## Program Management Major Project Status Report

Presented By

#### **Richard Clarke**

Chief Program Management Officer



#### PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX	$\Diamond$	$\Diamond$	The remaining cost contingency is below 2% of the total project budget (\$38 million in contingency remains). Contractor is 40 days behind schedule and is required to mitigate schedule to maintain planned revenue service in October 2019.
Regional Connector	ОК	ОК	Project is 45% complete and proceeding on schedule forecast and within Life of Project (LOP) budget.
Westside Purple Line Extension-Section 1	ОК	ОК	Project is 27% complete, no significant issues.
Westside Purple Line Extension-Section 2	OK)	ОК	Project is 5% complete with no significant issues.
Westside Purple Line Extension-Section 3	ОК	ОК	Requested entry into the Engineering Phase from the FTA in April 2017. Sent request for Letter of No Prejudice (LONP) for the tunnel contract to FTA in September 2017. Awaiting FTA approval.
Patsaouras Plaza	ОК	$\Diamond$	Project 46% complete with approved substantial completion date of December 2018.
Willowbrook/Rosa Parks Station	ОК	OK)	Design activities progressed to 100% complete and in final reviews.
Metro Blue Line Projects	ОК	OK OK	Pedestrian Swing Gate project 90% complete. MBL Signal Rehab project has just started at 10% completion. City of Long Beach Fare Gates Design 100% complete.

