



## Board Report

File #: 2018-0623, File Type: Informational Report

Agenda Number: 29.

### CONSTRUCTION COMMITTEE OCTOBER 18, 2018

**SUBJECT: PROGRAM MANAGEMENT QUARTERLY CHANGE ACTIVITIES**

**ACTION: RECEIVE AND FILE**

#### **RECOMMENDATION**

RECEIVE AND FILE Program Management Quarterly Change Report

#### **DISCUSSION**

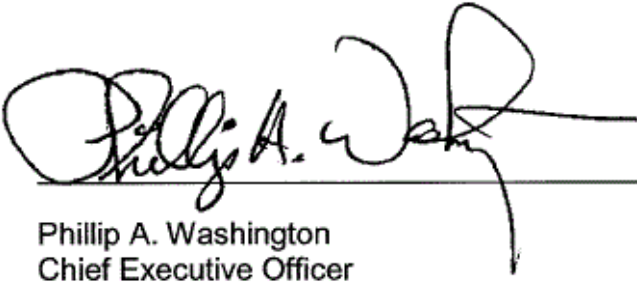
At the January 26, 2018 Board meeting, the Board approved the continuation and expansion of the delegation of authority within Life of Project (LOP) budget management on all Transit and Regional Rail Capital Projects. Staff was directed to provide quarterly reports to the Board on change orders and modifications that are above \$500,000. The change activities for the reporting period between June 1, 2018 and August 31, 2018 are included in Attachment A.

#### **ATTACHMENTS**

Attachment A - [Quarterly Change Report for Reporting Period between June 1, 2018 - August 31, 2018]

Prepared by:

- **Crenshaw/LAX** - Sameh Ghaly, Sr. EO Project Mgmt., (213) 418-3369
- **Regional Connector** - Gary Baker, EO Project Mgmt., (213) 893-7191
- **Westside Purple Line Ext 1** - James Cohen, EO Project Mgmt., (213) 922-7911
- **Westside Purple Line Ext 2** - Michael McKenna, EO Project Mgmt., (213) 312-3132
- **The New Blue** - Timothy Lindholm, EO Project Engr., (213) 922-7297
- **Report** - Brian Boudreau, Sr. EO Program Control, (213) 922-2474



Phillip A. Washington  
Chief Executive Officer

## CRENSHAW/LAX TRANSIT PROJECT

### I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (June 1, 2018 - August 31, 2018)

<b>A. DESIGN BUILD CONTRACT - Contract No. C0988 - WALSH SHEA CORRIDOR CONSTRUCTORS</b>						
MOD/CHANGE #	DESCRIPTION <small>(if the change is a unilateral, explain in <b>BOLD</b> fonts that is why this is unilateral and a modification will follow upon negotiation is finalized between Contractor and Metro).</small>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
MOD-00341.1	<b>Radio System - Additional Tunnel Amplifiers: Procure, install, and test additional radio amplifiers in certain tunnel crosspassage locations as depicted in the Metro approved AFC (Approved for Construction) Communications Systems Design prepared by WSCC. The work shall include all of the necessary appurtenances required for a complete installation.</b>	510 - Owner Design Change	2/5/2018	8/1/2018	\$ 730,353.22	\$678,287.00
MOD-00342.1	<b>Radio System - Additional Head-end Equipment: Relocate the Uplink above ground antennas from their original proposed location at the TPSS #8 site to their new location above ground at the CLAX Exposition Station. Provide all of the necessary detailed design, material, equipment, and labor for a complete installation.</b>	510 - Owner Design Change	2/5/2018	8/1/2018	\$ 918,762.66	\$862,138.00
MOD-00347.2	<b>Underground 1 (UG1) Center Walkway Lighted Handrail: Replace the non-lighted center handrails in the two (2) covered sections of UG1 with lighted handrails to provide an added measure of walkway lighting to facilitate evacuation of patrons during an emergency situation.</b>	330 - Safety Conditions	8/16/2018	8/31/2018	\$ 1,669,709.80	\$1,600,000.00
MOD-00354	<b>City of Los Angeles (COLA) Request to Replace Concrete Street Light and Signal Poles with Steel Poles - Martin Luther King (MLK) area: Revise street lighting design for Segment C limits between 48th St to Exposition Blvd per LABSL comments on the Segment C 85%-2 Street Lighting Design. Restore steel 15 ft. /40 ft. Davit pedestrian/street lights poles, and remove/replace concrete street light poles with steel 40 ft. Davit light poles.</b>	510 - Owner Design Change	9/8/2016	6/15/2018	\$ 1,577,184.00	\$1,350,000.00
MOD-00374	<b>Claim 108 DRB Determination - Water Service Relocation: Metro is reimbursing WSCC for its claimed costs in accordance with the project Disputes Review Board (DRB) finding of merit to WSCC's Claim 108 on April 24, 2018. The parties agreed on April 9, 2018 to accept the DRB's findings as binding.</b>	620 - Comprehensive Claims	7/5/2018	8/17/2018	\$ 936,650.00	\$936,650.00
MOD-00380	<b>3 Shades of Gray: Contractor shall revise concrete shades and concrete finishes per the design changes. 1) Platforms at all stations. 2) Concourse at underground stations. 3) Plaza at Expo, Vernon, La Brea and Century Stations.</b>	510 - Owner Design Change	8/16/2018	8/31/2018	\$ 4,450,797.85	\$880,000.00
CO-00173.5	<b>Fire Rated Conduit and Cable for Tunnel Emergency Lighting: Provide procurement and construction of additional wires and junction boxes for galvanized rigid conduit for emergency lighting at underground tunnels. This change is required because the Metro Rail Design Criteria for this type of product is not UL certified and this change provides a UL certified product.</b>	510 - Owner Design Change	8/21/2018	8/20/2018	\$ 7,666,921.68	\$2,600,000.00
CO-00175.2	<b>Underground (UG) Conduit and Cable for Twenty (20) UG3 and UG4 Tunnel Booster: Provide a fire rated cable conduits and circuits for 1. UG3 TUNNEL BOOSTER FANS (TBF) and 2. UG4 TUNNEL BOOSTER FANS (TBF). Metro and the Contractor have reached agreement on cost related quantities and materials to base contract work versus out-of-scope work, but have not reached agreement on the specific productivity rates for both credit for in-scope work and out-of-scope work.</b>	730 - Outside Agency	6/15/2018	6/15/2018	\$ 14,754,806.40	\$671,376.00

