Transit, Inc. to ensure the delivery of the expanded Nucleus TPIS System to support the Crenshaw/LAX, Regional Connector and WPLE Sections 1, 2 and 3 Projects.

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - DEOD Summary

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