February 2018

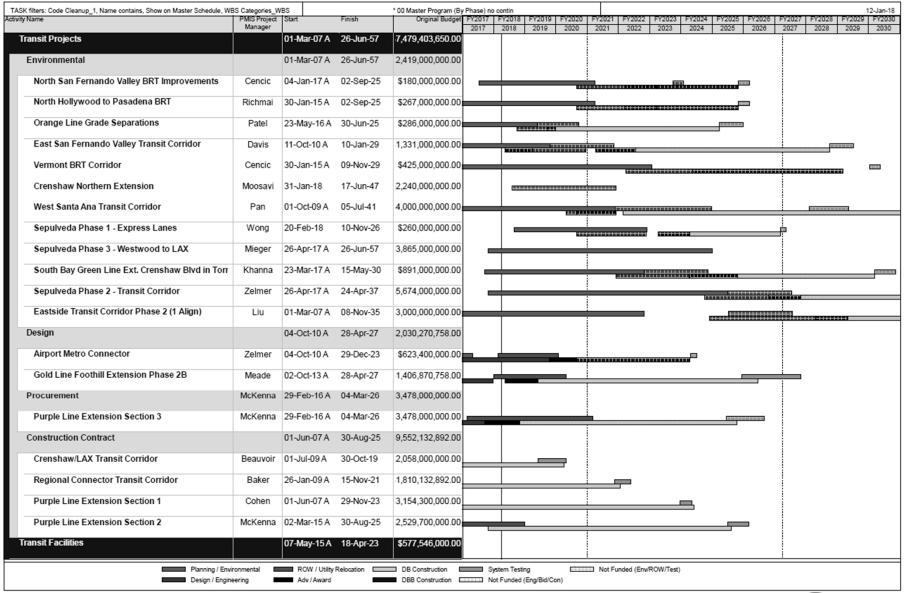
On target

Possible problem

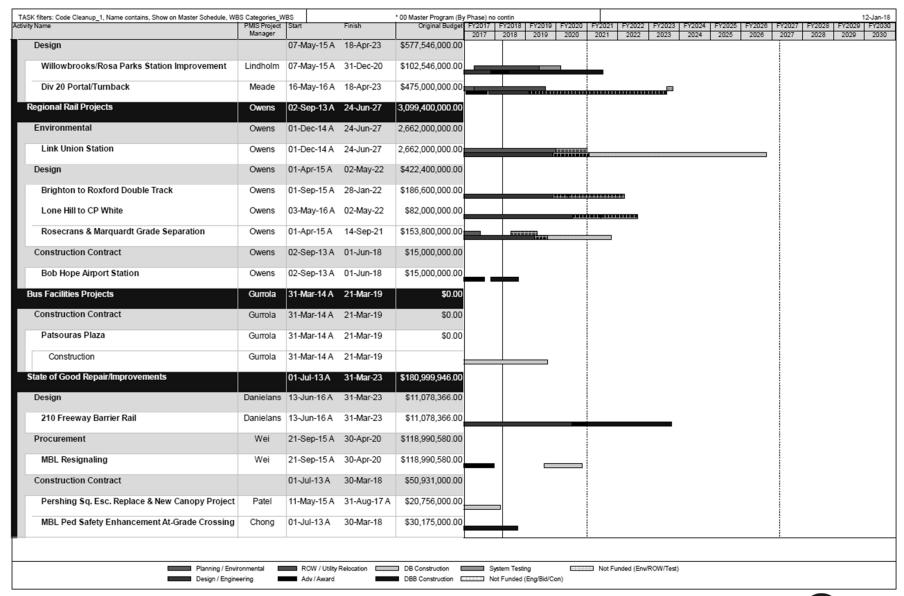




#### **TRANSIT MASTER SCHEDULE (Page 1 of 2)**



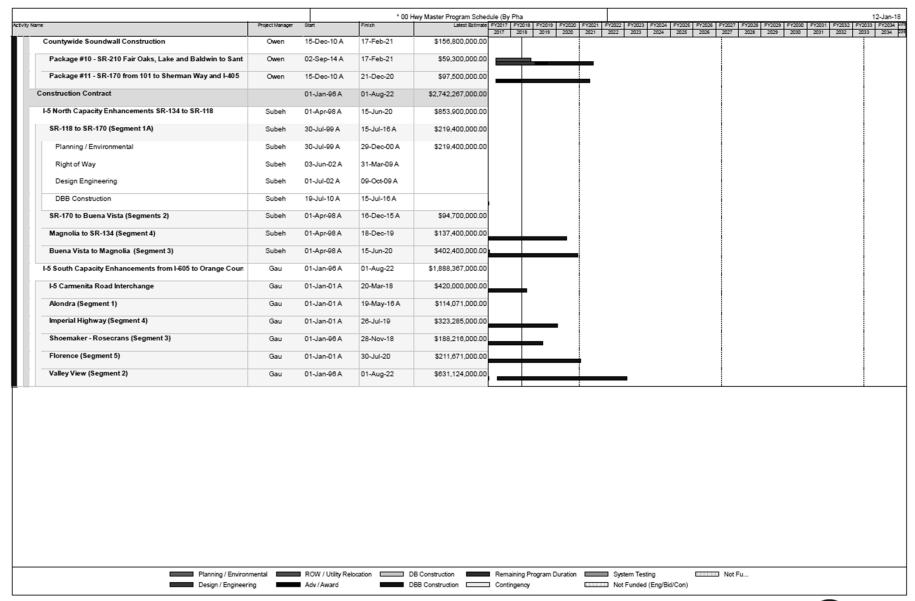
#### **TRANSIT MASTER SCHEDULE (Page 2 of 2)**



### **HIGHWAY MASTER SCHEDULE (Page 1 of 2)**



#### **HIGHWAY MASTER SCHEDULE (Page 2 of 2)**



## **CRENSHAW/LAX TRANSIT PROJECT**

**♦** BUDGET

TOTAL COST

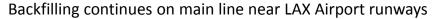
Current Forecast \$2,058M \$2,058M

♦ SCHEDULE

REVENUE Current Forecast OPERATION Oct 2019

- Overall Project Progress is 77% complete; contractor needs to mitigate 40 days schedule delay
- Major initial interface effort commenced on January 26, 2018 for the Green Line tie-in to Crenshaw/LAX Line. Planned closure from January 26 to April 7, 2018 of Green Line at Aviation Station to end of line.
- Contractor continues critical track work installation along southern area of alignment
- Contractor continues concrete wall and roof placements for cut-and-cover tunnel and the three underground stations along Crenshaw Boulevard
- The Southwestern Yard Maintenance Facility is progressing ahead of schedule



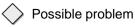




Concourse level columns and walls at Leimert Park Station