## II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (June 1, 2018 - August 31, 2018)

### A) DESIGN BUILD CONTRACT C0988 - WALSH SHEA CORRIDOR CONSTRUCTORS

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
MOD-00304	<u>Back Charge for Metro payments to COLA for in scope of contract (Traffic Control Officer) TCO Services:</u> This credit change is to back charge WSSC for TCO for the period of January 2014 thru June 30, 2017 (paid by Metro to LADOT per the Master Cooperative Agreement with City of Los Angeles.)	900 - Other	Credit between \$1M and \$5M
MOD-00335.1	<u>Cable Transmission System Update - Construction:</u> construct a Cable Transmission System (CTS) capable of multiple service types including E-Line, E-LAN, and E-Tree. Each CTS FW-9500 Node shall be connected to the adjacent FW-9500 Node by optical fibers from the 144 strand Cable A and the 144 strand Cable B. Each CTS FW-9500 Node chassis shall contain four (4) Transmit and Receive (Tx/Rx) cards. Two (2) Tx/Rx cards serve Cable A and Cable B North transmissions to Rail Operations Center (ROC) via the Expo Line; and two (2) Tx/Rx cards serve Cable A and Cable B South transmissions to ROC via the Green Line.	510 - Owner Design Changes	Between \$1M and \$5M
CO204	<u>Radio Redundancy Radio Rooms:</u> Contractor shall provide labor, materials and equipment to construct two new radio rooms at Underground Guideways UG-1 and UG-3.	110 - Extra Work	Between \$500K - \$1M
CO-00129	<u>Elimination Of Crossover at Sta 56+57.50 (North of 104th Street):</u> Eliminate the crossover at Sta. 56+57.50, north of 104th (or sought of Aviation/Century Station) and provide a credit to Metro labor, material and equipment, testing and commissioning to furnish and install crossover.	120 - Deletion of Work	Credit between \$500K - \$1M
CO-00180.1	<u>Cable Transmission System (CTS) Update - Construction:</u> The CTS communications platform has been Synchronous Optical Network (SONET), which is a legacy communications technology. The SONET network complicates, if not prohibits critical communication paths between stations (Finite Element Method/Electromagnetic Pulse (FEM/EMP) station to station Comms) in the event the Rail Operations Center (ROC) is unavailable. <b>Metro Engineering has elected to update the CTS to a Native Ethernet platform.</b> The change to Ethernet - facilitates implementation of a remote/backup ROC (Survivable Remote Site Telephony) and station to station communication, facilitates maintenance, future proofs the network and is cost effective.	510 - Owner Design Changes	Between \$1M and \$5M
CO-00204	<u>Radio Redundancy Radio Rooms:</u> The baseline contract documents only required open niches at UG-1 and UG-3, but Metro required that fully enclosed radio rooms be constructed to contain and secure the radio system equipment. This added scope of work is a change to the Contract.	110 - Extra Work	Between \$500K - \$1M
CO-00209.1	<u>Preliminary 45 Day Acceleration:</u> Contractor shall accelerate schedule critical activities at specified locations over the next 45 days to benefit the project's schedule. The estimated period of performance is from Mar 12, 2018 to April 25, 2018. Contractor is behind schedule. Contractor and Metro have identified work activities to accelerate that will benefit the Project's schedule.	N/A	Between \$1M and \$5M

