



Metro

Board Report

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

File #: 2023-0410, **File Type:** Informational Report

Agenda Number: 16.

CONSTRUCTION COMMITTEE JULY 20, 2023

SUBJECT: PROGRAM MANAGEMENT QUARTERLY CHANGE REPORT

ACTION: RECEIVE AND FILE

RECOMMENDATION

RECEIVE AND FILE Status Report on Program Management Quarterly Change Report (Attachment A).

ISSUE

This board report is a receive and file that summarizes quarterly changes valued at greater than \$500,000 for projects managed by Program Management. Additional detail is provided in Attachment A - Quarterly Change Orders Log for Reporting Period of March 1, 2023 - May 31, 2023.

BACKGROUND

In January 2017, the Metro 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 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 that are above \$500,000. This CEO delegated authority of changes is very beneficial to expedite contract changes and avoid costly construction delays. Since the inception of the program up to 2,344 concurrent workdays or concurrent 9.1 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 March 1, 2023, and May 31, 2023, are included in Attachment A.

FINANCIAL IMPACT

The changes included in this report are within the approved LOP budget for each project.

EQUITY PLATFORM

The cost and time savings from the expansion of 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
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 on a quarterly basis.

NEXT STEPS

The next Change Order Log will cover the period of June 1, 2023 through August 31, 2023 and will be presented to the October 2023 Construction Committee.

ATTACHMENTS

Attachment A - Quarterly Change Orders Log for Reporting Period of March 1, 2023 - May 31, 2023

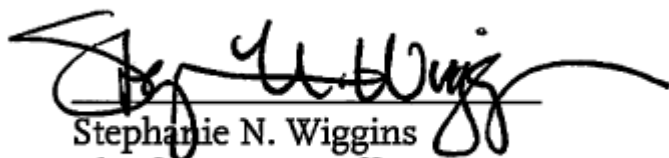
Attachment B - OIG Construction Change Order Spot Checks CEO Delegated Authority Delays Avoided

Prepared by:

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- **Regional Connector** - Mathew Antonelli, Deputy Chief Program Management Officer, (213) 893-7114
- **Westside Purple Line Ext 1** - James Cohen, Senior Executive Officer, Projects Engineering (Interim), (323) 900-2114
- **Westside Purple Line Ext 2** - Michael McKenna, Senior Executive Officer, Projects Engineering (Interim), (424) 551-4447
- **Westside Purple Line Ext 3** - Kimberly Ong, Senior Executive Officer, Projects Engineering (Interim), (424) 551-4501
- **Division 20 Portal** - Albert Soliz, Deputy Executive Officer, Project Management, (213) 922-4002
- **Airport Metro Connector** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **Rail to Rail** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **I-105 Express Lanes** - Tim Lindholm, Deputy Chief Program Management Officer, (213) 922-7297
- **Report** - Julie Owen, Senior Executive Officer, 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 (March 1, 2023 - May 31, 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						
PS58665-009-MOD-00010	Arcadis US Inc.: Construction Claims/Litigation Support Services for Crenshaw/LAX Project March 1 through August 31, 2023.	5	04/04/23	TBD	\$904,798	\$899,992
C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS						
	None					

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 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			
E0117-MOD-00058	Vendor Mott MacDonald: Additional FY23/24 Funding for Claims Support and Extend Period of Performance to Crenshaw/LAX Transit Project. Budget award for the Consultant staff to provide Claims Support Services as there are not enough existing Metro positions available to provide eligible claims support for the Project. Some of the staff are on an as-needed basis only and not full-time basis based on the type of submittals or questions received.	5	Between \$500K and less than \$1M
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
	None		

CRENSHAW/LAX CLOSE OUT PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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						
	None					

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 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			
	None		
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
MC069-32-MOD-00001	Vendor Stantec Consulting, Inc.: Additional CMSS Support for the C/LAX Catch-All Contract - FY23 Ext. Thru 12/31/2023. Budget award for support services related to the scope of the Punch Out Construction Work under Contract #1 (C1217) with Griffith Company.	5	Between \$500K and less than \$1M

