



Board Report

File #: 2019-0772, File Type: Oral Report / Presentation

Agenda Number: 29.

CONSTRUCTION COMMITTEE NOVEMBER 21, 2019

SUBJECT: PROGRAM MANAGEMENT MAJOR PROJECT STATUS REPORT

ACTION: ORAL REPORT

RECOMMENDATION

RECEIVE oral report on the Major Project Status by the Chief Program Management Officer.

DISCUSSION

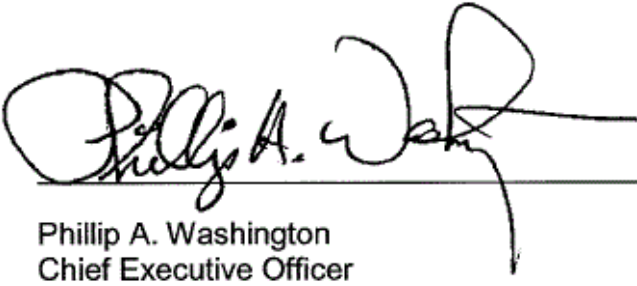
Update report covering the month of November 2019 by the Chief Program Management Officer.

ATTACHMENTS

Attachment A - Program Management Major Project Status Report

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
- **Westside Purple Line Ext 3** - Kimberly Ong, EO Project Mgmt., (323) 903-4112
- **Patsaouras Plaza Busway Station** - Timothy Lindholm, Sr. EO Project Mgmt., (213) 922-7297
- **Willowbrook/Rosa Park Station** - Timothy Lindholm, Sr. EO Project Mgmt., (213) 922-7297
- **The New Blue** - Timothy Lindholm, Sr. EO Project Mgmt., (213) 922-7297
- **I-210 Barrier Replacement** - Androush Danielians, EO Project Engr., (213) 922-7598
- **I-5 North** - Abdollah Ansari, Sr EO Construction & Engr., (213) 922-4781
- **I-5 South** - Abdollah Ansari, Sr EO Construction & Engr., (213) 922-4781
- **Presentation** - Shannon Hanley, Chief Administrative Analyst, (213) 922-1350



Phillip A. Washington
Chief Executive Officer

Program Management Major Project Status Report

Presented By

Richard Clarke

Chief Program Management Officer

November 2019

Construction Committee

Los Angeles County Metropolitan Transportation Authority



PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX			Project is 93% complete. Contractor needs to recover schedule. The forecast revenue service date is Summer/Fall 2020.
Regional Connector			Project is 59% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 1			Project is 53% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 2			Project is 23% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 3			Project is 5% complete and proceeding on schedule and within budget.
Patsaouras Plaza			Project is 75% complete. Archaeological and Native American monitoring not required due to lack of earthwork at the present. Rebar installation for the pedestrian walkway, overcrossing and elevator platform begin.
Willowbrook/Rosa Parks Station			Customer Service Building and mobility hub ongoing at 80% completion. Blue Line Station and mezzanine work progressing with finishes and installation of PA, security, faregate and lighting systems. In full coordination with New Blue. Package B 100% bid package has been delivered and is under review by Metro.
Metro Blue Line Projects			MBL is scheduled to re-open Saturday November 2, 2019. Train control work at Division 11 will proceed upon main line re-opening.
I-5 North: SR 118 to SR 134			Segment 1 and 2 are completed. Segment 3 (Empire Ave & Burbank) is 76% complete. Segment 4 (Magnolia to SR-134) is 93% complete.
I-5 South: Orange County Line to I-605			Segments 1 and 3 and the Carmenita Interchange are completed. Segment 2 (Valley View) is 50% complete. Segment 4 (Imperial) is 96% complete. Segment 5 (Florence) is 84% complete.

November 2019

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Los Angeles County Metropolitan Transportation Authority



On target



Possible problem



Major issue



Metro 2

CRENSHAW/LAX TRANSIT PROJECT

BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$2,058M	\$2,058M

SCHEDULE

	<u>Current</u>	<u>Forecast</u>
REVENUE	Summer/Fall	Summer/Fall
OPERATION	2020	2020

- Overall Project Progress is 93% complete; contractor needs to recover schedule.
- Contractor investigating blocked and damaged conduits in tunnels and underground stations.
- Contractor continues Crenshaw Blvd road restoration in the Hyde Park neighborhood.
- Critical path is completion of the conduit work, system equipment installation and testing, especially at the three underground stations.



