



Board Report

File #: 2018-0780, **File Type:** Contract

Agenda Number: 32.

**CONSTRUCTION COMMITTEE
JANUARY 17, 2019**

SUBJECT: PROGRAM MANAGEMENT QUARTERLY CHANGE REPORT

ACTION: RECEIVE AND FILE

RECOMMENDATION

RECEIVE AND FILE status report on Program Management Quarterly Change Report.

BACKGROUND

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.

DISCUSSION

The change activities for the reporting period between September 1, 2018 and November 30, 2018 are included in Attachment A.

FINANCIAL IMPACT

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

IMPLEMENTATION OF STRATEGIC PLAN GOALS

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 December 1, 2018 through February 28, 2019 and will be presented to the April 2019 Construction Committee.

ATTACHMENTS

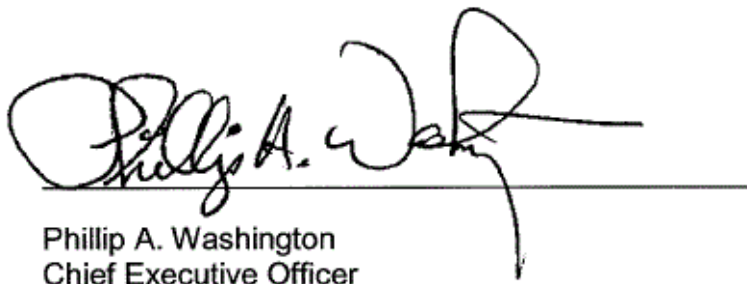
Attachment A - Quarterly Change Report for Reporting Period of September 1, 2018 - November 30, 2018.

Prepared by:

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Phillip A. Washington
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CRENSHAW/LAX TRANSIT PROJECT

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

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	
MOD-00335.1 cancels & supersedes CO180.1	<u>Cable Transmission System Update - Construction</u> : construct a Cable Transmission System 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) Tx/Rx cards. Two (2) Tx/Rx cards serve Cable A and Cable B North transmissions to 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	02/02/18	10/3/2018	\$1,180,296.41	\$1,180,296.41	
MOD-00339.1 Cancels & Superseded CO204	<u>Radio Redundancy Radio Rooms</u> : Contractor shall provide labor, materials and equipment to construct two new radio rooms at Underground (UG) Guideways UG-1 and UG-3.	110 - Extra Work	2/5/2018	10/2/2018	\$887,901.05	\$846,316.00	
MOD-00392 cancels & supersedes CO169, CO170, CO183, CO184, CO185, CO191, CO192, CO196	<u>Various Power Feeds</u> : to install the duct bank providing power to various Traction Power Sub Stations (TPSS), Train Control and Communication (TCC) and auxiliary power sites	110 - Extra Work	9/18/2018	10/18/2018	\$926,468.00	\$936,104.51	
CO-00175.3	<u>Underground Conduit and cable for Twenty (20) UG3 and UG4 Tunnel Booster</u> : WSCC and its subcontractors shall provide elements of the two (2) UG1 Gas Mitigation Fans (GMF) and the four (4) UG4 and sixteen (16) UG3 Tunnel Booster Fan (TBF) work Metro believes to be impacted by the UL 2196 delisting and includes authorization to begin procurement of materials and immediate construction thereof. In addition, this Change Order also considers the effects of RFSC #10 that is in the process of being approved by Metro's FLS Department (the AHJ).	710 - Outside Agency Request	11/2/2018	10/4/2018	\$10,035,099.47 *	\$671,376.00	

* The Party is still negotiating on final amount. The revised proposal was submitted on November 2, 2018 and a change order was issued on October 4, 2018 to authorize start of work.

II. PENDING MODIFICATIONS/CHANGES GREATER THAN \$500K (September 1, 2018 - November 30, 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 TCO Services:</u> This credit change is to back charge WSCC for Traffic Control Officers (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
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-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 (September 1, 2018 - November 30, 2018)

A. DESIGN BUILD CONTRACT - Contract No. C0980 - REGIONAL CONNECTOR CONSTRUCTORS							
MOD/CHANGE #	DESCRIPTION <small>(if the change is a unilateral, explain in BOLD fonts)</small>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
Mod 129	REVISIONS TO METRO COMMUNICATION SYSTEM - 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	9/26/2018	10/25/2018	\$786,394.00	\$776,237.00	
Change Order 23	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 Change Order issued to allow Contractor to procure long lead items while remaining work is negotiated.	110 - Extra Work	9/16/2018	11/2/2018	\$5,595,767.00	NTE \$1,200,000.00	