REGIONAL CONNECTOR TRANSIT PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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-249	Add 'I Roadway Pavement Restorations - Construction: Construct additional asphalt grind & overlay and concrete pavements along the project corridor.	5	2/3/2023	3/8/2023	\$2,001,932	\$1,580,000
C0980-MOD-250	2nd Broadway Reshoring to Facilitate Removal of Pin Piles 117 through 133: The 2nd Broadway Station Load Transfer System (LTS) Change increased the thickness of the roof slab of the entrance structure and added significant quantities of dense rebar and concrete in the form of beams above the roof slab. This modified the contactor means and methods. The proposed reshoring system will allow removal of the pin piles prior to the roof slab pours which facilitates the installation of formwork, rebar, and concrete placement of these slab pours.	5	2/28/2023	4/10/2023	\$622,694	\$554,500

B. PROFESSIONAL SERVICES CONTRACTS

	None					
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C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

	None					
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II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C0980 - REGIONAL CONNECTOR CONSTRUCTORS			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
C0980-CN-003XX	2nd/Hope Fire Hydrant and Fire Service Line Utility Conflicts: Contractor to resolve various utility conflicts near Hope/Grand. Work involved includes traffic control, additional exploratory excavation, backfill, asphalt paving, additional sawcut and asphalt demolition, design revisions to alignment, additional work with realignment and re-sequence of final pavement for Hope Street due to delayed work.	3	Between \$500K and less than \$1M
B) PROFESSIONAL SERVICES CONTRACTS			
E0119-MOD-0036	FY24 Funding for Design Support During Construction: Provide funding for staff augmentation through FY24 for Design Services During Construction activities for the Regional Connector Transit Corridor Project.	5	Between \$500K and less than \$1M
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
MC070-MOD-00027	Add'l FY23 Funding for Construction Management Support Services and Arcadis and DHS Final Indirect Rates for FY21: Provide additional funding for staff augmentation through FY23 to assist Metro with the management of the final design and construction of the Regional Connector Project. It also establishes the Final FY21 indirect rates for Arcadis, and DHS Consulting.	5	Between \$1 and \$5 Million

WESTSIDE PURPLE LINE EXTENTION SECTION 1

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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-9.1	Substantial Completion Milestone Change due to Anomaly Impact: The Reach 3 Wilshire/San Vicente Anomaly has impacted critical path tunnel mining activities and the substantial completion date. This CN is being issued to adjust the current contract completion date and compensate the contractor for the associated extension of contract time. Contract completion milestones will be adjusted based on a review and analysis of the Time Impact Analysis as outlined in the contract.	3	2/10/2023	2/8/2023	N/A	\$10,883,019
CO-23.1	Isolate Track Circuits at Wilshire/Western Station (Construction): This change is to avoid potential safety issues related to failures of track circuits due to equipment between different manufactures when placed into service. This issue was the subject of letter from vendor Ansaldo STS dated 2/17/16 to contractor LK Comstock, subsequently forwarded to Metro C1045 contractor STS and on to Metro for consideration and action. Early completion of this work during Cutover Phase 1 will mitigate risks typically associated with the last moment detail interface works with the existing system while commissioning the newly installed systems.	7	4/5/2023	3/28/2023	N/A	\$1,500,000
CO-28	Expedite Cutterhead Removal at Tail Track: This change is being issued to expedite the removal of the WPLE1 cutterheads at the Purple Line Extension (PLE) Section 1 and 2 grout end block interface. This expedited removal will minimize potential cost/schedule impacts for both WPLE1 and WPLE2 Projects.	5	4/19/2023	4/18/2023	\$3,554,535	\$2,713,967
CO-31	DU4 La Cienega Appendages AA, AB, & AC Support of Excavation (SOE) Pile Conflict with AT&T Ductbank: This change compensates the contractor to relocate SOE piles to avoid the existing AT&T ductbank and adjacent building foundation. During potholing activities, it was discovered that SOE piles were in conflict with the existing AT&T ductbank and the adjacent building foundation.	3	4/19/2023	4/18/2023	\$1,537,051	\$1,304,663