### B) PROFESSIONAL SERVICES CONTRACTS

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

### C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

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

**REGIONAL CONNECTOR TRANSIT PROJECT**

**I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (June 1, 2018 -August 31, 2018)**

<b>A. DESIGN BUILD CONTRACT - Contract No. C0980 - REGIONAL CONNECTOR CONSTRUCTORS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>B. PROFESSIONAL SERVICES CONTRACT</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>C. OTHER AGREEMENTS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						

## II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K

### A) DESIGN BUILD CONTRACT C0980 - Regional Connector Constructors

CHANGE	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
C0980-CN-00099	REVISE 2ND/HOPE STATION PEDESTRIAN (CONSTRUCTION): Construct the 2nd/Hope Pedestrian Bridge in accordance with revised design.	110 - Extra Work	Between \$1M and \$5M
C0980-CN-00106.1	REVISIONS TO METRO COMMUNICATIONS SYSTEMS: This change revises eliminates the Fujitsu Flashwave 9500 as a Metro-Furnished Good. Contractor shall procure the Optical Network switch using Native Ethernet (10GB); re-configure the existing Gold Line Eastside Cable Transmission System (CTS) to operate via the communications room at Location 61A of Division 20; and relocate the existing Little Tokyo CTS node and associated circuits to the communications room at Location 61A of Division 20.	110 - Extra Work	Between \$500K and less than \$1M
C0980-CN-00111	ADDITIONAL ACOUSTICAL TREATMENTS FOR AREAS NOT SPECIFIED IN THE PROJECT: Construct additional acoustical treatments in all stations beyond what was indicated in the Contract Documents. This change includes approximately 92,471 SF of additional acoustical treatments.	110 - Extra Work	Between \$1M and \$5M
C0980-CN-00145	ADD WYE JUNCTION FAN PLANT (CONSTRUCTION): Construct an additional fan plant at the 1st & Alameda Junction (also referred to as the "wye") based on the following approved MODs: C0980-MOD 0033/CN 00053.2 Add "Wye" Junction Fan Plant Design Only and C0980-MOD 0087/CN-00108 Revision to Wye Junction Fan Plant Design. This work also includes the elimination of the previously designed eight tunnel booster fans with all associated mechanical, electrical and system components.	110 - Extra Work	Between \$10M and \$15M
C0980-CN-00148	PLATFORM STAND-ALONE VALIDATORS: Addition of six (6) Stand-Alone Validators at transfer station platforms.	110 - Extra Work	Between \$500K and less than \$1M
C0980-CN-00158	2ND AND BROADWAY STATION REVISED OVERBUILD DESIGN PARAMETERS (CONSTRUCTION): Contractor shall provide all necessary labor, materials, and supervision to redesign various components of the 2nd and Broadway Station, and to design and construct an overbuild load transfer system in accordance with the Revised Overbuild Loading Parameters to accommodate future development by Tribune, including relocation of the emergency stairways, ventilation shafts/ducts and other elements as needed to accommodate the Overbuild Structure Load Transfer System.	110 - Extra Work	Between \$1M and \$5M

### B) PROFESSIONAL SERVICES CONTRACTS

#### Design Support Services During Construction

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

### C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

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

**D. OTHER AGREEMENTS**

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
N/A	EXTENSION OF MANGROVE LEASE WITH CITY OF LOS ANGELES	N/A	N/A	TBD	N/A	Between \$10M and \$15M
N/A	PERMANENT EASEMENT FOR FAN PLANT AT MANGROVE	N/A	N/A	TBD	N/A	Between \$1M and \$5M
N/A	MITIGATIONS FOR ENCROACHMENT UPON LADWP SERVICE FACILITIES	N/A	N/A	TBD	N/A	Between \$1M and \$5M
N/A	PERMANENT EASEMENT FOR PLACEMENT OF MSE WALL AND BRIDGE RAMP ONTO LADWP PROPERTY	N/A	N/A	TBD	N/A	Between \$1M and \$5M