B. PROFESSIONAL SERVICES CONTRACT							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						

C. OTHER AGREEMENTS							
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 NOTICE/ORDER #	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-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: Contractor shall modify the Stations to accommodate installation of six (6) Stand-Alone Validators (SAVs) on the platforms. Provide and install communication conduit, with pull strings, from each SAV to the TC&C room. Provide and install power conduit and cable, from each SAV to the East and West power panels. Provide additional 20-amp 1-pole breakers and/or reassign spare breakers as indicated. Contractor shall allow for a load of 35 Watts per SAV; Accommodate SAV base opening 6" wide by 4" deep for power and communication conduits; Metro will furnish and install SAVs in a similar manner as for other UFS equipment.	110 - Extra Work	Between \$500K and \$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
C0980-RFC-140	LEAKING LA TIMES PARKING GARAGE WATER TANK: Contractor's RFC covers cost impacts on SOE and station excavation due to the leaking water tank in the LA Times parking garage.	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 (September 1, 2018 - November 30, 2018)

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
A. DESIGN BUILD - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE						
	None					
A. DESIGN BUILD - CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP						
	None					

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
B. PROFESSIONAL SERVICES CONTRACT						
	None					

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
C. OTHER AGREEMENTS						
	None					

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

MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
A. DESIGN BUILD - CONTRACT NO. C1045 - SKANSKA-TRAYLOR-SHEA, A JOINT VENTURE			
CN-66	<u>La Brea - Additional Dewatering Treatment and Discharge Costs</u> : 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	<u>Tactile Guidance: Construction and Plaza Material Change</u> : This change was requested by Metro Systemwide Planning in coordination with Metro 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	<u>Increased Ventilation of Station Ancillary Rooms</u> : Change to increase the ventilation requirements at the station stairs and corridor areas to accommodate surrounding soils.	Owner Design Changes	Between \$1M - \$5M
CN-72.2	<u>Stations - Art Related Changes</u> : Installation of 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	<u>Additional Interpretation for Building Settlement - Project Wide</u> : 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	<u>Fairfax - DWP Ductbank Conflicts with Deck Beams</u> : 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	<u>Western - Property Status Change (Fee to TCE) Impacts, Parcel W-0103</u> : Accommodates the change in parcel handoff status from a 'Fee Take' to a 'Temporary Construction Easement' (TCE).	Extra Work	Between \$500K - \$1M
CN-83	<u>Western - Additional Dewatering and Treatment</u> : To accommodate the higher than expected groundwater inflows experienced at the Wilshire/Western shaft.	Extra Work	Between \$1M - \$5M
CN-84	<u>Western - Impacts from Metro SOE Deviation Request</u> : 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	<u>La Brea - Bracing Impacts due to DWP ductbank (ECI-004)</u> : 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	<u>La Brea - Center Access Shaft - Design and Construction Costs (incl ECI-003)</u> : 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	<u>Oil Well Horizontal Investigation in lieu of TBM Probe-ahead</u> : Change to accommodate horizontal directional drilling to locate abandoned oil wells.	Extra Work	Between \$1M - \$5M
CN-102	<u>Goldier Gas Investigation and Report</u> : Change to accommodate additional geotechnical field work, analysis and investigation.	Extra Work	Between \$500K - \$1M
CN-119	<u>Tunnel Reach 3 - Additional Gas Testing and Assessment</u> : This CN covers the costs for the Contractor to conduct additional gas testing to determine the extent and efficiency of the contractors proposed methods of extraction.	Extra Work	Between \$1M - \$5M
CN-122	<u>Alternative Soil Disposal</u> : 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	<u>Stations - Art Lighting for Escalator Walls for all Stations</u>	Extra Work	Between \$500K - \$1M
TBD	<u>Western - EMP interface and Networking</u> : This 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	<u>Track Crossovers - Construction</u> : This change accommodates the costs associated with installing the fully guarded crossover.	Owner Design Changes	Between \$500K - \$1M
TBD	<u>Fairfax - Change to Paleo Zone Excavation Restrictions (Elevations & Depth)</u>	Differing Site Condition	Between \$500K - \$1M