February 2018









#### REGIONAL CONNECTOR TRANSIT PROJECT



#### **BUDGET**

TOTAL COST Current Forecast \$1,810M \$1,810M

\* Includes Board approved LOP plus finance costs.

- Overall Project Progress is 45%
- Tunneling: Second tunnel completed; dismantling of the Tunnel Boring Machine (TBM) underway
- Little Tokyo/Arts District Station: Under steady state;
   construction resuming after removal of TBM
- Historic Broadway Station: Underpinning of LA Times
   Building, and excavation continue under steady state
- Grand Av Arts/Bunker Hill Station: Permanent invert and wall construction underway
- Flower Street: Utility relocations, support of excavation, decking and excavation continue; moveable noise and visual barriers erected at four locations



**SCHEDULE** 

Current
REVENUE Dec 2021
OPERATION

Forecast Dec 2021



Excavation of 20" waterline on Central Avenue



Tieback installation at Historic Broadway Station

February 2018



On target



Possible problem





#### **WESTSIDE PURPLE LINE EXTENSION – SECTION 1**



**TOTAL COST\*** 

Current \$3.154M Forecast \$3,154M

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**SCHEDULE** 

REVENUE Oct 2024
OPERATION (FFGA)

Forecast Nov 2023

\* Includes Board approved LOP plus Finance costs.