**WESTSIDE PURPLE LINE EXTENSION - SECTION 1 PROJECT**

**I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (June 1, 2018 - August 31, 2018)**

MOD/CHANGE #	DESCRIPTION	Change Type	Submission	Approval Date	Contractor's	Approved Amount
<b>A. DESIGN BUILD - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE</b>						
MOD-55	<b>Radio Subsystem Redundancy:</b> Procure and install a complete switching network to allow failover switching on Westside Purple Line Extension (WPLE) Sections 1 and 2 including redundancy of the radio system. Metro has revised the radio system to avoid a Single Point of Failure of the primary radio system.	Extra Work	6/18/2018	7/31/2018	\$1,050,509.41	\$935,096.00
MOD-57	<b>La Brea Utility hanging Changes for Sewer and Storm Drains:</b> Accommodates additional utility supports required by LABOE for the Sewer and Storm Drain Lines at the Wilshire/La Brea Station.	Extra Work	5/15/2018	6/18/2018	\$858,694.51	\$720,189.00
MOD-58	<b>La Brea - Additional Instrumentation:</b> Provides new/revised criteria that the Contactor must now use for the design and evaluation of the Support of Excavation (SOE) for the Wilshire/La Brea Station. Given the larger than expected settlement predictions, LABOE has requested additional instrumentation to be installed.	Extra Work	5/25/2018	6/14/2018	\$5,877,106.00	\$1,386,678.00
MOD-60	<b>Accommodate City of Beverly Hills (COBH) Memorandum of Agreement (MOA):</b> This Change will compensate the Design-Build Contractor for revised work hours, holiday schedule and additional mitigation measures required by the Memorandum of Agreement (MOA). Work is currently being performed under the terms of the MOA with the City of Beverly Hills (COBH).	Extra Work	6/18/2018	8/7/2018	\$20,828,391.00	\$18,993,374.00
MOD-61	<b>Additional Support of Excavation (SOE) Design Work - La Brea Station:</b> Provides new/revised criteria that the Contactor must now use for the design and evaluation of the SOE for the Wilshire/La Brea Station.	Extra Work	7/5/2018	8/1/2018	\$1,277,305.00	\$1,078,680.00
<b>A. DESIGN BUILD - CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP</b>						
	Nothing to Report This Period					
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
<b>B. PROFESSIONAL SERVICES CONTRACT</b>						
	Nothing to Report This Period					
MOD/CHANGE #	DESCRIPTION	Change Type	Submission	Approval Date	Contractor's	Approved Amount
<b>C. OTHER AGREEMENTS</b>						
	Nothing to Report This Period					