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

	None					
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B. PROFESSIONAL SERVICES CONTRACTS

7	SECOTrans, Joint Venture: E0128-TO-021/Systems Engineering DSDC Support for Purple Line Extension Section 1 Systems Engineering Design Services During Construction Support for Purple Line Extension Section 1 – FY23 Level of Effort – Cutover Support.	5	04/11/23	4/18/2023		\$506,346.00
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C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

	None					
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II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 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-00239	Sound Wall Pile Removal at Station Yards (TCEs): This change compensates the C1045 contractor for the removal of city and privately owned properties piles in their entirety ahead of any future development and in accord with Temporary Construction Easement (TCE) contract requirements. Entire pile removal was not indicated in the C1045 contract bid documents.	2	Between \$500K and less than \$1M
CN-00243	Cutterhead Removal Impacts to the BL Tunnel due to the Section 2 TBM Mining Operation: This change compensates the C1045 contractor for the standby time during the BL tunnel cutterhead removal. Due to safety reasons, the S1 cutterhead removal crew was placed on standby during the S2 TBM mining operation in the same area.	7	Between \$500K and less than \$1M
A. DESIGN BUILD CONTRACT - 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 (March 1, 2023 - May 31, 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 - Tutor Perini / O&G, 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
	MOD-00153.1	<u>CCCS Joint Trench Size Discrepancies (DSC-072) (CO-49)</u> : This change reimburses the Contractor for additional costs to expose, hang and support the joint trench where the dimensions exceed the typical dimensions depicted in the utility as-built drawings, and where the joint trench exceeds the contractual design flexibility of 25% for utility support systems. It also reimburses the Contractor for inefficiencies to the CCCS excavation work resulting from the additional support installation.	5	8/31/2022	3/30/2023	\$3,105,352.00	\$2,705,270.00
	MOD-00157.1	<u>Late ROW Availability of Parcel ID W-3801 (RFC-0086) (CO-46)</u> : This change compensates the Contractor for construction impacts due to delayed availability of Parcel ID W-3801 which was to occur on or before November 7, 2019 in accordance with SP-16, Site Access Dates, Appendix B Right of Way (ROW) Availability Schedule.	5	7/14/2022	3/26/2023	\$771,439.00	\$544,463.00
	MOD-000162.1	<u>CCCS Relocated UPE Plenum at Westfield Mall-Design (CO-23.1)</u> : This change is for the relocation of the under platform exhaust (UPE) plenum from private property to the public right-of-way (sidewalk) along Constellation Boulevard. It was initiated when the adjacent property owner informed Metro that they were no longer interested in constructing their own private entrance to the station concurrently with Metro's construction. Metro will be constructing the UPE appendage in the public ROW to avoid the cost of acquiring temporary and permanent easements from the adjacent property owner.	5	8/11/2022	3/22/2023	\$5,227,898.00	\$2,758,978.00
	MOD-00170	<u>CCCS Entrance Plaza, Appendage, and Right-of-Way Revisions due to JMB (Construction) (CO-29.1, 35.3, 39.1)</u> : The design of the station entrance and northeastern appendages for the Century City Constellation Station (CCCS) were not fully established at the time of Contract award. Metro coordinated with the adjacent property owner (Developer) at 1950 Avenue of the Stars, who was proceeding with a large development, to manage the spatial constraints for both projects. The coordination included modifying the location of the station entrance and certain appendages. The requirements were included in the acquisition agreement for the purchase of the permanent and temporary property rights necessary for the station construction.	5	11/11/2022	4/3/2023	\$14,060,104.00	\$10,384,466.00
	MOD-00171	<u>WRS Permanent Power Duct Banks (CO-31.2, 38, 51)</u> : The scope of this Change is to pothole, complete Final Design, and install Southern California Edison (SCE) duct banks for primary and secondary SCE power feeds to Wilshire/Rodeo Station (WRS) switchgears, based on a preliminary design provided by SCE. Per the original Contract, this work was planned to be performed by SCE, with duct bank connection points closer to WRS.	2	9/6/2022	3/20/2023	\$13,748,653.00	\$12,475,794.00
