



Executive Director's
Report to the
Board of Harbor Commissioners

DATE: SEPTEMBER 26, 2017

FROM: CONSTRUCTION

**SUBJECT: RESOLUTION NO. _____ - CHANGE ORDER NO. 2
DELTA 1 CHANGES
CONTRACTOR: KDC, INC. DBA DYNALECTRIC
BERTHS 91-93 ALTERNATIVE MARITIME POWER (AMP)
UPGRADE AND RETROFIT
SPECIFICATION NO. 2775 – CONTRACT NO. 2302**

SUMMARY:

Staff requests Change Order No. 2 (Change Order) to Contract No. 2302, in the amount of \$600,000, be approved to authorize KDC, Inc. dba Dynalectric (Dynalectric) to install electrical conduit, wiring, and differential relays per Delta 1 Changes for the Berths 91-93 Alternative Maritime Power (AMP) Upgrade and Retrofit Project (Project). The additional electrical conduit, wiring, and differential relays will provide protection for the transformers installed under this Contract.

The Contract was approved by the Board of Harbor Commissioners on August 18, 2016 in the amount of \$10,703,000 plus a 10% contingency in the amount of \$1,070,300, for a total authorization of \$11,773,300. Therefore, there is adequate contingency funding for the \$600,000 under this Change Order. The Harbor Department is financially responsible for expenses under this Contract.

RECOMMENDATION:

It is recommended that the Board of Harbor Commissioners (Board):

1. Find that the proposed action is administratively and categorically exempt from the requirements of the California Environmental Quality Act (CEQA) under Article II, Section 2(f), and Article III, Class 1(2), of the Los Angeles City CEQA Guidelines as determined by the Director of Environmental Management;
2. Approve and authorize the Executive Director to execute Change Order No. 2 for a not-to-exceed amount of \$600,000; and
3. Adopt Resolution No. _____.

**SUBJECT: BERTHS 91-93 ALTERNATIVE MARITIME POWER (AMP) UPGRADE
AND RETROFIT CHANGE ORDER NO. 2**

DISCUSSION:

Background/Context - Change Order No. 2 (Transmittal 2) will authorize the work necessary to furnish and install electrical conduit, wiring, and differential relays as depicted on the design drawings as Delta 1 Changes for the Project. The additional electrical conduit, wiring, and differential relays will provide protection for the transformers installed under this Contract.

During the submittal review of the electrical switchgear and transformers, it was determined that additional conduit and differential relays were needed to meet industry standards for protection of the oil filled auto tap changing transformers. These transformers are the first of its kind to be installed in the Port of Los Angeles and the need for the differential relays was not realized until after the project was bid. While the transformers will perform as designed without the differential relays, they will be vulnerable to damage or complete failure in the event of short circuit faults. The transformers are expensive and would require 16 months to replace should this type of damage occur. The differential relays will cut power to the transformers before any damage could take place. The added cost of Delta 1 Changes is estimated at \$600,000.

Previous Board Action – On August 18, 2016, the Board approved Resolution No. 16-7987 for the Award of Contract to Dynalectric in the amount of \$10,703,000.

Berths 91-93 Alternative Maritime Power (AMP) Upgrade and Retrofit - This Project is part of the overall AMP program throughout the Port of Los Angeles. California state law requires at least half of berthed ships to shut down their diesel engines and to plug into shore-side electric power. The Berths 91-93 cruise terminal currently has AMP capabilities, and this project will upgrade the existing AMP system to accommodate the voltage variances which differ from ship to ship. The scope of this Project consists of installing switchgears, transformers, AMP boxes, and under-wharf and underground conduits with high voltage cables and low voltage wires. This Project also includes construction of related cast-in-place concrete AMP vaults, concrete pads, fencing, and guard posts, and system testing and commissioning. (Transmittal 1)

Construction of the project started on November 14, 2016 and is scheduled to be completed in June 2018.

ENVIRONMENTAL ASSESSMENT:

The proposed action is the approval of a Change Order with Dynalectric to install AMP infrastructure at Berths 91-93. Approval of the Change Order is an administrative activity, and the installation of AMP infrastructure involves minor alterations to an existing facility including electrical power with negligible or no expansion of use,

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therefore the Director of Environmental Management has determined that the proposed action is exempt from the requirements of the CEQA under Article II, Section 2(f), and Article III, Class 1(2), of the City of Los Angeles CEQA Guidelines.

FINANCIAL IMPACT:

The proposed \$600,000 Change Order is within the \$1,070,300 contingency amount previously authorized by the Board and therefore, no additional budget authority is being requested. Funds for this change order are available in Account No. 54510, Center No. 1186, and Program No. 636. To date, \$20,000 has been committed under this contingency amount.

CITY ATTORNEY:

The Office of the City Attorney reviewed and approved Specification No. 2775 as to form and legality on March 9, 2016.


TRANSMITTALS:

1. Location Key Plan
2. Change Order No. 2



SHAUN SHAHRESTANI
Chief Harbor Engineer
Construction Division

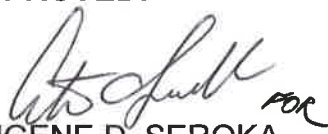
FIS Approval:  (initials)

CA Approval:  (initials)



ANTONIO V. GIOIELLO, P.E.
Deputy Executive Director

APPROVED:



EUGENE D. SEROKA
Executive Director