**II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K**

MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude
<b>A. DESIGN BUILD - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE</b>			
CN-43.4	<b>Isolate Track Circuits at Wilshire:</b> Design, construct, install and test new Audio Frequency (AF) Track Circuit equipment at Wilshire/Western. This new equipment will be isolated from the existing track circuit equipment. This change is issued to avoid potential safety issues related to failures of track circuits due to equipment between different manufactures, when placed into service.	Safety Conditions	Between \$500K - \$1M
CN-66	<b>La Brea - Additional Dewatering Treatment and Discharge Costs:</b> The Contractor has encountered two different 'Differing Site Conditions' (DSC) that have resulted in additional costs to operate and maintain the dewatering systems.	Extra Work	Between \$1M - \$5M
CN-67.1	<b>Tactile Guidance: Construction and Plaza Material Change:</b> This change was requested by Metro Systemwide Planning in coordination with Metro American Disabilities Act (ADA). Two tone tiles to be installed at all three stations to ensure sufficient contrast to meet ADA requirements.	Extra Work	Between \$500K - \$1M
CN-68	<b>Increased Ventilation of Station Ancillary Rooms:</b> Change to increase the ventilation requirements at the station stairs and corridor areas to accommodate surrounding soils.	Owner Design Changes	Between \$1M - \$5M
CN-72.1	<b>Stations - Art Related Changes:</b> Installation of Light-Emitting Diode (LED) lighting at the plaza level (edge of the art glass) to reduce the foot-candle requirements and art area. This change will reduce the cost of installation and Storage of Work.	Deletion of Work	Between \$500K - \$1M
CN-77.1	<b>Additional Interpretation for Building Settlement - Project Wide:</b> The additional instrumentation required by Metro and LABOE will require additional reporting and analysis by the contractor. This change will accommodate the additional analysis and reporting.	Extra Work	Between \$1M - \$5M
CN-78.1	<b>Fairfax - DWP Ductbank Conflicts with Deck Beams:</b> The location of LADWP ductbanks at Wilshire/Fairfax Station were higher than indicated on the as-built drawings. This change accommodates the mitigation efforts needed to remediate the higher ductbank.	Extra Work	Between \$500K - \$1M
CN-79	<b>Western - Property Status Change (Fee to TCE) Impacts, Parcel W-0103:</b> Accommodates the change in parcel handoff status from a 'Fee Take' to a 'Temporary Construction Easement' (TCE).	Extra Work	Between \$500K - \$1M
CN-83	<b>Western - Additional Dewatering and Treatment:</b> To accommodate the higher than expected groundwater inflows experienced at the Wilshire/Western	Extra Work	Between \$1M - \$5M
CN-84	<b>Western – Impacts from Metro SOE Deviation Request:</b> Provides new/revised criteria that the Contactor must now use for the design and evaluation of the Support of Excavation (SOE) for the Wilshire/Western Retrieval Shaft.	Extra Work	Between \$500K - \$1M
CN-87	<b>La Brea - Bracing Impacts due to DWP ductbank (ECI-004):</b> Accommodates the re-installation of four struts at Wilshire/La Brea Station due to conflicts with the existing electrical ductbanks.	Extra Work	Between \$1M - \$5M
CN-93	<b>La Brea - Center Access Shaft - Design and Construction Costs (incl ECI-003):</b> Construction of a central muck shaft on Wilshire Blvd at La Brea Station to help increase station excavation rates and facilitate material placement.	Extra Work	Between \$500K - \$1M
CN-99	<b>Oil Well Horizontal Investigation in lieu of Tunnel Boring Machine (TBM) Probe-ahead:</b> Change to accommodate horizontal directional drilling to locate abandoned oil wells.	Extra Work	Between \$1M - \$5M
CN-102	<b>Older Gas Investigation and Report:</b> Change to accommodate additional Geotechnical field work, analysis and investigation.	Extra Work	Between \$500K - \$1M
CN-122	<b>Alternative Soil Disposal:</b> This change covers the additional fees for the disposal of clean and contaminated non-hazardous soils due to the change in the Conditional Use Permit (CUP) by the County of Los Angeles.	Extra Work	Between \$5M - \$10M
TBD	<b>La Cienega SCE Line (N-S) at Hamilton Dr. to Remain:</b> This change is to accommodate identified SCE infrastructure to be protected in place until in lieu of being abandoned at the La Cienega Station area.	Extra Work	Between \$1M - \$5M
TBD	<b>Western Waterline Break (DSC):</b> Due to corrosion, an existing 8” DWP waterline pipe broke and flooded the Wilshire/Western Retrieval Shaft. This change is for draining and cleaning the Wilshire/Western Retrieval Shaft and for the appropriate support system for the 8” DWP pipe to be put into place.	Differing Site Condition	Between \$1M - \$5M
TBD	<b>Stations - Art Lighting for Escalator Walls for all Stations</b>	Extra Work	Between \$500K - \$1M
TBD	<b>Western - Electromagnetic Pulse (EMP) Interface and Networking:</b> This Change Notice (CN) allows the contractor to install the equipment required to integrate the existing Emergency Management System (EMS) at Wilshire/Western and Wilshire/Normandie Stations with the WPLE Section 1 project. This scope of work was previously to be performed by Metro Operations.	Owner Design Changes	Between \$500K - \$1M
TBD	<b>Track Crossovers - Construction:</b> This change accommodates the costs associated with installing the fully guarded crossover.	Owner Design Changes	Between \$500K - \$1M
TBD	<b>Tunnel Reach 3 - Additional Gas Testing and Assessment</b>	Safety Conditions	Between \$1M - \$5M

<b>A. DESIGN BUILD - CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP</b>			
CN-16	<b>Install Street Lights Both Sides, Trees and Drip Irrigation:</b> Site restoration in accordance with LABOE requirements.	Extra Work	Between \$500K - \$1M
<b>MOD/CHANGE #</b>	<b>DESCRIPTION</b>	<b>Change Type</b>	<b>Rough Order of Magnitude</b>
<b>B. PROFESSIONAL SERVICES CONTRACTS - DESIGN SUPPORT SERVICES DURING CONSTRUCTION - CONTRACT NO. PS43502000 - WSP USA, Inc.</b>			
	Nothing to Report This Period		
<b>B. PROFESSIONAL SERVICES CONTRACTS - CONSTRUCTION MANAGEMENT SUPPORT SERVICES - CONTRACT NO. MC071 - WESTSIDE EXTENSION SUPPORT TEAM, A JOINT VENTURE</b>			
	Nothing to Report This Period		
<b>MOD/CHANGE #</b>	<b>DESCRIPTION</b>	<b>Change Type</b>	<b>Rough Order of Magnitude</b>
<b>C. OTHER AGREEMENTS</b>			
	Nothing to Report This Period		