- Overall Project Progress is 27% complete.
- Support of Excavation (SOE) pile installation began at the Wilshire/Western Retrieval Shaft in December 2017. Decking in this area is anticipated to start in February 2018.
- Wilshire/La Brea Station dewatering activities, grounding grid installation and HDPE installation are on going. Station structural concrete activities are scheduled to begin in January 2018.
- At the Wilshire/Fairfax Station, station excavation and the installation of walers and struts are on-going.
- Street decking at Wilshire/La Cienega Station commenced on the weekend of October 6, 2017. This operation was completed on January 8, 2018.
- Tunnel Boring Machines (TBMs) were delivered to Los Angeles in December 2017 and will be taken to the contractor's Riverside storage site until needed. Tunneling is planned to start in August of 2018.



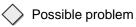
Wilshire/La Brea Station



Wilshire/La Cienega Decking Operation

February 2018







Major issue



Los Angeles County Metropolitan Transportation Authority



Metro

#### WESTSIDE PURPLE LINE EXTENSION – SECTION 2

OK) BUDGET

Current \$2,530M **Forecast** \$2,530M

**TOTAL COST\*** 

\* Includes Board approved LOP plus Finance costs.

- Overall project progress is 5% complete.
- Design progress is 47% complete.
- Century City Constellation: Southern California Gas (SCG) completed work in November 2017. AT&T and LADWP (Power) utility relocations are underway.
- Wilshire/Rodeo: Southern California Edison (SCE) civil work completed in November 2017, and cable pulling and splicing completed in January 2018. SCG and AT&T began in late January 2018.
- Negotiations with the City of Beverly Hills (COBH) for an MOA for the C1120 Contract began in August 2017 and are anticipated to complete by April 2018.



Current **Dec 2026**  **Forecast** Aug 2025

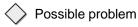
REVENUE

OPERATION (FFGA)



AT&T CA manhole Installation in Century City









#### **WESTSIDE PURPLE LINE EXTENSION – SECTION 3**

**BUDGET** 

**TOTAL COST** 

Current TBD Forecast \$3,478M

⊚ SC

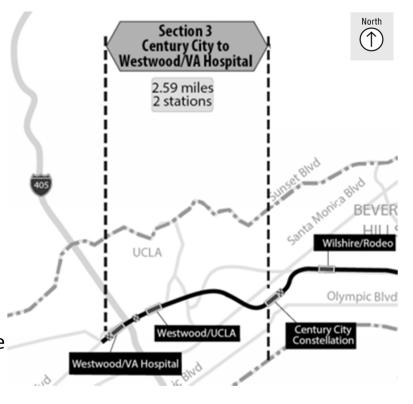
**OPERATION** 

**SCHEDULE** 

Current TBD

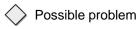
Forecast March 2026

- Request for Letter of No Prejudice (LONP) for the Tunnel Contract was submitted to the FTA on September 11, 2017.
- Construction Management Support Services (CMSS)
   Contract was executed on November 29, 2017.
- C1151 Tunnel Contract Technical proposals were received on November 13, 2017, and price proposals are anticipated in early 2018.
- C1152 Stations, Trackwork and Systems Contract Request for Qualifications (RFQ)/Request for Proposals (RFP) was issued on September 15, 2017. Qualifications from respondents were received on November 20, 2017.
- C1153 Advanced Utility Relocations (AUR) Contract Notice to Proceed (NTP) was issued on January 2, 2018.



February 2018









#### PATSAOURAS PLAZA BUSWAY STATION

**OK BUDGET** 

**TOTAL COST** 

Current \$39.7M Forecast \$39.7M

 $\Diamond$ 

**SCHEDULE** 

SUBSTANTIAL COMPLETION

Current Nov 2018 Forecast Dec 2018

- Native bone find requires Native American monitoring of construction activities
- Pedestrian overcrossing design complete, elevator foundations pending redesign due to garage conflict
- All bridge falsework complete and concrete pours pending Caltrans FW certification
- Installation of bridge post-tensioning, deck drains and rebar complete
- Vignes Street on/off-ramp intermittent non-peak closures ongoing
- Falsework over Center Street complete, concrete pour to be scheduled for nighttime work
- Working with contractor to expedite negotiated project schedule delays and request for changes



Aerial view of project site

**Bridge Deck - Left Side** 

February 2018



On target

> Possible problem



Major issue



Metro 12

## WILLOWBROOK/ROSA PARKS STATION

**BUDGET** 

Current TOTAL COST N/A

Forecast \$92.4M

**SCHEDULE** 

SUBSTANTIAL COMPLETION

Current Dec 2020 Forecast Dec 2020

- Early Start Phase (Package E) Construction mobilization has begun. Construction expected to start February.
- Package A and C at 100% design completion. Bid to be released to the public Mid-January. Package includes provisions for the closure of the Blue Line (the New Blue).
- Pedestrian grade crossing documents submitted to Union Pacific (UP) and Public Utilities Commission (PUC).



