



October 9, 2025

To: Transit Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Contract Change Orders for Construction of the OC Streetcar Project

Overview

On September 24, 2018, the Orange County Transportation Authority Board of Directors authorized Agreement No. C-7-1904 with Walsh Construction Company II, LLC, for construction of the OC Streetcar Project. Contract change orders are required for additional compensation for maintenance and storage facility access control system installation support, maintenance and storage facility service inspection pit safety enhancements, additional work to implement an accelerated schedule, public conveyance and safety enhancements, overhead contact system modifications, modifications to miscellaneous maintenance and storage facility systems, maintenance and storage facility mezzanine fall protection modifications, overhead contact system adjustments, and train signal control modifications.

Recommendations

- A. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 89.2 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$350,000, for maintenance and storage facility access control system installation support.
- B. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 248 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$350,000, for maintenance and storage facility service and inspection pit safety enhancements.
- C. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 251.1 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$1,100,000, for additional work to implement an accelerated schedule.

- D. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 252.1 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$250,000, for public conveyance and safety enhancements.
- E. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 255.1 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$350,000, for overhead contact system modifications.
- F. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 266.1 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$250,000, for modifications to miscellaneous maintenance and storage facility systems.
- G. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 277 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$425,000, for maintenance and storage facility mezzanine fall protection modifications.
- H. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 291.1 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$160,000, for overhead contact system span wire to contact wire changes.
- I. Authorize the Chief Executive Officer to negotiate and execute Contract Change Order No. 301 to Agreement No. C-7-1904 with Walsh Construction Company II, LLC, in the amount of \$1,000,000, for train signal control modifications.

Discussion

On September 24, 2018, the Orange County Transportation Authority (OCTA) Board of Directors (Board) awarded the contract to construct the OC Streetcar Project (Project) to Walsh Construction Company II, LLC (Walsh). The Notice to Proceed with construction was issued to Walsh on March 4, 2019. The construction of the Project is nearing 95 percent complete. The project alignment is referenced in Attachment A.

Staff is requesting Board authorization of the following contract change orders (CCO).

Maintenance and Storage Facility (MSF) Access Control System Support

Access cards and readers are required to enhance security at the MSF and adjacent areas. Initially, the contractor was to install wiring only, with OCTA procuring and installing the equipment. To ensure system connectivity, staff directed the contractor to procure and install the full access control system. In January 2022, the Board approved CCO No. 89, in the amount of \$2,200,000, to install the full access control system. In June 2024, the Board approved supplemental CCO No. 89.1, in the amount of \$750,000, for higher than assumed labor costs for the installation of the access control system. Due to the complexity of the system, the level of effort for programming, system integration, and commissioning were beyond the original estimate. CCO No. 89.2 is needed, in the amount of \$350,000, to cover additional labor to support the programming, integration, and commissioning of the access control system.

MSF Service and Inspection Pit Safety Enhancements

During construction, it was determined that modifications to the MSF service and inspection pit access points were needed to enhance worker safety. Enhancements include additional stair enclosures, gates, and guardrails at the work platforms, as well as relocation of existing gates and related items to accommodate these changes. These enhancements were not anticipated in the original design. CCO No. 248, in the amount of \$350,000, is needed to implement these safety enhancements at the MSF.

Additional Work to Implement Accelerated Schedule

In September 2024, the Board approved CCO No. 251 for partial settlement of the construction contractor's claims and to implement an accelerated schedule targeting opening of the streetcar service to the public in summer 2026. As part of CCO No. 251, up to \$4,000,000 was authorized for initial acceleration costs, including additional equipment, crews, resources, and overtime to advance critical work. The initial authorized costs are nearly expended and CCO No. 251.1, in the amount of \$1,100,000, is now needed for additional compensation similar to those already encountered to implement the accelerated schedule to allow streetcar service to open to the public as soon as possible.

Public Conveyance and Safety Enhancements

OCTA is coordinating completion of work with the City of Santa Ana (City) to inspect and transfer project improvements for City maintenance. Inspections of final work identified additional safety enhancements, such as streetlight

replacements and handrails and pavement markings that ensure conformance with the existing field conditions that were difficult to anticipate in the original scope of work. CCO No. 252, in the amount of \$150,000, was issued to cover initial costs and is now fully expended. As completion of work continues and final inspections are conducted, additional work is anticipated to conform with existing conditions for public safety. CCO No. 252.1, in the amount of \$250,000, is needed to fund the remaining work necessary for final project completion and turnover of improvements to the City.

Overhead Contact System (OCS) Modifications

Various OCS design modifications were required to address minimum clearance requirements discovered during installation. The modifications include changes to OCS wire supports, OCS wire adjustments, and rerouting of OCS wiring. CCO No. 255, in the amount of \$200,000, was issued to cover these modifications for Segment 1 and has now been fully expended. To complete anticipated OCS modifications in Segments 2 to 5, similar to those already encountered, CCO No. 255.1, in the amount of \$350,000, is required to reduce any impacts to the project schedule.