## WESTSIDE PURPLE LINE EXTENSION SECTION 2 PROJECT

### I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (June 1, 2018 - August 31, 2018)

<b>A. DESIGN BUILD CONTRACT - CONTRACT No. C1120 -TUTOR PERINI-O &amp; G (TPOG) A JV</b>							
MOD/CHANGE # (add CO# for Mods if available)	DESCRIPTION <small>(if the change is a unilateral, explain in <b>BOLD</b> fonts that is why this is unilateral and a modification will follow upon negotiation is finalized between Contractor and Metro).</small>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
MOD-00015	Century City Constellation Station Main Entrance (Design): Information on the main entrance at the Century City Constellation Station that was provided in the Contract Documents at the time of the RFP was based on a standard entrance configuration on the property at 1950 Avenue of the Stars in the location given in the Final EIS/EIR. The property owner was known to be planning a development, but hadn't informed Metro of its final configuration. Since then, the property owner has begun planning for its development and has been working with Metro to coordinate a station entrance that supports both the needs of the Project and the development. That coordination resulted in issuance of CN-3 in June 2017. Subsequently, the developer revised its plan necessitating changes to the proposed station entrance configuration for coordination purposes. In addition to reconfiguring the main entrance, the appendages associated with the east ancillary module that were located on 1950 Avenue of the Stars have also been reconfigured to better manage the special constraints of the development footprint of the site.	510-Owner Design Changes	8/16/2018	8/24/2018	\$1,369,735.00	\$1,258,310.30	
<b>B. PROFESSIONAL SERVICES CONTRACT</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
<b>C. OTHER AGREEMENTS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	

**II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K**

**A) DESIGN BUILD CONTRACT No. C1120 -TUTOR PERINI-O & G (TPOG) A JV**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN-14.0	Field Office Tenant Improvements at Former AAA Building (1950 Century Park East): The Project acquired a temporary construction easement on the	110 - Extra Work	Between \$1M and \$5M

**B) PROFESSIONAL SERVICES CONTRACTS**

**Design Support Services During Construction - CONTRACT PS43502000 - WSP**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost

**C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
MOD-0001	Continuation of Construction Management Services	110 - Extra Work	More than \$15M

**C. OTHER AGREEMENTS**

MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost

**WESTSIDE PURPLE LINE EXTENSION - SECTION 3 PROJECT**

**I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (June 1, 2018 - August 31, 2018)**

MOD/CHANGE #	DESCRIPTION <small>(If the change is a unilateral, explain in BOLD fonts that is why this is unilateral and a</small>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
<b>A. AUR - CONTRACT NO. C1153 - STEVE BUBALO CONSTRUCTION COMPANY</b>						
	Nothing to Report This Period					
<b>A. DESIGN BUILD - CONTRACT NO. C1152 - TBD</b>						
	Nothing to Report This Period					
<b>A. DESIGN BUILD - CONTRACT NO. C1151 - TBD</b>						
	Nothing to Report This Period					

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
<b>B. PROFESSIONAL SERVICES CONTRACT</b>						
	Nothing to Report This Period					

MOD/CHANGE #	DESCRIPTION	Change Type	Submission	Approval Date	Contractor's	Approved Amount
<b>C. OTHER AGREEMENTS</b>						
	Nothing to Report This Period					

**II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K**

MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
<b>A. AUR - CONTRACT NO. C1153 - STEVE BUBALO CONSTRUCTION COMPANY</b>			
CN-3.1	<b>Add Video Detection System &amp; Traffic Control Plan:</b> Video Detection System (VDS) was added to incorporate a CCTV fiber and complement/modify existing traffic signals in the area of construction of the New UCLA Metro Station per LADOT requirements. This contract Mod was approved by the Board on June	Outside Agency Request	Between \$500K - \$1M
<b>A. DESIGN BUILD - CONTRACT NO. C1152 - TBD</b>			
	Nothing to Report This Period		
<b>A. DESIGN BUILD - CONTRACT NO. C1151 - TBD</b>			
	Nothing to Report This Period		
MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
<b>B. PROFESSIONAL SERVICES CONTRACTS - DESIGN SUPPORT SERVICES DURING CONSTRUCTION - CONTRACT NO. PS43502000 - WSP USA, Inc.</b>			
	Nothing to Report This Period		
<b>B. PROFESSIONAL SERVICES CONTRACTS - CONSTRUCTION MANAGEMENT SUPPORT SERVICES - CONTRACT NO. MC073 - MPPC PARTNERS, A JOINT VENTURE</b>			
	Nothing to Report This Period		
MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
<b>C. OTHER AGREEMENTS</b>			
	Nothing to Report This Period		