TBD	<u>Isolate Track Circuits at Wilshire/Western Part 2</u> : This change has been implemented to avoid potential safety hazards related to track circuit failures when equipment is mixed between two different manufacturers.	Safety Condition	Between \$500K - \$1M
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A. DESIGN BUILD - CONTRACT NO. C1078 - CLARK CONSTRUCTION GROUP

CN-16	<u>Install Street Lights Both Sides, Trees and Drip Irrigation</u> : Site restoration in accordance with LABOE requirements.	Extra Work	Between \$500K - \$1M
TBD	<u>Revised LID Construction Costs</u> : Two (2) contaminated groundwater plumes were discovered under the future Location 64 site. This change was implemented in order to comply with EPA and City of Los Angeles LID (Low Impact Development) ordinance for stormwater management.	Differing Site Condition	Between \$500K - \$1M

B. PROFESSIONAL SERVICES CONTRACTS - DESIGN SUPPORT SERVICES DURING CONSTRUCTION - CONTRACT NO. PS43502000 - WSP USA, Inc.

	None		
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B. PROFESSIONAL SERVICES CONTRACTS - CONSTRUCTION MANAGEMENT SUPPORT SERVICES - CONTRACT NO. MC071 - WESTSIDE EXTENSION SUPPORT TEAM, A JOINT VENTURE

	None		
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C. OTHER AGREEMENTS

	None		
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WESTSIDE PURPLE LINE EXTENSION SECTION 2 PROJECT

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

A. DESIGN BUILD CONTRACT - CONTRACT No. C1120 -TUTOR PERINI-O & G (TPOG) A JV							
MOD/CHANGE # (add CO# for Mods if available)	DESCRIPTION (if the change is a unilateral, explain in BOLD fonts)	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
MOD-026	Santa Monica Boulevard Bus Layover Design and Construction Changes: Maintaining the existing bus stop and shifting the new bus layover facility to the east takes advantage of available space that provides more layover capacity and improves bus throughput and operations in a congested corridor. The diversion of buses from the existing layover facility to this new layover facility significantly increases the number of buses that need to make this U-turn movement. The addition of the protected left turn signal greatly enhances the safety of bus movements and improves bus operations. The accompanying new turn pocket provides the ability to distinguish between straight and left turning buses which will also minimize overall traffic delays and queuing. The additional street lights for the bus layover is a safety enhancement required by the City of Los Angeles per the Master Cooperative Agreement and per the bus layover easement.	110 - Extra Work	10/17/2018	11/2/2018	\$1,602,334.00	\$1,345,904.00	

B. PROFESSIONAL SERVICES CONTRACT							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
MOD-001	Continuation of Construction Management Services: Continue to provide Construction Management Support Services (CMSS) for the 2019 and 2020 Fiscal Years. An analysis has been done of the Design/Builder's construction schedule and the technical and non-technical oversight support will be required at the field offices to assist Metro in managing the C1120 Contract. Los Angeles County Metropolitan Transportation Authority (Metro) will benefit from this because Metro does not have the appropriate in-house staff to self-perform this work.	110- Extra	10/22/2018	11/28/2018	\$26,770,937.70	\$24,020,080.00	

C. OTHER AGREEMENTS							
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 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 property located at 1950 Century Park East which is owned by the Automobile Club of Southern California ("AAA"). The office building will be used by the project team as its field office during the period of construction, as such, it will require tenant improvements to accommodate the team.	110 - Extra Work	Between \$1 and \$5 M
CN-35.0	Revision to the Average Depth of Seismic Borings along Wilshire Blvd on Tunnel Reach 5: The 20 planned and required borings were divided into two phases with 10 borings each. The borings in Phase 1 are now complete. The findings from Phase 1 were then used to refine the proposed depths and locations of the remaining Phase 2 borings. The total number of borings remains the same, but the average depth was increased by 50 feet. This change is necessary in order to complete the geotechnical investigation needed to determine the potential placement of additional special tunnel liner. Metro benefits because the new average depth will improve our ability to find critical information about where and how the seismic fault may cross the WPLE2 alignment at a second location.	110 - Extra Work	Between \$500K and \$1M
TBD	Century City Constellation Station Main Entrance - Construction: When the Project Definition Document layout and details were prepared, the plans for the JMB development did not have a clear and definitive scope for the JMB project. Consequently, the exact location for the station entrance could not be determined. JMB now has more definitive plans, and in-close coordination with Metro, the final station entrance location has been established.	110 - Extra Work	Between \$5 M and \$10 M
TBD	Constellation Station West Ancillary and OPE Reconfiguration - Construction: The Over Platform Exhaust (OPE) included in the Project Definition Documents drawings is shown with exhaust gratings to be located in an appendage beyond ROW (across from Solar Way). Metro Rail Design Criteria (MRDC), Rev 4 changes now require flow velocity calculation based on the maximum gross area of grating instead of net area of grating not to exceed 1000'/min. This reduces the grating from 833 ft to 500 ft which can be accommodated within the sidewalks north and south on Constellation Boulevard.	120 - Deletion of Work	TBD (Credit)