February 2018

ON target

Possible problem

lack

Major issue



Los Angeles County Metropolitan Transportation Authority

#### THE NEW BLUE

<u>P</u>	roject Name	Budget	Percent Completed	Forecast Completion	Status
•	Pedestrian Gates City of Long Beach Fare Gates Design (Design) Blue Line Signal Rehabilitation (OCS, Signals, Div. 11)	\$31.4M \$6M \$119M*	90% 100%(Design) 10%	March 2018 Feb 2018 April 2021	OK OK

Total: \$156.4M

#### **Project Status**

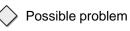
- Pedestrian gates
  - Construction completed within Cities of Long Beach and Compton
  - Construction within County of LA 90% complete
  - Working with LADOT on temporary Street closures and traffic control plan approvals
- MBL Signal Rehab Design at 100%
- City of Long Beach Fare Gates Design (Design)
  - Design completed on 5<sup>th</sup> and Wardlow stations.



\*Budget Estimate

February 2018









December 2017

# Crenshaw/LAX Transit Project Change Activity



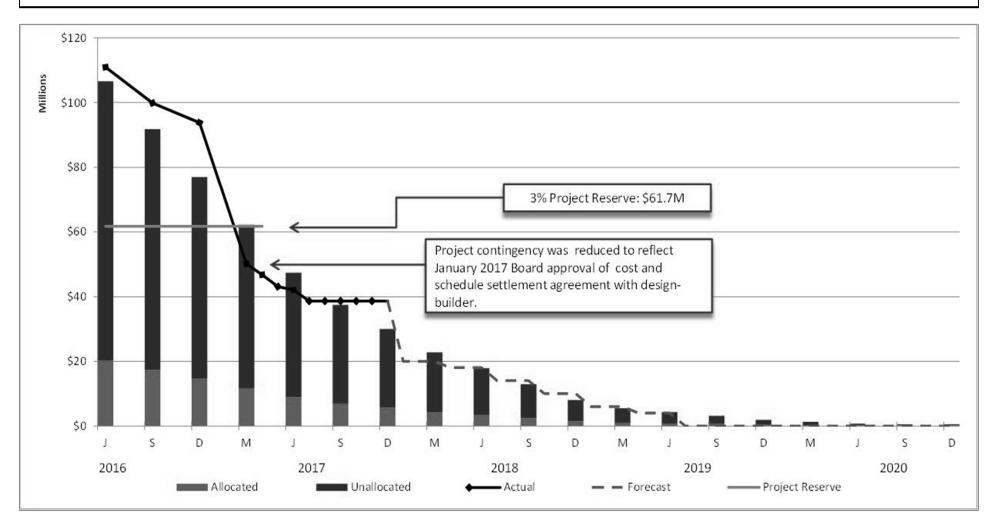
Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
TOTAL VALU	UE OF EXECUTED CONTRACT MODIFICATIONS AND APPROVED CHANGE ORDERS	346	\$ 79,350,210
TOTAL PENDI	NG MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST	21	\$ 2,486,952
DESIGN BUILD - CONT	RACT C0988		
MOD ISSUED	Asbestos Cement Pipe 63rd & Tesoro		Less than \$1 million
MOD ISSUED	Claim 118 Resolution - Qwest Line		Less than \$1 million
MOD ISSUED	Clean Agent Systems in the 3 TC& C		Less than \$3 million
MOD ISSUED	Addi Dsgn MLK Paver Underlayment		Less than \$1 million
MOD ISSUED	ATC Wayside Signal Numbering Rev		Less than \$1 million
MOD ISSUED	Revised ROW Lines at HS-1001, Arbor		Less than \$1 million
MOD ISSUED	Cable Transmission System - Construc		Less than \$1 million
MOD ISSUED	Radio Redundancy Radio Rooms		Less than \$1 million
MOD ISSUED	Construction Hindry Widening & Reloc		Less than \$1 million
MOD ISSUED	Radio System - Additional Tunnel Amp		Less than \$1 million
MOD ISSUED	Radio System - Additional Head-End		Less than \$1 million
MOD ISSUED	Radio System- UG1 Hot Standby Amplif		Less than \$1 million
MOD IN PROCESS	BkChrg Metro pymnts to COLA TCO		Credit Less than \$1.1 million
MOD IN PROCESS	Composite Utility Plan Revisions		Less than \$1 million
MOD IN PROCESS	MRDC- Full Height End of Platform		Less than \$1 million
MOD IN PROCESS	Unsuitable Soil for Subgrade Century		Less than \$1 million
CO IN PROCESS	Underground Conduit & Cable		Less than \$1 million
CO IN PROCESS	Elimination Crosver Sta 56+57.50		Credit Less than \$1 million
CO IN PROCESS	Underground Station Emergency Vent		Less than \$1 million
CO IN PROCESS	MLK Station Plaza Concrete Pav-Const		Less than \$1 million
CO IN PROCESS	Left Turn at Slauson Crossing Gate		Less than \$1 million
	TOTAL MODIFICATIONS AND CHANGE ORDERS	367	\$ 81,837,162
PROFESSIONAL SERVI	CES CONTRACTS		
	s During Construction - CONTRACT E0117		
Design Support Service	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	42	¢ 50.047.700
		0	\$ 59,217,720
	TOTAL PENDING MODIFICATIONS	U	-
	TOTAL MODIFICATIONS	40	£ 50.047.700
	TOTAL MODIFICATIONS	42	\$ 59,217,720
Construction Manageme	ent Support Services - CONTRACT MC069		
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	18	\$ 69,484,775
	TOTAL PENDING MODIFICATIONS	0	\$ -
	TOTAL MODIFICATIONS	18	\$ 69,484,775