	MOD-00173	<u>Constellation Station West Ancillary and OPE Reconfiguration Construction (CO-32.2, 34.3)</u> : This Change compensates the Contractor for the construction of the reconfiguration of the west ancillary area and overplatform exhaust appendages at the Century City Constellation Station (MOD-0002 and MOD-0074). This also includes the construction of the 24" sanitary sewer and 42"storm drain relocation (MOD-0070).	5	10/26/2022	4/21/2023	\$42,470,746.00	\$37,300,000.00
	MOD-00174	<u>Elevator Hoistway Framing Steel Upsizing (Construction Only) RFC 150.1</u> : This Change will compensate the Contractor for the increase in construction costs for the elevator hoistway framing steel for the Wilshire/Rodeo Station and the Century City Constellation Station, due to larger steel members being required by the Final Design compared to what could have been expected based on the Contract Documents (refer to Metro Rail Standard Drawings AS-010, -011, and -012).	5	2/21/2023	3/21/2023	\$1,305,222.00	\$1,231,363.00
	MOD-00175	<u>WRS MOA Impacts to work activities during Holiday Moratorium (November 13, 2020 through January 4, 2021)</u> : This change is to compensate the Contractor for impacts to construction work due to the holiday moratorium restrictions from the City of Beverly Hills (COBH) in Memorandum of Agreement (MOA).	2	2/27/2023	3/22/2023	\$781,154.00	\$535,011.00
	MOD-00176	<u>WRS MOA Impacts to Work Activities January 5, 2021 through June 30, 2021</u> : This change is to compensate the Contractor for impacts to construction due the holiday moratorium restrictions from the City of Beverly Hills (COBH) Memorandum of Agreement (MOA).	2	3/6/2023	3/22/2023	\$3,154,998.00	\$1,949,171.00
	MOD-00178	<u>CCCS West Deck Access Opening Inefficiencies</u> : This change is to compensate the Contractor for construction impacts associated with the revisions to the Stage 7 Traffic Control Plans and the redesign of opening in the decking on Constellation Blvd, west of Avenue of the Stars, in order to provide continuous traffic access to an adjacent property owner, in accordance with the project's Final Environmental Impact Statement and Environmental Impact Report (FEIS/FEIR). At the time of Contract Award and during the preparation of the FEIS/FEIR, it was unknown that the recently remodeled hotel would use their eastern driveway as the main access to their Ballroom; it was also unknown that the existing west driveway would become a future entrance to a newly built underground parking garage that would serve new residential towers and retail areas.	5	1/4/2023	4/17/2023	\$15,150,186.00	\$10,269,998.00
	MOD-00179	<u>Provisions for WRS North (Secondary) Entrance - Construction (CO-33, 47)</u> : This change is for construction of elements within the Wilshire Rodeo Station to accommodate a future North (secondary) Entrance, based on design provisions authorized by MOD-134. The scope includes the construction of a new walkway, cantilevered from the station exterior wall, extending from the northwest corner of the existing concourse to a new knock out panel at the northwest corner of the station platform module, including all associated adjustments to ancillary items. This scope of work is required to accommodate the approved and executed Settlement Agreement between Metro and City of Beverly Hills which was authorized by the Metro Board on November 10, 2020.	2	3/10/2023	4/25/2023	\$7,197,324.00	\$6,489,588.00
	MOD-00181	<u>WRS MOA Impacts to Excavation after the Full Closure (June 16, 2020 through Nov. 12, 2020) (CO-52)</u> : The purpose of this change is to compensate the Contractor for impacts of additional work restrictions from the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) for the construction work expected to occur after the specific work activities identified and included in MOD-00124.	2	10/26/2022	4/18/2023	\$1,217,437.00	\$1,162,784.00
	CO-00055.2	<u>MOA Impacts to Work Activities during 2022 Holiday Moratorium</u> : This Change Order (CO) revision increases the Not-to-Exceed (NTE) value from \$737,500 to a revised total NTE of \$872,000. This change is to compensate the 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 Modification continue.	2	N/A	1/10/2023	N/A	\$872,000.00
B. PROFESSIONAL SERVICES CONTRACTS							
	None						
C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS							
	None						