B) PROFESSIONAL SERVICES CONTRACTS

Design Support Services During Construction - CONTRACT PS43502000 - WSP			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
CN-67.0	Continuation of Engineering Support Services During Construction for WPLE Section 2 (through December 2020): The overall final design progress for the C1120 Contract is at about 90% complete and construction activities have begun. Concurrently, advanced utility relocations will continue to the end of FY19 in support of the C1120 contract. This modification is necessary to continue engineering services during construction for advanced utility relocations and for engineering services during design and construction by the C1120 design/build contractor.	110 - Extra Work	More than \$15 M

C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

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

C. OTHER AGREEMENTS

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

WESTSIDE PURPLE LINE EXTENSION - SECTION 3 PROJECT

I. APPROVED MODIFICATIONS/CHANGES GREATER THAN \$500K IN THIS REPORTING PERIOD (September 1, 2018 - November 30, 2018)							
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	
A. DESIGN BUILD - CONTRACT NO. C1151 - FRONTIER-KEMPER/TUTOR PERINI JV							
	None						
A. DESIGN BUILD - CONTRACT NO. C1152 - TBD							
	None						
A. AUR - CONTRACT NO. C1153 - STEVE BUBALO CONSTRUCTION COMPANY							
MOD-2.1	Add Video Detection System & Traffic Control Plan: 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 21, 2018.	Outside Agency Request	10/3/2018	10/17/2018	\$573,903.99	\$567,554.00	
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
B. PROFESSIONAL SERVICES CONTRACT -							
	None						
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
C. OTHER AGREEMENTS							
	None						

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

MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
A. DESIGN BUILD - CONTRACT NO. C1151 - FRONTIER-KEMPER/TUTOR PERINI JV			
	None		
A. DESIGN BUILD - CONTRACT NO. C1152 - TBD			
	None		
A. AUR - CONTRACT NO. C1153 - STEVE BUBALO CONSTRUCTION COMPANY			
	None		
MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
B. PROFESSIONAL SERVICES CONTRACTS - DESIGN SUPPORT SERVICES DURING CONSTRUCTION - CONTRACT NO. PS43502000 - WSP USA, Inc.			
	None		
B. PROFESSIONAL SERVICES CONTRACTS - CONSTRUCTION MANAGEMENT SUPPORT SERVICES - CONTRACT NO. MC073 - MPPC PARTNERS, A JOINT VENTURE			
	None		
MOD/CHANGE #	DESCRIPTION	Change Type	Rough Order of Magnitude
C. OTHER AGREEMENTS			
	None		

METRO BLUE LINE SIGNAL SYSTEM REHABILITATION

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

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

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
SECOTRANS Contract AE47810 Task Order 6	Task Order 6 to SECOTRANS for Rail Systems Engineering Support Cost is being shared with other projects, but Project 205018 share is 1,000,000	Extra work	9/5/2018	10/5/2018	\$1,000,000.00	\$1,000,000.00

C. OTHER AGREEMENTS

MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount
REQ28559	Operations issued a \$2,357,005 requisition to create a purchase order for TWINCO MFG. INC. to purchase relay equipment. This equipment will NOT be purchased under construction contract C1081.	n/a	n/a	n/a	n/a	Between \$1M and \$5 M

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 \$5 M
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 \$1 M
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 \$5 M
CN006 (Replaces CN 4 which was cancelled - there is no CN 5)	<u>Train Control at Florence C&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 \$5 M

B) PROFESSIONAL SERVICES CONTRACTS

Design Support Services During Construction - N/A			
CHANGE	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		