### **Crenshaw/LAX Transit Project**

#### December 2017

#### Metro

## **Project Cost Contingency Drawdown**



December 2017

# **Regional Connector**Change Activity



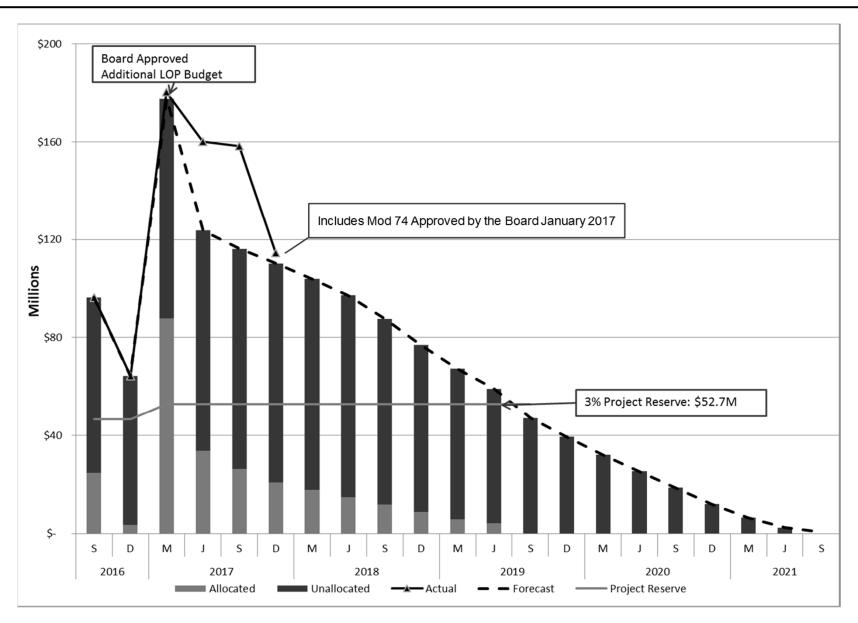
Change Notice#	Description	Number of Mod/ Change Orders		Cost Value
ESIGN BUILD CON	,			
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS AND CHANGE ORDERS:	107	\$	194,371,183
	TOTAL PENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST:	32	\$	30,182,806
	1st/Alameda Bumpout (Construction)			Less Than \$1 Million
TBD	Flower Street Modification: future 2-way Traffic /Bumpout/Ped Lighting (Construction Only)			Between \$1 and \$5 Million
TBD	Revise Metro Rail Station Signage and Incorporate Metro Underground Station Signage (Construction)			Less Than \$1 Million
TBD	Add Wye Junction Fan Plant - Construction			Between \$10 and \$15 Million
68.0	Flower Street Zanja Additional Potholing		_	Less Than \$1 Million
87.0	Support Veolia 24" Chilled Water Pipes at 2nd/Hope Station		_	Less Than \$1 Million
99.0	Option 3 Pedestrian Bridge Revisions / Broad Coordination (Construction)			Between \$1 and \$5 Million
TBD	Add One Add 'I VHF Radio Operational Channel - Construction		_	Less Than \$1 Million
106.0	Revisions to Metro Optical Network Switch		_	Less Than \$1 Million
TBD	Revise Communication Radio System SOW (Construction)		_	Less Than \$1 Million
TBD	Add Perforated Metal Dropped Ceiling at 2nd/Hope Station Plaza - Construction		_	Less Than \$1 Million
111.0	Spray-on Acoustical Finishes Additional Quantities			Between \$1 and \$5 Million
TBD	Revised Emergency Walkways at Curves (30" to 35") - Construction		_	Less Than \$1 Million
121.0	Utility Conflicts during Decking at 4th & Flower St.		_	Less Than \$1 Million
TBD	Insurance Claim - JVP Compensation Grout Line		_	Less Than \$1 Million
130.0	10" Sewer Bypass at 1st/Alameda		_	Less Than \$1 Million
131.0	Backfilling Broken Compensation Grouting Pipes at JVP			Less Than \$1 Million
133.0	Deleting OCS Work at 7th Metro (CREDIT)			Less Than \$1 Million
134.0	2nd/Broadway - LA Times Communication Line Realignment Due to Differing Site Conditions			Less Than \$1 Million
137.0	Revise SOE and Train Control and Mechanical Rooms (Charles Dunn SOE DSC)			Less Than \$1 Million
138.0	LADWP Switch Room Requirements for 1st and Central Station - Design Only			Less Than \$1 Million
TBD	Add 'I Commonwealth Agreement (noise barrier)			Less Than \$1 Million
146.0	Add 'I Gas Monitoring/Potential Gassy w/Special Conditions			Between \$1 and \$5 Million
148.0	Platform Stand-Alone Validators		_	Less Than \$1 Million
151.0	Differing Site Conditions - Time			Between \$1 and \$5 Million
TBD	Differing Site Conditions - Labor			Between \$1 and \$5 Million
TBD	DWP Vault Support (5) on Flower		$\perp$	Less Than \$1 Million
153.0	Additional UPS System for Regional Connector Radio Racks at 7th Metro -Design Only		_	Less Than \$1 Million
TBD	Additional UPS System for Regional Connector Radio Racks at 7th Metro -Construction		_	Less Than \$1 Million
158.0	2nd & Broadway Station Revised Overbuild Design Parameters			Between \$1 and \$5 Million
160.0	Support for Building LADWP Manholes on Flower St		$\perp$	Less Than \$1 Million
161.0	Flower St Traffic Control for LADWP Cable Pulling		$\vdash$	Less Than \$1 Million
	TOTAL MODIFICATIONS AND CHANGE ORDERS	139	\$	224,553,98
ROFESSIONAL SERV				
	es During Construction (E0119)			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	12	\$	44,629,81
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	\$	
	TOTAL MODIFICATIONS	12	\$	44,629,81
onstruction Managem	nent Support Services (MC070)			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	5	\$	35,630,67
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	\$	
	TOTAL MODIFICATIONS	5	\$	35,630,672

