



Metro

Board Report

Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

File #: 2023-0176, **File Type:** Informational Report

Agenda Number: 27.

CONSTRUCTION COMMITTEE APRIL 20, 2023

SUBJECT: PROGRAM MANAGEMENT QUARTERLY CHANGE REPORT

ACTION: RECEIVE AND FILE

RECOMMENDATION

RECEIVE AND FILE status on Program Management Quarterly Change Report.

ISSUE

This board report is a receive and file that provides program management quarterly changes from capital projects greater than \$500,000. Greater detail is provided in Attachment A - Quarterly Change Orders Log for Reporting Period of December 1, 2022 - February 28, 2023.

BACKGROUND

In January 2017, the MTA Board approved a one-year pilot to delegate the CEO the authority to execute project agreements up to the Life-of-Project (LOP) budget for the Crenshaw/LAX, Regional Connector, and Purple Line Extension Section 1 & 2 projects. The purpose of the pilot was to save time and minimize disruption due to the typical contract change administration approval process.

The pilot program was effective, generated cost savings, and avoided costly construction delays. At the January 26, 2018, Board meeting, the Board approved the continuation and expansion of the delegation of authority within Life of Project (LOP) budget management on all Transit and Regional Rail Capital Projects. Staff was directed to provide quarterly reports to the Board on change orders and modifications above \$500,000. CEO Board delegated authority of changes is very beneficial to expedite contract changes and avoid costly construction delays. Since the program's inception, up to 2,285 concurrent workdays or concurrent 8.9 years, aggregated across the program, have been saved. (For more information, refer to Attachment B entitled OIG Construction Change Order Spot Checks CEO Delegated Authority Total Delays Avoided).

DISCUSSION

The change activities for the reporting period between December 1, 2022, and February 28, 2023, are included in Attachment A.

FINANCIAL IMPACT

The changes in this report are included in the approved life-of-project budget for each project.

EQUITY PLATFORM

The cost and time savings from expanding delegation of authority within Life of Project budget management has allowed Metro to more efficiently implement mobility options, benefiting transit riders and other marginalized communities.

| | |
|----------------------------|---|
| Crenshaw/LAX | Equity - 8 of 8 stations (100%) are within or adjacent to Equity Focus Communities |
| Regional Connector | Equity - 3 of 3 stations (100%) are within or adjacent to Equity Focus Communities |
| Westside Purple Line Ext 1 | Equity - This project is not located within or adjacent to Equity Focus Communities |
| Westside Purple Line Ext 2 | Equity - This project is not located within or adjacent to Equity Focus Communities |
| Westside Purple Line Ext 3 | Equity - 1 of 2 stations (50%) are within or adjacent to Equity Focus Communities |
| Division 20 | Equity - 100% of the project is within or adjacent to Equity Focus Communities |
| Airport Metro Connector | Equity - 100% of the project is within or adjacent to Equity Focus Communities |
| Soundwall Package 11 | Equity - 25% of the project is within or adjacent to Equity Focus Communities |
| Rail to Rail | Equity - 100% of the project is within or adjacent to Equity Focus Communities |

Note: This analysis was conducted with the 2022 EFC map.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

The recommendation supports strategic plan goal # 5 to provide responsive, accountable, and trustworthy governance within the Metro organization by keeping the Board informed of the Projects' change orders and modifications via submitting the Change Order log every quarter.

NEXT STEPS

The next Change Order Log will cover the period of March 1, 2023, through May 31, 2023, and will be presented to the July 2023 Construction Committee.

ATTACHMENTS

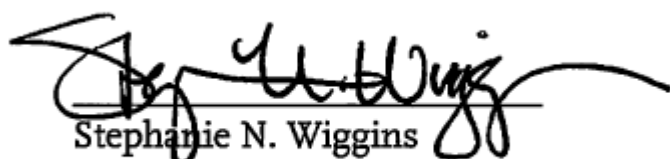
Attachment A - Quarterly Change Orders Log for Reporting Period of December 1, 2022 - February 28, 2023.