## WILLOWBROOK/ROSA PARKS STATION IMPROVEMENTS

### I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (July 1, 2018 - September 30, 2018)

<b>A. DESIGN-BID-BUILD CONTRACT - Contract No. C1157 - ACCESS PACIFIC (Package E &amp; F)</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
MOD 1 (CN 1.1)	Deletion of Elevator and Reduction of Period of Performance – Mod 1 deleted the requirement to renovate three elevators and reduced the Period of Performance from 600 Calendar days to 210 Calendar days.	DELETION OF WORK		6/21/2018		(-\$1,550,000.00)	
MOD 2 (CN 2)	Provisional Sums – Adds Schedule B (Provisional Sums) to the Contract in the amount of \$250K.	EXTRA WORK		6/25/2018	\$250K	Under \$500K	
<b>B. PROFESSIONAL SERVICES CONTRACT</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>C. OTHER AGREEMENTS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>A. DESIGN-BID-BUILD CONTRACT - Contract No. C1161 - ICON WEST (Package A &amp; C)</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
Contract Award	Contract awarded in June 2018						
MOD 1	Modification to Contract Term and Period of Performance – Modify Contract Article VI: Contract Term and Period of Performance to include: 1) 140 Calendar days duration to Phase 3include 2) 1-Year (365 calendar days) duration of elevator/escalator maintenance from the day of Metro Final Acceptance	EXTRA WORK		7/16/2018	No Cost	No Cost	
<b>B. PROFESSIONAL SERVICES CONTRACT</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>C. OTHER AGREEMENTS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						

**II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K**

**A) DESIGN-BID-BUILD CONTRACT - Contract No. C1157 - ACCESS PACIFIC (Package E & F)**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost

	N/A as contract is just being awarded June 2018		
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**A) DESIGN BUILD CONTRACT - Contract No. C1081 - MASS ELECTRIC CONSTRUCTION COMPANY to be paid using Rosa Parks (CP 210151) funding**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN to be assigned	Systems at Willowbrook/Rosa Parks (name not yet official) -	EXTRA WORK	Between \$500K and \$1 M

**B) PROFESSIONAL SERVICES CONTRACTS**

**Design Support Services During Construction - N/A**

CHANGE	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	N/A		

**C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
LTK Contract – PS8510-3001 Task Order (TO) 16	Construction Management Support Services (CMSS) – This Task Order is to provide Estimating, Design Support During Construction (DSDC) and other CMSS services	EXTRA WORK	Between \$5M and \$10M
Destination Enterprises Contract – PS26445 Task Order (TO) 16	CMSS – This Task Order is to provide an Office Engineer and Project Control services.	EXTRA WORK	Between \$5K and \$1M
KKCS Contract – AE35279 Task Order (TO) 19	CMSS – Task Order 19 is to provide Project Management Support CMSS Support – Cost of Task Order 19 is to be shared (or split) among Projects 205108, 205115, and 210151	EXTRA WORK	Between \$5K and \$1M



## METRO BLUE LINE SIGNAL SYSTEM REHABILITATION

### I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (July 1, 2018 - September 30, 2018)

A. DESIGN BUILD CONTRACT - Contract No. C1081 - MASS ELECTRIC CONSTRUCTION COMPANY							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
B. PROFESSIONAL SERVICES CONTRACT							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	No approved Mods in July						
C. OTHER AGREEMENTS							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	No approved Mods in July						

