

Office Of Inspector General Construction Change Order Spot Check Report

Presented By

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Inspector General

April 2023

Construction Committee

Los Angeles County Metropolitan Transportation Authority



Spot Checks 1 & 2

1 - Regional Connector - 10-Inch Sanitary Sewer Relocation at 1st Street and Alameda St. and Upsize Existing 8-Inch Sewer to 12-Inch Along 1st Street

Recommendation:

Award: **\$3,572,417**

The OIG recommends to Work with the City where construction is going to occur at the earliest possible time to determine their requirements so that those requirements can be negotiated, included in the bidding documents when released with correct information and requirements, and if the requirement change is caused by Metro's increased utilization of the utility or if it amounts to a betterment for which a sharing/contribution should be made.

2 - Purple Line Extension Sect. 1 - Fully Guarded Double Crossovers

Recommendation:

Award: **\$1,326,004**

The OIG recommends consulting with Operations on the desired headway speeds at the design phase so that these requirements can be added at the earliest possible times. This may be added to the Construction Departments Lessons Learned data base to have fully guarded double crossover rail to keep the minimum headway and protect rail cars to avoid possible derailment in the future in the initial design and specifications and avoid future change orders.

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Spot Check 3 & 4

3 - Purple Line Extension Sect. 2 - Project and Construction Site Delay Impacts

No Recommendation

Award: **\$5,410,856**

4 - Purple Line Extension Sect. 3 - UCLA Station additional LADWP temporary power conduits

Recommendations:

Award: **\$2,587,000**

1. For the Project to submit to the Lessons Learned data base, run by the Quality Assurance group, the events regarding coordination with LADWP (or another third-party utility) which required the increase in size of conduits and forced relocation of the ductbanks. By submitting information of these changes to the Lessons Learned data base, future projects will be warned that there might be an update to the electrical requirements applicable to their project.
2. The Metro Rail Design Criteria (MRDC) should get periodic updates to include new standards by agencies that review and approve Metro construction so that when future RFPs are issued they comply with those mandatory standards. This will not foreclose Metro seeking a waiver or amendment in the future from that entity on an individual project that might reduce the cost and that will not require a costly change order. Additionally, the MRDC should be updated to encourage early coordination with the third-party utilities to obtain their written agreement to the specifications for a project prior to the RFP issuance.

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Spot Check Schedule Comparison

File #
2023-0111

Schedule Comparison: New Delegated Authority process vs. former Board Approval

PROJECT	Title of Change Order	Time Saved Executed date to Board Mtg.	NEW Delegated Process final SOW to Executed date	Former Board Approval Process
REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT	10-Inch Sewer Relocation at 1st Street and Alameda St. and Upsize Existing 8-Inch Sewer to 12-Inch Along 1st Street - Construction	18	13	31
WESTSIDE PURPLE LINE EXT. SECT 1	Fully Guarded Double Crossovers	34	11	45
WESTSIDE PURPLE LINE EXT. SECT 2	Project and Construction Site Delay Impacts	N/A	N/A	N/A
WESTSIDE PURPLE LINE EXT. SECT 3	UCLA Station - Additional LADWP Temporary Power Conduits	7	51	58

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