Modifications to Miscellaneous MSF Systems

As construction progresses towards final completion and occupancy of the MSF, miscellaneous modifications not anticipated in the original design to various mechanical, electrical, and plumbing systems are required. The modifications include changes to the fire alarm, gas service, compressor feed, and other various systems. CCO No. 266, in the amount of \$200,000, was issued to cover these modifications and has now been fully expended. CCO No. 266.1, in the amount of \$250,000, is required to compensate the contractor for modifications to miscellaneous MSF systems.

MSF Mezzanine Fall Protection Modifications

Modifications on the mezzanine level of the MSF are required to improve fall protection safety. The changes were not anticipated in the original design and include closing a gap between the mezzanine and the the top of the train with metal plates. CCO No. 277, in the amount of \$425,000, is needed to improve fall protection safety on the MSF mezzanine.

OCS Span Wire to Contact Wire Changes

Modifications were required to the OCS system associated with span wire to contact wire adjustments and modifications at various locations to meet

minimum clearance requirements. CCO No. 291, in the amount of \$205,000, was issued to cover these modifications for Segment 1 and has now been fully expended. To complete the anticipated OCS modifications in Segments 2 to 5, similar to those already encountered, CCO No. 291.1, in the amount of \$160,000, is needed.

Train Signal Control Modifications

The train signal control system coordinates streetcar movements with City traffic signals to ensure safe operations. Modifications to the system's hardware and software are needed to ensure that it functions safely and properly. The modifications were not included in the original design. The hardware modifications include adjustments and additional detector loops and signal equipment at multiple locations throughout the Project. Software modifications include costs to install and configure the system. CCO No. 301 is required, in the amount of \$1,000,000, for train signal control modifications.

Procurement Approach

The initial procurement was handled in accordance with OCTA's Board-approved procedures for public works projects. These procedures, which conform to both federal and state requirements, require that contracts are awarded to the lowest responsive, responsible bidder after a sealed bidding process. On September 24, 2018, the Board authorized Agreement No. C-7-1904 with Walsh, in the amount of \$220,538,649, for construction of the Project.

Proposed CCO nos. 89.2, 248, 251.1, 252.1, 255.1, 266.1, 277, 291.1, and 301, in the amount of \$4,235,000, will increase the cumulative value of the contract to \$355,919,592, as shown in Attachment B. Board approval is required for CCO nos. 89.2, 248, 251.1, 252.1, 255.1, 266.1, 277, 291.1, and 301 pursuant to the State of California Public Contracting Code Section 20142. The CCOs will be issued with a reservation of rights to advance the Project, pending resolution of disputes between OCTA and Walsh. The statements in this report are made in the context of, and subject to, OCTA's reservation of rights.

Fiscal Impact

Funding for these changes was included in the revised OC Streetcar Federal Transit Administration Full Funding Grant Agreement approved by the Board on February 24, 2025, and is included in OCTA's Fiscal Year 2025-26 Budget, Capital Programs Division, account nos. 0051-TS010-9017-Z32 (CCO nos. 89.2, 248, 266.1, 277), 0051-TS010-9017-Z55 (CCO No. 251.1), 0051-TS010-9017-Z42 (CCO No. 252.1), 0051-TS010-9017-Z46

(CCO No. 252.1), 0051-TS010-9017-Z54 (CCO nos. 255.1, 291.1), and 0051-TS010-9017-Z51 (CCO No. 301), is funded with Federal Transit Administration Section 5309 New Starts grant funds and local Measure M2 funds. The cost of the work associated with the CCOs noted above will be funded by, and are included in, the project budget that was previously approved by the Board on February 24, 2025.

Summary

Staff recommends the Board authorize the Chief Executive Officer to negotiate and execute CCO No. 89.2, in the amount of \$350,000, for MSF access control system installation support; CCO No. 248, in the amount of \$350,000, for MSF service and inspection pit safety enhancements; CCO No. 251.1, in the amount of \$1,100,000, for additional work to implement an accelerated schedule; CCO No. 252.1, in the amount of \$250,000, for public conveyance and safety enhancements; CCO No. 255.1, in the amount of \$350,000, for OCS modifications; CCO No. 266.1, in the amount of \$250,000, for modifications to miscellaneous MSF systems; CCO No. 277, in the amount of \$425,000, for MSF mezzanine fall protection modifications; CCO No. 291.1, in the amount of \$160,000, for OCS span wire to contact wire changes; and CCO No. 301, in the amount of \$1,000,000, for train signal control modifications to Agreement No. C-7-1904 between OCTA and Walsh for the construction of the Project.

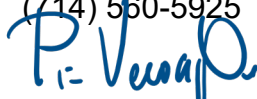
Attachments

- A. Project Alignment
- B. Walsh Construction Company II, LLC, Agreement No. C-7-1904, Contract Change Order (CCO) Log

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