**II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K**

**A) DESIGN BUILD CONTRACT - Contract No. C1081 - MASS ELECTRIC CONSTRUCTION COMPANY**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN002	<u>Non-Vital Relays Replacements and Implementations of the Aspect Configurations -</u> This CN is for modifications on the Train Control scope to include the replacement of the existing non-vital relays for the existing interlockings and to complete the aspect configurations modifications for the entire Blue Line. Contract Documents Affected: Scope Modifications to Section 01 11 00 Scope of Work Drawings Nos. TC-100 thru TC-1 20 and TC-122 thru TC-140	EXTRA WORK	Between \$1M and \$5M
CN3.1 (Replaces CN 3 and lowers value)	<u>OCS Work Scope in Los Angeles Central Business District –</u> This CN is for Modifications on the Overhead Catenary System (OCS) scope to include: 1) The replacement of the contact wire(s) for the MBL/Expo Junction 2) Lowering of the conductor wire at Flower Venice crossing 3) Replace existing OCS under the 1-10 structure to Overhead Contact Rail (OCR) The Los Angeles Central Business District (CBD) from intersection of Flower and Venice to the intersection of Flower/18th Street and the MBL/Expo Junction.	EXTRA WORK	Under \$500K
CN004 (Cancelled and to be removed from next report)	<u>Fire Suppression in the New Train Control Bungalows –</u> This CN is for Modifications on the Train Control Scope to include the installation of the clean agent fire suppression system in the new train control bungalows. Documents affected: Scope Modifications to Section 01 11 00 of the Scope of Work, Subsection 1.03.A.3	EXTRA WORK	Between \$500K and \$1M
CN005 (CN number not yet formally assigned)	<u>Solution to Discrepancies between Service Drawings and As-Builts -</u> This CN is in response to RFI 16. At new Slauson interlocking, Mass Electric noticed Florence interlocking has discrepancies between the as-in service drawings located in the TC&C bungalow, and the as-built Control lines. Scope Modifications to Section 01 11 00 Scope of Work	EXTRA WORK	Between \$1M and \$5M
CN006 (Replaces CN 4 which was cancelled - there is no CN 5)	<u>Train Control at Florence C&amp;S Bungalow –</u> This CN is for Modifications on the Train Control Scope to include the installation of the clean agent fire suppression system in the new train control bungalows. Documents affected: Scope Modifications to Section 01 11 00 of the Scope of Work, Subsection 1.03.A.3	EXTRA WORK	Between \$1M and \$5M

**B) PROFESSIONAL SERVICES CONTRACTS**

Design Support Services During Construction - N/A			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	N/A		

**C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS**

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
LTK Contract – PS8510-3001 Task Order (TO) 16	CMSS Support – This Task Order is to provide Estimating, Design Support Suring Construction (DSDC) and other CMSS services LTK Task Order 16 will split costs with Project 205115		
Destination Enterprises Contract – PS26445 Task Order (TO) 16	CMSS Support – This Task Order is to provide an Office Engineer and Project Control services.		
KKCS Contract – AE35279 Task Order (TO) 19	CMSS Support – Task Order 19 is to provide Project Management Support CMSS Support – Cost of Task Order 19 is to be shared (or split) among Projects 205108, 205115, and 210151		

## METRO BLUE LINE TRACK AND SYSTEM REFURBISHMENT

### I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (July 1, 2018 - September 30, 2018)

<b>A. DESIGN BUILD CONTRACT - Contract No. C1168 - Rail Works Track Services, Inc</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
N/A	Contract Award for \$67,953,655	N/A				\$67,953,655.00	
<b>B. PROFESSIONAL SERVICES CONTRACT</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						
<b>C. OTHER AGREEMENTS</b>							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						

## II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K

### A) DESIGN BUILD CONTRACT - Contract No. C1168 - Rail Works Track Services, Inc.

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN002	Order Quantities for Summary of Work Spec Section 1.02E, 1.02F, 1.02G, 1.02 I.2 , 1.02 I.3, 1.02 I.4, and 1.02N -	EXTRA WORK	Between \$10M and \$15M
CN003	Addition of Six (6) Manholes to New Duct Bank Alignment – This CN is to add six existing manholes to Blue Line Train control :	EXTRA WORK	Under \$500K

### B) PROFESSIONAL SERVICES CONTRACTS

#### Design Support Services During Construction - N/A

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	N/A		

### C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
LTK Contract – PS8510-3001 Task Order (TO) 16	CMSS Support – This Task Order is to provide Estimating, Design Support Suring Construction (DSDC) and other CMSS services. The cost of this Task Order will be shared with Project 205108.	EXTRA WORK	Under \$500K
Destination Enterprises Contract – PS26445 Task Order (TO) TBD	CMSS Support – This Task Order is to provide an Office Engineer and Project Control services.	EXTRA WORK	Under \$500K
KKCS Contract – AE35279 Task Order (TO) TBD	CMSS Support – This Task Order is to provide Project Management Support and Configuration Management/Document Control	EXTRA WORK	Under \$500K