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1120 - Tutor Perini / O&G, A Joint Venture

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN-00208	MOA Impacts Along the Reach 4 and 5 Tunnel Alignment January 2, 2022, to November 23, 2022: The purpose of this Change Notice is to compensate the Contractor for impacts along the Reach 4 and 5 of the Tunnel Alignment construction activities from work restrictions imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) during the following period: January 2, 2022 to November 23, 2022.This Change Notice excludes individual COBH holidays defined in the MOA which were not already part of the C1120 Contract. Those individual additional COBH holidays will be captured separately in a subsequent Change Notice.	2	Between \$500K and less than \$1M
CN-00209	MOA Impacts to WRS Work Activities within COBH January 2, 2023 to November 22, 2023: The purpose of this Change Notice is to compensate the Contractor for impacts to the Wilshire/Rodeo station construction activities from El Camino Dr. to Cresent Dr. for the station box and station entrance for work restrictions imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) during the following period: January 2, 2023, to November 22, 2023. This Change Notice excludes individual COBH holidays defined in the MOA which were not already part of the C1120 Contract. Those individual additional COBH holidays will be captured separately in a subsequent Change Notice.	2	Between \$500K and less than \$1M
CN-00217	MOA Impacts to Allowable Work Hours and Work Days for Individual Holidays in 2023: The purpose of this Change Notice is to compensate the Contractor for impacts to the Wilshire/Rodeo station construction activities allowable work activities and workdays imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) during calendar year 2023 holidays.	2	Between \$500K and less than \$1M
CN-00221	MOA Impacts to WRS Work Activities within COBH January 2, 2023 to November 22, 2023: The purpose of this Change Notice is to compensate the Contractor for impacts to the Wilshire/Rodeo station construction activities from El Camino Dr. to Cresent Dr. for the station box and station entrance for work restrictions imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) during the following period: January 2, 2023, to November 22, 2023. This Change Notice excludes individual COBH holidays defined in the MOA which were not already part of the C1120 Contract. Those individual additional COBH holidays will be captured separately in a subsequent Change Notice.	2	Between \$500K and less than \$1M
CN-00222	MOA Impacts Along the Reach 4 and 5 Tunnel Alignment January 2, 2023 to November 22, 2023: The purpose of this Change Notice is to compensate the Contractor for impacts along the Reach 4 and 5 of the Tunnel Alignment construction activities from work restrictions imposed by the City of Beverly Hills (COBH) Memorandum of Agreement (MOA) during the following period: January 2, 2023 to November 22, 2023. This Change Notice excludes individual COBH holidays defined in the MOA which were not already part of the C1120 Contract. Those individual additional COBH holidays will be captured separately in a subsequent Change Notice.	2	Between \$500K and less than \$1M

B) PROFESSIONAL SERVICES CONTRACTS

	None		
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C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

CN-00005	Continuation of Construction Management Support Services for WPLE 2	5	More than \$15M
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WESTSIDE PURPLE LINE EXTENTION SECTION 3

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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
C1151-MOD-00024	Claim-04, Gravel Seam Impact BR Tunnel Rings 399 to 486 <i>- Character of gravel seam encountered during tunneling was not similar to those described in the Geotechnical Baseline Report (GBR). Consequently, the Contractor expended additional efforts due to the increased forces on the Tunnel Boring Machine during excavation.</i>	3	2/27/2023	3/9/2023	\$959,123	\$959,123

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 any impacts on the station and entrance structures and support of excavation would result if the adjacent development were constructed concurrently with the station.	5	2/7/2023	3/3/2023	N/A	\$740,066
C1152-MOD-00089	UCLA Station - Additional LADWP Temporary Power Conduits – CONSTRUCTION ONLY <i>- 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.</i>	2	2/22/2023	3/28/2023	\$2,587,000	\$2,587,000

B. PROFESSIONAL SERVICES CONTRACTS

	None					
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C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