December 2017

#### **Regional Connector**

## **Project Cost Contingency Drawdown**





#### Westside Purple Line Extension – Section 1

#### December 2017



#### **Change Activity**

Change Notice#	Description	Number of Mod/ Change Orders	Cost Value
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS AND CHANGE ORDERS:	150	\$ 30,042,65
	ENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST:	47	More than \$15
	ONTRACT C1045	37	
CN-26	Betterment City of Beverly Hills - Median Reconstruction at San Vicente Blvd		Less Than \$1 Million
CN-32	Pin Station (Identifier) Changes		Less Than \$1 Million
CN-42.3	Radio Subsystem Redundancy		Between \$1M - \$5N
CN-43.4	Isolate Track Circuits at Wilshire/Western		Less Than \$1 Millio
CN-47.2	Stainless Steel Enclosure for TVM and PTEL		Less Than \$1 Millio
CN-56	Implement City of Beverly Hills Memorandum of Agreement (MOA)		Between \$10M - \$15
CN-63	La Brea- Additional Instrumentation Requested by BOE		Less Than \$1 Millio
CN-64.1 CN-65.1	Additional SOE Design Work - La Brea Station		Less Than \$1 Million
	Additional SOE Design Work for Fairfax Station Due to Deviation Request for Building Settlement		Less Than \$1 Million
CN-66 CN-67	Additional Dewatering Treatment & Discharge Costs at La Brea		Less Than \$1 Million Less Than \$1 Million
CN-68	Tactile Guidance (Construction and Plaza Material Change) Increased Ventilation of Station Ancillary Rooms		Between \$1 M - \$5N
CN-68			
CN-72.1	Stations - Art Related Changes Iditional SOE Design Work for La Cienega Station Due to Deviation Request for Building Settlement		Less Than \$1 Millio Less Than \$1 Millio
CN-76	Additional SOE Design Work for La Cienega Station Due to Deviation Request for Building Settlement		Less Than \$1 Millio
CN-77	Additional interpretation for Building Settlement Fairfax - DWP Duotbank Conflict with Deck Beams		Less Than \$1 Millio Less Than \$1 Millio
CN-79	Wilshire/Western - Permit Approval and Inspection for Access Shaft		Less Than \$1 Millio
CN-80.1	Stand by Generator Enclosure Aesthetic Improvements at La Cienega		Less Than \$1 Millio
CN-81	Additional Instrumentation (Project Wide) as Required by LABOE and STS EOR		Less Than \$1 Millio
CN-82	Additional Geotechnical Instrumentation at Western		Less Than \$1 Millio
CN-83	Additional Dewatering Treatment & Discharge Impacts at Western		Between \$1M - \$5N
CN-84	Additional SOE Design Work for the Western Shaft Due to Deviation Request for Building Settlement		Less Than \$1 Millio
CN-85	La Brea Utility hanging Changes for Sewer and Storm Drains		Less Than \$1 Millio
CN-87	Power Duct Bank Conflict at La Brea (ECI-4)		Less Than \$1 Millio
CN-88	TCE Slab Demolition and Removal at the Western Shaft		Less Than \$1 Millio
CN-89	La Cienega-Removal of AT&T Abandoned Cables		Less Than \$1 Millio
CN-91	La Brea-DWP Conflict and Impacts to Cap Beam Walers 28 & 29		Less Than \$1 Millio
CN-92	La Cienega - Impacts from Delayed SCE Lines/MH Abandonment		Less Than \$1 Millio
CN-93	Center Muck Shaft at La Brea (ECI-4)		Less Than \$1 Millio
CN-94.1	Negative Rail-to-Ground Voltage Device at Fairfax Station		Less Than \$1 Millio
CN-96	La Cienega - TPSS Room Changes for SCE (Design and Construction)		Less Than \$1 Millio
CN-98	Implement Wireless - Stations and Tunnels		Less Than \$1 Millio
CN-99	Oil Well Horizontal Investigation in Lieu of TBM Probe-Ahead		Between \$1M - \$5N
TBD	Fairfax - Piling Obstructions, Conflicts, Delays		Less Than \$1 Millio
TBD	La Cienega Tail Track FLS Issues		Less Than \$1 Millio
TBD	La Cienega - Additional Settlement markers at Saban Corners		Less Than \$1 Millio
TBD	Crossover Exit Doors at Stations (La Brea, La Cienega)		Less Than \$1 Millio
	CONTRACT C1078	10	
CN-11	Schedule Impacts Due to Third Party		Between \$1M - \$5N
CN-12	Betterment - Motorized Sliding Gate for the City of LA		Less Than \$1 Millio
CN-13	AST Leak Detection and Remote Lubrication Fill/Extract Station		Less Than \$1 Millio
CN-16	Additional Street/Pedestrian Lights, Trees and Irrigation		Between \$1M - \$5N
CN-18	Storm Drain - Differing Site Conditions		Less Than \$1 Millio
TBD	Support of Building Art Work		Less Than \$1 Millio
TBD	On-Site LIDS		Less Than \$1 Millio
TBD	Hazardous Materials - Chalmers Pan Handle		Less Than \$1 Millio
TBD TBD	Betterment: 6th Street Viaduot - Site Re-Grading, Ornamental Feno, Etc.		Less Than \$1 Millio Less Than \$1 Millio
	Updated IT Standards on Data Drops and Outlets		Less Inan \$1 Millic
TBD	TOTAL MODIFICATIONS AND CHANGE ORDERS	197	
ROFESSIONAL	SERVICES CONTRACTS		
	ervices During Construction - CONTRACT PS43502000		
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS:	22	\$ 92,608,4

PROFESSIONAL SERVICES CONTRACTS				
Design Support Services During Construction - CONTRACT PS43502000				
TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS:	22	\$	92,608,453	
TOTAL PENDING MODIFICATIONS				
TOTAL MODIFICATIONS AND CHANGE ORDERS				

Construction Management Support Services - CONTRACT MC071					
TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS:	4	\$ 70,297,456			
TOTAL PENDING MODIFICATIONS					
TOTAL MODIFICATIONS AND CHANGE ORDERS	4				