Attachment B - OIG Construction Change Order Spot Checks CEO Delegated Authority Delays Avoided (April 2023)

- **Crenshaw/LAX** - Sameh Ghaly, Chief Program Management Officer (Interim), (213) 418-3369
- **Regional Connector** - Mathew Antonelli, Deputy Chief Program Management Officer, (213) 893-7114
- **Westside Purple Line Ext 1** - James Cohen, Sr. EO Projects Eng. (Interim), (323) 900-2114
- **Westside Purple Line Ext 2** - Michael McKenna, Sr. EO Projects Eng. (Interim), (424) 551-4447
- **Westside Purple Line Ext 3** - Kimberly Ong, Sr. EO Projects Eng. (Interim), (424) 551-4501
- **Division 20 Portal** - Albert Soliz, Deputy EO Project Mgmt., (213) 922-7917
- **Airport Metro Connector** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **Soundwall Package 11** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **Rail to Rail** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **Report** - Julie Owen, Sr. EO Program Control, (213) 922-7313

Reviewed by:

Sameh Ghaly, Chief Program Management Officer (interim), (213) 418-3369



Stephanie N. Wiggins
Chief Executive Officer

CRENSHAW/LAX TRANSIT PROJECT

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - Contract No. C0988 - WALSH SHEA CORRIDOR CONSTRUCTORS | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS - Contract MC069 - STANTEC CONSULTING, INC. | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| | | | |
|--|--|-------------|-------------------------------|
| A) DESIGN BUILD CONTRACT - Contract No. C0988 - WALSH SHEA CORRIDOR CONSTRUCTORS | | | |
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| | None | | |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACT - Contract MC069 - STANTEC CONSULTING, INC. | | | |
| MC069-CWO16-MOD-0024 | CWO 16 FY23/FY24 CMSS Support: Additional funds are needed to afford the cost of CMSS through June 30, 2023. Support from consultant staff is necessary for the claims and review of the remaining work under contract C0988 (Walsh Shea Corridor Constructors). | 5 | Between \$1M and \$5M |

CRENSHAW/LAX CLOSE OUT PROJECT

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - Contract No. C1217 - GRIFFITH COMPANY | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS - Contract MC069 - STANTEC CONSULTING, INC. | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| | | | |
|---|--|-------------|-----------------------------------|
| A) DESIGN BUILD CONTRACT - Contract No. C1217 - GRIFFITH COMPANY | | | |
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| | None | | |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| E0117-MOD-00057 | Vendor Mott MacDonald: FY23/24 Funding and Extend Period of Performance for C/LAX Catch All Support – Budget award for the design support services related to the scope of the K-Line Paving and Improvement Project. This contract is part of the catch-all portion Crenshaw/LAX to complete work that was deleted from the mainline project. | 5 | Between \$500K and less than \$1M |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS - Contract MC069 - STANTEC CONSULTING, INC. | | | |
| | None | | |

REGIONAL CONNECTOR TRANSIT PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023)

Change Types:
1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety

A. DESIGN BUILD CONTRACT - CONTRACT NO. C0980 - REGIONAL CONNECTOR CONSTRUCTORS

| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
|---------------|--|-------------|-----------------|---------------|------------------------------|-----------------|
| C0980-MOD-245 | 10" Sanitary Sewer Relocation at 1st Street and Alameda Street & Upsize of existing 8" Sewer to 12" Along 1st Street: Relocate 10 " sanitary sewer due to direct conflict with the proposed underground station box. Additionally, the existing 8" sanitary sewer on the north side of 1st Street between Hewitt Street and Vignes Street did not have sufficient capacity to accommodate changes and anticipated flows resulting from the Project; therefore, an agreement was reached with the City of LA to relocate and up-size the sewer lines to avoid conflicts. | 5 | NA | 12/16/2022 | \$5,040,463 | \$3,572,417 |