	None					
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II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1151 (FKTP)			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	None		
A. DESIGN BUILD CONTRACT - CONTRACT NO. C1152 (TPOG)			
	None		
B) PROFESSIONAL SERVICES CONTRACTS			
PS58665-007-MOD-00005	Arcadis US Inc. - WPLE3 Construction Claims Support Services (FY23 - FY24) - Continuation of construction claims support services (e.g. provide claims avoidance, mitigation and resolution support, issue and dispute review) through 6/30/24.	5	Between \$500K and less than \$1M
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
	None		

DIVISION 20 PORTAL PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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. C1136

MOD/CHANGE #	DESCRIPTION <div>(if the change is a unilateral, explain in BOLD fonts)</div>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
CO 14.1(MOD#52.1)	Install Track Connection for PLE1 CWR Transport. This UCO covers MOD#52 and supersedes Unilateral Change Order (CO) No. C1136-CO-00014.1. Install a Metro furnished No. 8 Turnout (Right Hand) at the location shown on the Drawings prepared by PLE1 Designer. Include secondhand turnout ties and OTM from salvaged materials from the yard. Install Traction Power, Signals and Communications in accordance with the Drawings prepared by PLE1 Designer.	6	3/7/2023	4/17/2023	\$951,284	\$501,357
CO 130(MOD#75)	The Contractor shall provide off-site storage for special trackwork for Contract Phase 1B from April 2022 through November 2022. Payment of storage costs shall be as incurred on a monthly basis.	5	3/7/2023	4/18/2023	\$1,874,014	\$1,856,217
CO 175(MOD#78)	Additional Trailer at the Ranch. This MOD#78 supersedes Unilateral Change Order (CO) No. C1136-CO-00175. The Ranch (Commercial and Center Streets) 1. Contractor to furnish and install a container trailer at The Ranch location at Center and Commercial streets along the 101 Freeway for 36 months. *See attachment 2. Trailer to include 2 offices and 10 cubicles, restrooms (male & female), kitchen (refrigerator, sink, microwave, water machine), lighting, AC and heat, 3. Contractor to furnish trailer with one (1) 4'x8' kitchen table and one (1) 4.5'x10' conference table, fourteen (14) chairs, one (1) 75" Samsung TV monitor, one (1) HP 15.6" Touch Screen Laptop – Intel Core i7 – 16GB Memory – 512GB SSD – Silver laptop or equivalent, twelve (12) sets of desks and chairs, twelve (12) coat racks, twelve (12) book cases, ten (10) desktop computers, twenty (20) computer monitors, ten (10) keyboards, and ten (10) computer mouses for Metro's use. Metro requests that the hard drives for these computers be: Samsung 970 EVO SSD 2TB, or equivalent. 4. Contractor to provide the office trailer with sewer connection and potable water for 36 months. 5. Contractor to janitorial services (1 day a week) for 36 months. 6. Contractor to pave over the gravel area with 3-inch Hot Mix Asphalt (HMA) 7. Contractor to provide security services (7 days a week: 3:30 pm to 6:30 am (Monday to Friday), 24 hours (Saturday-Sunday)) for 36 months.	5	4/19/2023	5/18/2023	\$1,181,268	\$1,125,853

B. PROFESSIONAL SERVICES CONTRACTS

	None					
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C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

	None					
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II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1136			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CO 41(MOD#88)	Collected MOD - CO-00022 Communication Pull Boxes and Yard Tower Room 279 UPS Layout; CO-00037 Add Power Distribution Units to Communication Interface Cabinets; CO-00041 Room 303 Communications Equipment. The Total MOD Value is inclusive of all costs for CO-00022.1, CO-00037.1, and CO-00041 scope of work and supersedes the previous CO-00022 not-to-exceed authorization of: \$800,000.00, CO-00037 not-to-exceed authorization of: \$763.00, and CO-00041 not-to-exceed authorization of: \$23,339.00.	5	Between \$1M and \$5M
B) PROFESSIONAL SERVICES CONTRACTS			
	None		
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
	None		

AIRPORT METRO CONNECTOR

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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. 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 BUILD CONTRACT - CONTRACT NO. C1197 - Tutor						
	None					
B. PROFESSIONAL SERVICES CONTRACTS - DSDC Gruen						
	None					
C. CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS						
	None					