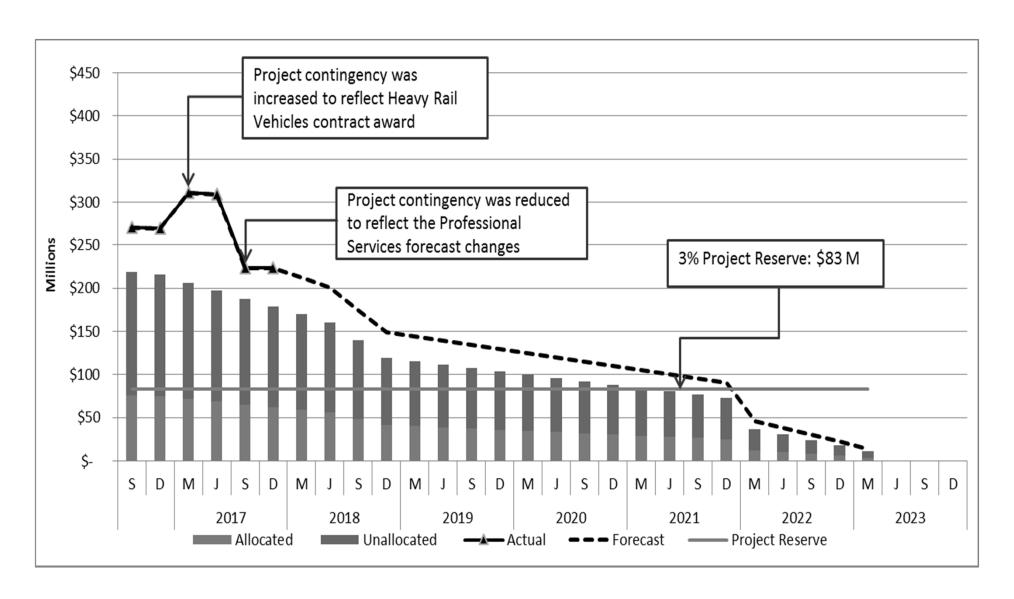
#### Westside Purple Line Extension – Section 1

**December 2017** 

Metro

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**Project Cost Contingency Drawdown** 



#### December 2017

## **Westside Purple Line Extension – Section 2**

## **Change Activity**



TOTAL PENDING IN  DESIGN/BUILD CONTRACT OF CN-3.1  CN-7  CN-8  CN-9  CN-10  CN-11	Century City Constellation Station: Main Entrance (Design)  Deletion of Cross Passage Geotech Borings  Additional Abatement at Former ACE Gallery Site  Century City Constellation Station Trackwork Extension  Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation	9	\$ 196,211  Less Than \$1 Million  Less Than \$1 Million  Less Than \$1 Million  Less Than \$1 Million
CN-3.1 CN-7 CN-8 CN-9 CN-10 CN-11	Century City Constellation Station: Main Entrance (Design)  Deletion of Cross Passage Geotech Borings  Additional Abatement at Former ACE Gallery Site  Century City Constellation Station Trackwork Extension  Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		Less Than \$1 Million Less Than \$1 Million
CN-3.1 CN-7 CN-8 CN-9 CN-10 CN-11	Century City Constellation Station: Main Entrance (Design)  Deletion of Cross Passage Geotech Borings  Additional Abatement at Former ACE Gallery Site  Century City Constellation Station Trackwork Extension  Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		Less Than \$1 Million
CN-7 CN-8 CN-9 CN-10 CN-11	Deletion of Cross Passage Geotech Borings Additional Abatement at Former ACE Gallery Site Century City Constellation Station Trackwork Extension Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		Less Than \$1 Million
CN-8 CN-9 CN-10 CN-11	Additional Abatement at Former ACE Gallery Site Century City Constellation Station Trackwork Extension Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		'
CN-9 CN-10 CN-11	Century City Constellation Station Trackwork Extension Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		Less Than \$1 Million
CN-10 CN-11	Worksite Traffic Control for SCG & AT&T Advanced Utility Relocation		
CN-11	•		Less Than \$1 Million
	Cubatitutian of Deceat for Chall Chariel Tunnal Lining (Value Engineering)		Between \$1M - \$5 M
TDD	Substitution of Precast for Steel Special Tunnel Lining (Value Engineering)		Less Than \$1 Million
TBD	Century City Constellation Station West Ancillary & OPE Reconfiguration (Construction)		Less Than \$1 Million
TBD	Century City Constellation Station: Main Entrance (Construction)		More Than \$15 Million
TBD	AT&T Building Demolition		Between \$1M - \$5 M
	TOTAL MODIFICATIONS AND CHANGE ORDERS	14	\$ -
PROFESSIONAL SERVICES			
Design Support Services Durin	-	_	
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS		\$ -
	TOTAL PENDING MODIFICATIONS	0	\$ -
	TOTAL MODIFICATIONS	0	\$ -
Construction Management Sup	oport Services		
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	0	\$ -
	TOTAL PENDING MODIFICATIONS	0	\$ -
	TOTAL MODIFICATIONS	0	\$ -
OTHER - THIRD PARTY AGR	REEMENTS		

#### **Westside Purple Line Extension – Section 2**

December 2017

Metro

**Project Cost Contingency Drawdown** 