B. PROFESSIONAL SERVICES CONTRACTS

| | | | | | | |
|--|------|--|--|--|--|--|
| | None | | | | | |
|--|------|--|--|--|--|--|

C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

| | | | | | | |
|--|------|--|--|--|--|--|
| | None | | | | | |
|--|------|--|--|--|--|--|

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A. DESIGN BUILD CONTRACT - CONTRACT NO. C0980 - REGIONAL CONNECTOR CONSTRUCTORS | | | |
|---|--|-------------|-------------------------------|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| C0980-CN-00317 | Add 'I Roadway Pavement Restorations - Construction: Construct additional asphalt grind & overlay and concrete pavements along the project corridor. | 5 | Between \$1M and \$5M |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | |
| | None | | |

WESTSIDE PURPLE LINE EXTENTION SECTION 1

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023)

Change Types:
1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety

A. DESIGN BUILD CONTRACT - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE

| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
|--------------|--|-------------|-----------------|---------------|------------------------------|-----------------|
| CO-22 | Fully Guarded Double Crossover Procurement: Preliminary (pre-contractor bid) design and the basis for the C1045 Contract was to include #10 track turnouts at its two crossover points. Metro decided to fully guard the crossovers for the safety of the car/wheel movement at higher speeds. This change provides compensation for the additional materials that are not part of a standard guarded crossover. | 5 | 1/4/2023 | 1/3/2023 | \$1,551,424 | \$1,326,004 |
| CO-23 | Procurement of CN 113.3 Materials: This change is to avoid potential safety issues related to failures of track circuits due to different equipment manufactures when placed into service. Issuance of this change order is critical to achieve the March 20, 2023 start date of the 2-15 day single tracking efforts associated with the CN 113.3 scope work while negotiations are ongoing. | 7 | 1/23/2023 | 1/23/2023 | N/A | \$500,000 |
| CO-24 | Traction Power System second Heat Run Test & Transformer Design Tests: This change addresses Metro Engineering's requirement to perform tests of differing utility power input voltages, specifically 34.5kV and 16.34kV, which are not included in the base contract work. | 5 | 2/27/2023 | 2/23/2023 | \$806,260 | \$697,312 |
| CO-9.1 | Substantial Completion Milestone Change due to Wilshire/San Vicente Anomaly Impact: Metro has completed its initial overall assessment of the submitted Wilshire/San Vicente Anomaly Time Impact Analyses (TIAs). This Change Order is issued to extend the contract completion milestones by 231 calendar days due to an Excusable Delay. Of the 231 Excusable calendar days, Metro has determined 148 calendar days are compensable. | 3 | 2/10/2023 | 2/8/2023 | N/A | \$10,883,019 |

A. DESIGN BUILD CONTRACT - CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP

| | | | | | | |
|--|------|--|--|--|--|--|
| | None | | | | | |
|--|------|--|--|--|--|--|

B. PROFESSIONAL SERVICES CONTRACTS

| | | | | | | |
|--|------|--|--|--|--|--|
| | None | | | | | |
|--|------|--|--|--|--|--|

C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

| | | | | | | |
|--|------|--|--|--|--|--|
| | None | | | | | |
|--|------|--|--|--|--|--|

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A) DESIGN BUILD CONTRACT - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE | | | |
|---|--|-------------|-----------------------------------|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| CN-00237 | <u>Rail Surface Grinding per Revised Wheel Wear Profile</u> : This change compensates the contractor for Metro recommended rail surface modifications that were not part of the original C1045 contract. | 5 | Between \$500K and less than \$1M |
| A) CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP | | | |
| | None | | |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | |
| | None | | |