METRO BLUE LINE TRACK AND SYSTEM REFURBISHMENT

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

A. DESIGN BUILD CONTRACT - Contract No. C1168 - Rail Works Track Services, Inc							
MOD/CHANGE #	DESCRIPTION <small>(if the change is a unilateral, explain in BOLD fonts)</small>	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
Change Order (CO) 1 (CN005)	This Change Order authorizes funding to assist the Contractor for procurement of materials to meet the project schedule. Modify Specifications Section 01 11 00 Paragraph 1.03-A.1 .h as follows (only final sentence is new): "h. Inspect rail and determine if existing rail is to be reused or if new rail is to be installed. The contractor should assume that 50% of running rail within work area will need to be replaced. See Section 01 1219 for material supplied by Metro. Contractor shall supply all other material necessary to complete work. Replacement rail shall be head-hardened and comply with the requirements of Section 34 11 13. Contractor shall purchase remaining 50% of running rail within work area."	EXTRA WORK	11/20/2018	11/20/2018	n/a	\$660,320.00	

B. PROFESSIONAL SERVICES CONTRACT							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
Task Order 17	Under Contract PS46172000 , Operations issued Task Order 17 to Gannet Flemming to provide Signal Aspect Standard (Train Control) services.	EXTRA WORK	10/3/2018	11/12/2018	\$551,714.00	\$551,714.00	

C. OTHER AGREEMENTS							
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
CN006	Contractor shall replace, supply and install trackwork for the EXPO/MBL junction referenced in the Contract Summary of Work Spec Section 01 11 00 – (1.02-B and 1.03-B) in conformance with the revised drawing packages with revisions dated August 28, 2018 and September 5, 2018. This revised package includes: EXPO/MBL Junction: - Design revision to WBM style (monoblock) - Revision to Note 8 on Drawing T-302: tie arrangement to be constructed per manufacturer's drawings. - Addition of drawing T-302A RTD-1 Wheel Profile - Revisions to include installation of Alstom 5E Switch Machine instead of M23	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
	None		

C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
SECOTRANS Contract AE47810 Task Order 6	Task Order 6 to SECOTRANS for Rail Systems Engineering Support Cost is being shared with other projects, but Project 205115 share anticipated to be between \$500K and \$1M	EXTRA WORK	Between \$1M and \$5M

WILLOWBROOK/ROSA PARKS STATION IMPROVEMENTS

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

A. DESIGN-BID-BUILD CONTRACT - Contract No. C1157 - ACCESS PACIFIC (Package E & F)							
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. C1081 - MASS ELECTRIC CONSTRUCTION COMPANY to be paid using Rosa Parks (CP 210151) funding and therefore reported here							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
MOD 2 (CN005)	Willowbrook/Rosa Parks Train Control (TC) Modifications: Extension of the Blue Line Platform is forcing the systems components to be moved. Staff will issue a Contract Modification to the existing Resignaling Contract C1081 to perform system-related work after the Blue Line Platform is extended by Contract C1161. Work is being done under Contract C1081 because Contract C1161 does not have the expertise to perform the necessary systems-related work.	EXTRA WORK	6/22/2018	6/22/2018	\$636,305.00	\$635,452.00	

A. DESIGN-BID-BUILD CONTRACT - Contract No. C1161 - ICON WEST (Package A & C)							
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	
	None						

C. OTHER AGREEMENTS							
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
	None		

A) DESIGN-BID-BUILD CONTRACT - Contract No. C1161 - ICON WEST (Package A & C)

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

B) PROFESSIONAL SERVICES CONTRACTS

Design Support Services During Construction - N/A			
CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
TBD	Cubic - Fare Equipment - Changes for Package A and Package C	EXTRA WORK	Between \$1M and \$5 M

C) CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONTRACTS

CHANGE	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
	None		

PATSAOURAS PLAZA BUSWAY STATION

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

A. DESIGN BUILD CONTRACT - Contract No. C0970 - OHL							
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 CONTRACT							
MOD/CHANGE #	DESCRIPTION	Change Type	Submission Date	Approval Date	Contractor's Proposed Amount	Approved Amount	
	None						

C. OTHER AGREEMENTS							
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. C0970 - OHL

CHANGE NOTICE/ORDER #	DESCRIPTION	Change Type	Rough Order of Magnitude Cost
Settlement – CN or Mod number not yet assigned	<u>Settlement of Claim for the Work Stoppage:</u> This settlement will result in a modifications to Contract C0970 to compensate OHL for of the following items: 1) OHL's work stoppage due to environmental concerns 2) Escalation 3) Global Impacts and Inefficiencies 4) Claims filed before the work stoppage	EXTRA WORK	Between \$1M and \$5 Million

B) PROFESSIONAL SERVICES CONTRACTS

Design Support Services During Construction - N/A			
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		