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1194 - HPH

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	None		

A. DESIGN BUILD CONTRACT - CONTRACT NO. C1197 - Tutor

Tutor - C1197 CO 4 CN 38 Bulletin 40	Bulletin 40 - Project Wide Roof Modifications The Contractor shall provide the necessary labor, equipment, and materials to perform work in accordance with the Contract Documents and Bulletin 40. This includes providing new detailing/shop drawings, expediting fabrication, and installing a new light gage framing system at the roof level project wide. The original contract drawings had light gage framing and sheathing between the roofing panel system and the structural deck that could create pockets where secondary water may collect. Due to the difficulty of accessing the roof level of the station (50'+ above the ground level), it is imperative to prevent maintenance requirements, and repairs, at the roof level.	5	Between \$500K and less than \$1M
Tutor - CN 49 Milestone 2A Partial Substantial Completion	Milestone 2A - Partial Substantial Completion In an effort to expedite the public opening of the Rail and APM transfer scope of the AMC project, Metro seeks to obtain a Partial Substantial Completion ahead of the original Milestone 3 completion. This Partial Substantial Completion shall add a Milestone, defined as Milestone 2A, and shall focus on allowing public access certain portions of the AMC Station This shall include, but not limited to, fully operational rail and LRT Platform, cutover/integrate and test all AMC Communications subsystems including SCADA, completed interface connection of the AMC to the Airport People Mover (APM) ITF-East station mezzanine level, access to the AMC station from Aviation Blvd and a completed pathway between these elements.	5	More than \$15M
Tutor - CN 34 Metro Plaster/ Paint Mark-up	Metro Plaster/Paint Mark-up The AMC station is made with ceiling perforated mesh panels which allows the metal deck of the roof to be visible within the station. The raw color of the metal deck is very noticeable due to the color difference of the walls and soffit of the station. The Metro Project Team is satisfied with the appearance of the deck where acoustical plaster and paint is currently applied. The Metro project team would like to extend the limits of the acoustical plaster and paint through-out the project limits to blend and match the finish the underside of the roof as well as add an additional layer of protection to the exposed metal.	5	Between \$500K and less than \$1M

B) PROFESSIONAL SERVICES CONTRACTS - DSDC Gruen

	None		
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C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

	None		
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RAIL TO RAIL

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 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 (March 1, 2023 - May 31, 2023)

A) DESIGN BUILD CONTRACT - CONTRACT NO. C1166 - Rail to Rail (Griffith)			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
None yet	<u>Contaminated Soil in Public ROW</u> With City of LA transferring all work in public right-of-way to Metro in 2022, Metro has begun working in the first two street intersections and encountered contamination. Potholing has indicated the contamination is widespread and will be encountered in most if not all of the 22 intersections City of LA transferred to Metro. Initial projections are that this could be a potential problem of up to \$5M.	5	Between \$1M and \$5M
B) PROFESSIONAL SERVICES CONTRACTS			
	None		
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
	None		
D) THIRD PARTY AGREEMENTS			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
LADOT - FY24 WOA	<u>FY24 Annual Work Plan with City of LA for LADOT</u> Metro sought to have the City self-perform the work in the public right of way. Instead, the City provided a \$27.3 million contribution. The current estimated cost for the work in the public right of way is approximately \$45 million. Due to the transfer in responsibility, Metro needs additional review and approvals from the various City of LA Departments. LADOT is forecasting a work order authorization (WOA) of \$1.2 Million	2	Between \$1M and \$5M
LABOE - FY24 WOA	<u>FY24 Annual Work Plan with City of LA for LABOE</u> Metro sought to have the City self-perform the work in the public right of way. Instead, the City provided a \$27.3 million contribution. The current estimated cost for the work in the public right of way is approximately \$45 million. Due to the transfer in responsibility, Metro needs additional review and approvals from the various City of LA Departments. LABOE is forecasting a WOA of \$450K but Metro rounded to 500K for unforeseen conditions.	2	Between \$500K and less than \$1M
DWP - WOA	<u>DWP connections for Irrigating METro ROW</u> The R2R alignment is almost 6 miles long and will need to tap into various water mains along the alignment. Preliminary discussions between DWP and the 3rd Party Administrator assigned to R2R has produced an estimate of 605K for this work.	2	Between \$500K and less than \$1M