WESTSIDE PURPLE LINE EXTENTION SECTION 2

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1120 | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| MOD-00168 | <u>Addition of Waterline Thrust Restraints at Constellation Century City Station (CCCS)</u> - (Claim 052): This change compensates the C1120 Contractor for the design and installation of additional thrust restraints for the waterline suspended above the CCCS main station box excavation. This change serves as final and complete compensation for Claim 52. | 5 | 1/24/2023 | 2/2/2023 | \$717,460.00 | \$717,460.00 |
| CO-00034.3 | <u>CCCS Storm Drain and Sanitary Sewer Relocation (Construction of MOD 70)</u> : This Change Order (CO) Revision increases the Not-to-Exceed (NTE) value by \$4,000,000 from \$18,000,000 previously authorized, to a total of NTE of \$22,000,000. It covers the construction of the sanitary sewer and storm drain relocation resulting from the West Ancillary and OPE reconfiguration described in CN-00047.1. The Change Order revision was necessary to keep the Work moving while negotiations for a bilateral Mod continue. | 5 | N/A | 12/22/2022 | N/A | \$22,000,000.00 |
| CO-00039.1 | <u>CCCS Entrance Revisions due to JMB - SOE Construction</u> : This Change Order (CO) Revision increases the Not-to-Exceed (NTE) value by \$125,000 from \$375,0000 previously authorized, to a total of NTE of \$500,000. This change is to install the Support of Excavation at the Century City Constellation Station Entrance. Construction consist of procurement, fabrication, delivery, and installation of additional structural steel depicted in Submittal 1729 CCS Entrance SOE (CO-00029, CN-00110) 100% APDU 2.9. This work is limited to that described as Stage 6 in the Conceptual Construction Sequence, Drawing STCE-045. The Change Order revision was necessary to keep the Work moving while negotiations for a bilateral Mod continue. | 2 | N/A | 12/14/2022 | N/A | \$500,000.00 |
| CO-00054 | <u>CCCS Excavation Impacts Due to Webcor Sewer Lateral (RFC00138)</u> : This Unilateral Change Order No. C1120-CO-00054 cancels and supersedes Change Notice C1120-CN-00167. This change is to compensate the C1120 Contractor for impacts to the CCCS excavation due to work around the unforeseen sewer lateral. The impact period is between May 24, 2021, and September 15, 2021. | 2 | N/A | 12/8/2022 | \$3,044,249.00 | \$856,542.00 |
| CO-00055.1 | <u>MOA Impacts to Work Activities during 2022 Holiday Moratorium</u> : This Change Order (CO) revision increases the Not-to-Exceed (NTE) value by \$312,500 from \$425,000 previously authorized to a revised total NTE of \$737,500. This change is to compensate the C1120 contractor for impacts to the Wilshire/Rodeo station construction activities from work restrictions imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) from November 24, 2022 to January 1, 2023. The Change Order revision was necessary to keep the Work moving while negotiations for a bilateral Mod continue. | 2 | N/A | 1/10/2023 | N/A | \$737,500.00 |
| CO-00056 | <u>CCCS Impacts to excavation and decking due to JMB laydown (RFC-0114.1)</u> : This Unilateral Change Order No. C1120-CO-00056 cancels and supersedes Change Notice No. C1120-CN-00183 in its entirety. This Change compensates the C1120 Contractor for construction impacts to station excavation and decking east of Avenue of the Stars due to the revision in configuration of Parcel ID W-3801, which required the Contractor move its staging area to within Constellation Boulevard, resulting in impacts to the associated SOE work. | 5 | N/A | 12/21/2022 | \$860,715.00 | \$614,925.00 |
| CO-00058 | <u>Project and Construction Site Delay Impacts (RFC-00100.2)</u> : This Unilateral Change Order No. C1120-CO-00058 cancels and supersedes Change Notice No. C1120-CN-00215 in its entirety. RFC 100.2 Project & Construction Site Delay Impacts was submitted by the Contractor to show alleged delays at the three main work areas, namely the Tunnels, Constellation Century City Station and Wilshire/Rodeo Station between the period 4/26/2017 and 1/22/2021. This Change Order compensates the C1120 Contractor for site-specific delay costs incurred for construction at these work areas as described in correspondence related to RFC 100.2. Costs are calculated for days described in Metro Unifier Record Number 01085 dated December 22, 2022, with rates applied from Schedule of Quantities and Prices Form Schedule D - Delay Compensation. | 5 | N/A | 2/8/2023 | \$71,625,375.00 | \$5,410,856.00 |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| MOD-00083 | <u>Continuation of Engineering Support Services During Construction for WPLE Section 2 Project</u> : The overall final design progress for the C1120 Contract is at 99% complete and construction activities are ongoing. This modification was necessary to continue engineering services during construction by the C1120 design-build contractor. | 5 | N/A | 2/28/2023 | \$10,953,072.00 | \$10,907,190.00 |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A) DESIGN BUILD CONTRACT - CONTRACT NO. C1120 | | | |
|---|-------------|-------------|-------------------------------|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| | None | | |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | |
| | None | | |

