



November 13, 2025

To: Transit Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Radio Communications Equipment Replacement for OC ACCESS Fleet

Overview

Board of Directors' authorization is requested for the purchase of hardware and services to complete the radio communications equipment replacement on the OC ACCESS vehicle fleet.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute sole source Agreement No. C255013 between the Orange County Transportation Authority and Conduent Transport Solutions, Inc., in the amount of \$2,876,847, for the purchase of hardware and services necessary to replace 242 Integrated Vehicle Unit 2100s with the advanced Integrated Vehicle Unit 4000P for the Orange County Transportation Authority's paratransit fleet.

Discussion

The Orange County Transportation Authority (OCTA) is actively transitioning its transit operations technology from the obsolete Integrated Vehicle Unit (IVU) 2100s model to the more advanced IVU 4000P model, addressing the critical need for technological updates as the older IVU 2100s model have reached end-of-life and are no longer being produced. OCTA previously completed a full upgrade of its fixed-route fleet, transitioning from the IVU 3100 model to the more advanced IVU 4000 model.

The Board approved a contract in May 2024 to upgrade both the fixed-route fleet and the paratransit fleet with the new IVU 4000 model. However, due to various factors including the timing of receiving new paratransit vehicles, availability of certain components needed for the paratransit units, and the mark-up requested by the bus manufacturer, staff determined it was prudent to execute the

fixed-route portion of the contract and pursue a stand-alone procurement for the entire paratransit fleet.

The updated IVU 4000P model is provided by Conduent Transport Solutions, Inc. (Conduent). Widespread adoption is essential for ensuring compatibility and operational cohesion across the entire fleet, simplifying maintenance, and standardizing training processes for all bus operators who will now use consistent system interfaces on both fixed-route and paratransit fleets.

The Conduent IVU 4000P is the next-generation on-board computer used in OCTA buses to manage real-time communications between each vehicle and the central Computer-Aided Dispatch and Automatic Vehicle Location system. It provides faster processing, improved Global Positioning System accuracy, and enhanced audio and data communications that support real-time tracking, operator messaging, and passenger information. These improvements enhance service reliability, safety monitoring, and overall operational efficiency. The intuitive interface simplifies operator use and training, while the system's ability to integrate with other onboard technologies such as fare collection and passenger information displays creates a platform for future upgrades. Upgrading from the older IVU 2100 will improve system performance, reduce maintenance costs, and position OCTA to continue delivering reliable, efficient transit service.

Given the urgent need to replace the end-of-life IVU 2100s, OCTA is transitioning to the IVU 4000P to ensure continued operational efficiency and passenger satisfaction. By upgrading to the IVU 4000P model, OCTA aims to standardize the entire fleet on a unified technology platform, ensuring consistency across operations. This strategic upgrade not only meets current operational needs but also strengthens OCTA's position for future advancements. In doing so, OCTA anticipates long-term cost savings through reduced maintenance and repair demands, while enhancing reliability and service quality across all transit modes. Standardizing the fleet will also streamline training, support, and integration efforts, ultimately improving efficiency and maintaining OCTA's leadership in delivering dependable, forward-thinking public transportation solutions.

Procurement Approach

The procurement was handled in accordance with OCTA's Board of Directors-approved policies and procedures for a sole source procurement. Conduent is the exclusive owner of the IVU 4000P model. The firm has proprietary rights to its technology and is the sole entity able to market and sell its proprietary technology, as it does not have agreements that allow resale through other

vendors. Therefore, Conduent meets OCTA's criteria for a sole source procurement, and based on its technical ability and financial status, the firm is deemed responsible.

Conduent's proposal was reviewed by staff from the Contracts Administration and Materials Management (CMM) and Information Systems departments to ensure compliance with contract terms, as well as the technical requirements.

In accordance with OCTA's sole source procurement procedures, a sole source over \$50,000 requires OCTA's Internal Audit Department (Internal Audit) to conduct a price review of the vendor's proposed pricing. As is common with these types of vendors, Conduent did not provide a detailed cost breakdown that would be required to perform a price review. Therefore, CMM performed a price analysis using available information, such as past contracts with Conduent, to analyze the reasonableness of the quoted price. Since Conduent would not provide cost documentation to support proposed labor charges and overhead costs sufficient to allow an Internal Audit price review, CMM staff compared the proposed pricing to a previous contract, Agreement No. C-4-2235, between OCTA and Conduent for similar services and found the proposed price per-vehicle for the paratransit upgrade to be lower as shown below. In addition, the quoted price is lower than the OCTA project manager's independent cost estimate. Therefore, the quoted price is deemed fair and reasonable.

Project	Quoted Pricing	Comparable Contract (C-4-2235)
Paratransit	\$11,888/vehicle	\$21,552/vehicle

Fiscal Impact

The project was approved in OCTA's Fiscal Year 2025-26 Budget, Finance and Administration Division/Information Systems Department, Account No. 1288-9027-D1111-3N3 and is funded through local funds.

Summary

Staff recommends the Board of Directors authorize the Chief Executive Officer to negotiate and execute sole source Agreement No. C255013 between the Orange County Transportation Authority and Conduent Transport Solutions, Inc., in the amount of \$2,876,847, for a one-year term, for the purchase of hardware and services necessary to replace the Integrated Vehicle Unit 2100s with the Integrated Vehicle Unit 4000P for Orange County Transportation Authority's paratransit fleet.

Attachment

None.

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