I-105 EXPRESS LANES PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (March 1, 2023 - May 31, 2023)						
Change Types: 1 - Betterment 2 - Third Party 3 - Differing Site Conditions 4 - Regulatory Requirements 5 - Scope 6 - Value Engineering 7 - Safety						
A. CMGC CONTRACT - CONTRACT NO. PS84667000						
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 (March 1, 2023 - May 31, 2023)

A) CMGC CONTRACT - CONTRACT NO. PS84667000			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	None		
B) PROFESSIONAL SERVICES CONTRACTS (WSP, Segment 1, Contract # AE275020011497-TO8)			
Mod 2	Mod 2 is to update all Plans, Specifications, and Estimating (PS&E) items to the 2022 Caltrans Standards released in October 2022, at which time the 95% PS&E was substantially complete. Also, to update geometrics to shift the profile grade/sawcut line for the mainline widening to the existing edge of traveled way to remove new rumble strips installed by Caltrans in 2022. Moreover, the mod includes additional design work and permit support to the existing Task Order 8.	5	Between \$1M - \$5M
Mod 3	Mod 3 is an extension to the scope of work to conduct additional geotech. field investigation; design an additional toll hub building at the I-105/I-605 interchange; revise the design of the I-110 toll hub building in Seg. 1; update the pavement delineation design after 95% PS&E; and develop a toll concept strip map for segments 1, 2 and 3.	5	Between \$1M - \$5M
C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS			
	None		

Attachment B - OIG Spot Check CEO Delegated Authority Delays Avoided

Project Name	Total Work Days Saved	Years Saved
Crenshaw/LAX	336	1.3
Regional Connector	463	1.8
Purple Line Section 1	702	2.7
Purple Line Section 2	428	1.7
Purple Line Section 3	308	1.2
Division 20	107	0.4
Airport Metro Connector	12	0.0
Total Savings	2344	9.1

Program Management Quarterly Change Report Summary

Sameh Ghaly

Chief Program Management Officer (Interim)

Program Management Quarterly Change Report

- This report summarizes quarterly changes valued at greater than \$500,000 for projects managed by Program Management.
- The current Quarterly Change Orders Log is reporting a period from March 1, 2023 - May 31, 2023.
- Changes included in this report are within the approved LOP budget for each project.
- The next Change Order Log will cover the period of June 1, 2023, through August 31, 2023, and will be presented to the October 2023 Construction Committee.

Quarterly Changes

	# of Approved Changes	Total Approved Amount	Within LOP	# of Pending Changes	Range	Within LOP
CRENSHAW/LAX TRANSIT PROJECT	1	\$899,992	✓	1	Between \$500K - \$1M	✓
CRENSHAW/LAX CLOSE OUT PROJECT	–	–	–	1	Between \$500K - \$1M	✓
REGIONAL CONNECTOR TRANSIT PROJECT	2	\$2,134,500	✓	3	Between \$2M - \$7M	✓
WESTSIDE PURPLE LINE EXTENTION SECTION 1	5	\$16,907,995	✓	2	Between \$1M - \$2M	✓
WESTSIDE PURPLE LINE EXTENTION SECTION 2	13	\$88,678,886	✓	6	5 Between \$2.5M - \$5M; 1 over \$15M	✓
WESTSIDE PURPLE LINE EXTENTION SECTION 3	3	\$4,286,189	✓	1	Between \$500K - \$1M	✓
DIVISION 20 PORTAL PROJECT	3	\$3,483,427	✓	1	Between \$1M - \$5M	✓
AIRPORT METRO CONNECTOR	–	–	–	3	2 Between \$1M - \$2M; 1 over \$15M	✓
RAIL TO RAIL	–	–	–	4	Between \$3M - \$12M	✓
I-105 EXPRESS LANES PROJECT	–	–	–	2	Between \$2M - \$10M	✓