WESTSIDE PURPLE LINE EXTENSION SECTION 3

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|---|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1151 (FKTP) | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1152 (TPOG) | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| C1152-CO-00090.1 | UCLA Station - Additional LADWP Temporary Power Conduits – CONSTRUCTION ONLY - The original and planned corridor alignment for routing temporary conduits within the station box cannot be used for installation of conduits for temporary power source during station construction. The new and revised quantity of conduits and size of ductbank, as requested by LADWP is significantly large and hence original alignment cannot be used for temporary power connection during support of excavation. As a result, temporary conduits need to be designed and installed outside the station box, on the south side of Wilshire Blvd. | 2 | 12/8/2022 | 1/17/2023 | \$2,507,258 | \$886,000 |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| EN66937000-TO-004-MOD-00002 | Kleinfelder Inc. - PLE3 Environmental Engineering Monitoring Compliance - Continuation of environmental compliance monitoring through February 1, 2024 as an Agency requirement for all Metro construction projects. | 5 | 1/25/2023 | 2/7/2023 | \$636,406 | \$636,406 |
| PS43502000-MOD-00084 | WSP - Continuation of Engineering Management Services for WPLE Section 3 - Continuation of Engineering support services through December 31, 2024 for PLE 3 Contracts C1151 (Tunnels), C1152 (Stations, Trackwork, Systems and Systems Integration Testing), and C1204 (VA Parking Structure); real estate support to complete real estate easement acquisitions. | 5 | 2/9/2023 | 2/28/2023 | \$13,255,023 | \$13,216,319 |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A) DESIGN BUILD CONTRACT - CONTRACT NO. C1151 (FKTP) | | | |
|--|---|-------------|-----------------------------------|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| C1151-MOD-00024 | Claim-04, Gravel Seam Impact BR Tunnel Rings 399 to 486 - The Contractor claimed that the extent of the material change with an increase in the content of coarse (sand and gravel) compared to fine materials was not described in the Geotechnical Baseline Report (GBR). After reviewing the reasoning provided in the claim letter, Metro observed that the character of the gravel seam encountered was not similar to those described in the Geotechnical Baseline Report (GBR). Metro observed further additional efforts appeared necessary due to the increased forces on TBM during excavation and Contractor appeared to experience reduced advance rates because of these factors. | 3 | Between \$500K and less than \$1M |

| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1152 (TPOG) | | | |
|--|--|---|-----------------------------------|
| C1152-CO-00064.5 | UCLA Sta – Additional Adjacent Development Analysis on SOE - DESIGN ONLY - A new adjacent development at Wilshire Blvd and Gayley Avenue, which is close to the Metro Station and Entrance at Lot 36, may be constructed during the duration of the Purple Line Extension Section 3 project. The schedule of the adjacent development and design details were not known at the time when the C1152 bid documents were prepared, and therefore, specific requirements to consider the development are not included in the Contract. Given the potential for the development to take place during the construction of the Westwood/UCLA Station, it is necessary for the C1152 contractor to determine if there are any impacts on the station and entrance structures and support of excavation. | 5 | Between \$500K and less than \$1M |
| C1152-MOD-00089 | UCLA Station - Additional LADWP Temporary Power Conduits – CONSTRUCTION ONLY - The original and planned corridor alignment for routing temporary conduits within the station box cannot be used for installation of conduits for temporary power source during station construction. The new and revised quantity of conduits and size of ductbank, as requested by LADWP is significantly large and hence original alignment cannot be used for temporary power connection during support of excavation. As a result, temporary conduits need to be designed and installed outside the station box, on the south side of Wilshire Blvd. | 2 | Between \$1M and \$5M |

| B) PROFESSIONAL SERVICES CONTRACTS | | | |
|------------------------------------|------|--|--|
| | None | | |

| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | |
|---|------|--|--|
| | None | | |

DIVISION 20 PORTAL PROJECT

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1136 - TUTOR PERINI CORPORATION | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1184 - C3M | | | | | | |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS - CONTRACT NO. AE66758000 T.Y.LIN INTERNATIONAL | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS - CONTRACT NO. MC074 ANSER ADVISORY MANAGEMENT LLC | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| | | | |
|--|--|-------------|-----------------------------------|
| A) DESIGN BID BUILD CONTRACT - CONTRACT NO. C1136 - TUTOR PERINI CORPORATION | | | |
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| CO 47.2(MOD#55) | Temporary Traction Power Negative Returns and Revised Track Demolition Limits: This UCO covers MOD#55. The contractor refused to sign the MOD, wanting Metro to include subcontractor bond costs. Work consists of Installation of 2 – 5" direct bury conduits to provide a negative return path; construct ductbank with minimum 30-inch cover; Install all cabling to provide temporary negative returns; Protect-in-place existing Disconnect Switch Assemblies; Install, terminate, and perform continuity testing of negative return cabling between temporary connection locations; Revise demolition limits of Storage Tracks ST-4 to ST-10; Sequence demolition of 180-feet measured from the existing switch number 501 of Track MR3. | 6 | Between \$1M and \$5M |
| CO 14.1(MOD#52) | Install Track Connection for PLE1 CWR transport: This UCO covers MOD#52. The contractor refused to sign the MOD, wanting Metro to include subcontractor bond costs. Work consists of installtion of a Metro furnished No. 8 Turnout (Right Hand) . Installation of a second connection from the OS track, under the First Street bridge into the welding plant area from salvaged material from the Yard and modify traction power, signals and communications as necessary. | 5 | Between \$500K and less than \$1M |
| A. DESIGN BID BUILD CONTRACT NO. C1184 - C3M | | | |
| | None | | |
| B) PROFESSIONAL SERVICES CONTRACTS - CONTRACT NO. AE66758000 T.Y.LIN INTERNATIONAL | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS - CONTRACT NO. MCO74 ANSER ADVISORY MANAGEMENT LLC | | | |
| | None | | |

AIRPORT METRO CONNECTOR

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1194 - HPH | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1197 - Tutor | | | | | | |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1194 - HPH | | | |
|---|--|-------------|-----------------------------------|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
| | None | | |
| A. DESIGN BID BUILD CONTRACT - CONTRACT NO. C1197 - Tutor | | | |
| Tutor - C1197 Mod 14 CN 19 Bulletin 36 | Bulletin 36 – Storm Drain Separator The original IFC set of drawings did not include any filtration systems for the storm water discharging into the cisterns. Bulletin 36 modifies the contract drawings and specifications related to the storm drain system. Seven (7) Hydrodynamic Separators (HDS) have been added to the storm drain system to minimize the amount of oil and sediment particles entering the newly constructed cisterns. | 5 | Between \$500K and less than \$1M |
| Tutor - C1197 CO 2 | Bus Charging Switchboards The Contractor shall provide Factory Shop Drawings and begin fabrication of Bus Charger Switchboards. This change was necessary to meet Metro's plan of transitioning to a 100% zero emission bus fleet by 2030. | 5 | Between \$1M and \$5M |
| Tutor - C1197 Mod 15 CN 23 Bulletin 28 | Bulletin 28 – Onsite DWP and Bus Charging The original IFC set of drawings included three (3) bus charging units. After coordination with Metro Bus Operations the number of bus chargers for the AMC site was increased from three (3) to seven (7) bus chargers. This change was necessary to meet Metro's plan of transitioning to a 100% zero emission bus fleet by 2030. | 5 | Between \$1M and \$5M |
| B) PROFESSIONAL SERVICES CONTRACTS | | | |
| | None | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | |
| | None | | |

SOUNDWALL PACKAGE 11

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1101 Soundwall Package 11 - Powell | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1101 - Powell

| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost |
|-----------------------|--|-------------|-----------------------------------|
| CN TBD | <u>Time Impact</u> This potential modification is for Time Impacts due to extending the Period of Performance | 5 | Between \$1M and \$5M |
| | <u>Vandalism Claims</u> This potential modification is for the theft and vandalism on the SW 11 Project | 5 | Between \$1M and \$5M |
| CN TBD | <u>Homeless Encampments</u> This potential modification is for the cleanup of homeless encampments on the SW 11 Project | 5 | Between \$500K and less than \$1M |
| CN TBD | <u>Martinez Landscaping</u> This potential modification is for an Landscaping due to period of performance extension and vandlaism on the SW 11 Project | 5 | Between \$500K and less than \$1M |

B) PROFESSIONAL SERVICES CONTRACTS

| | | | |
|--|------|--|--|
| | None | | |
|--|------|--|--|

C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

| | | | |
|--|------|--|--|
| | None | | |
|--|------|--|--|

RAIL TO RAIL

| I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (December 1, 2022 - February 28, 2023) | | | | | | |
|--|--|-------------|-----------------|---------------|------------------------------|-----------------|
| Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety | | | | | | |
| A. DESIGN BUILD CONTRACT - CONTRACT NO. C1166 Rail to Rail (Griffith) | | | | | | |
| MOD/CHANGE # | DESCRIPTION (if the change is a unilateral, explain in BOLD fonts) | Change Type | Submission Date | Approval Date | Contractor's Proposed Amount | Approved Amount |
| | None | | | | | |
| B. PROFESSIONAL SERVICES CONTRACTS | | | | | | |
| | None | | | | | |
| C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | | | |
| | None | | | | | |

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (December 1, 2022 - February 28, 2023)

| A) DESIGN BUILD CONTRACT - CONTRACT NO. C1166 - Rail to Rail (Griffith) | | | | |
|---|--|-------------|-------------------------------|--|
| CHANGE NOTICE/ORDER # | DESCRIPTION | Change Type | Rough Order of Magnitude Cost | |
| CO 4 (no CN) | <u>Permanent Pavement Markings</u> | 5 | Between \$1M and \$5M | |
| | Provide labor, equipment, and material to install permanent Pavement Markings, as defined by Greenbook Section 314 Traffic Striping, Curb and Pavement Markings, as reflected on the AFC Volume 2 plans. | | | |
| B) PROFESSIONAL SERVICES CONTRACTS | | | | |
| | None | | | |
| C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS | | | | |
| | None | | | |

Attachment B - OIG Spot Check CEO Delegated Authority Delays Avoided (April 2023)

| Project Name | Total Work Days Saved | Years Saved |
|-------------------------|--------------------------------|----------------|
| Crenshaw/LAX | 336 | 1.3 |
| Regional Connector | 445 | 1.7 |
| Purple Line Section 1 | 668 | 2.6 |
| Purple Line Section 2 | 428 | 1.7 |
| Purple Line Section 3 | 301 | 1.2 |
| Division 20 | 107 | 0.4 |
| Airport Metro Connector | 12 | 0.0 |
| Total Savings | 2285 | 8.9 |