Expo/Crenshaw Station - Track crossover section



Hyde Park Station – northbound view of platform

November 2019



On target



Possible problem



Major issue

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Metro 3

REGIONAL CONNECTOR TRANSIT PROJECT

OK BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$1,810M	\$1,810M

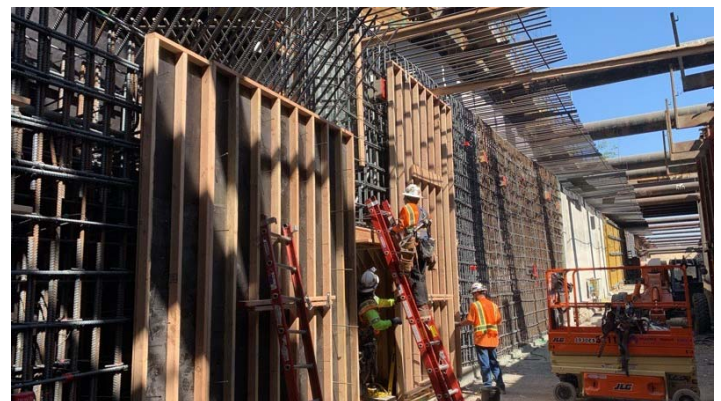
OK SCHEDULE

	<u>Current</u> Summer/Fall 2022	<u>Forecast</u> Summer/Fall 2022
REVENUE		
OPERATION		

- Overall Project Progress is 59% complete.
- Little Tokyo/Arts District Station, WYE and 1st Street:** Street Restoration work will begin in January 2020, as coordinated with the Little Tokyo Community.
- Historic Broadway Station:** Structural concrete continues within the Station and Sequential Excavation Method (SEM) Cavern.
- Grand Av Arts/Bunker Hill Station:** Structural concrete walls continue to be erected at multiple levels throughout the station.
- Flower Street:** Continue installation of exterior and interior walls; preparations for invert placements underway.



Left track tunnel at Flower St



Interior wall forming at Fan Plant

November 2019



On target



Possible problem



Major issue

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Metro 4

WESTSIDE PURPLE LINE EXTENSION – SECTION 1



BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST*	\$3,154M	\$3,154M

* Includes Board approved LOP budget plus finance costs.



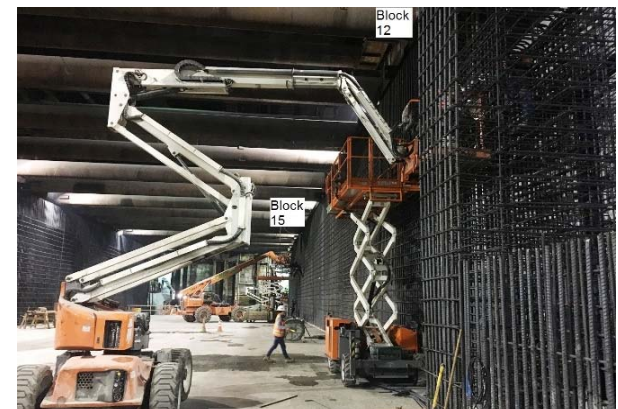
SCHEDULE

	<u>Current</u>	<u>Forecast</u>
REVENUE	Fall	Fall
OPERATIONS	2024 (FFGA)	2023

- Overall Project Progress is 53% complete.
- Wilshire/Western Retrieval Shaft:** Reconfigured yard and shaft to accommodate the mining of Reach 1 cross passage construction.
- Wilshire/La Brea Station:** Completed 2nd lift exterior wall concrete placement (G/L 5–15) on September 19, 2019. Work on the high bay 2nd lift exterior walls is scheduled to begin in December 2019.
- Wilshire/Fairfax Station:** HDPE, Rebar and Mechanical, Electrical, and Plumbing (MEP) placement for 1st lift exterior walls moves forward. Concrete placement for 1st lift exterior walls is scheduled to begin on October 16, 2019.
- Wilshire/La Cienega Station:** Excavation is complete. Began installation of geotextile and gravel for mud mat placement, which is scheduled for October 12, 2019.
- Tunneling:** Re-assembly of the Tunnel Boring Machines (TBMs) is nearing completion. Reach 2 TBM launch (Purple TBM) commenced on October 7, 2019. Reach 1 cross passage work is scheduled to start in October 2019.



TBM Launch at Wilshire/La Brea Station



Wall Rebar Placement at Wilshire/Fairfax

November 2019



On target



Possible problem



Major issue

Construction Committee

Los Angeles County Metropolitan Transportation Authority



Metro 6

WESTSIDE PURPLE LINE EXTENSION – SECTION 2



BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST*	\$2,530M	\$2,530M

* Includes Board approved LOP budget plus finance costs.



SCHEDULE

	<u>Current</u>	<u>Forecast</u>
REVENUE	Winter	Summer
OPERATION	2026 (FFGA)	2025

- Overall Project progress is 23% complete.
- Final design progress is 95% complete.
- **Century City Constellation**
 - Tunnel Boring Machine (TBM) launch box excavation is complete. Construction of the base slab is ongoing.
 - Tunnel access shaft excavation is at a depth of 61 feet (approximately 65% complete). Geophysical testing is underway within the partially excavated shaft to confirm there are no subsurface obstructions on the alignment near the shaft.
 - A request for an additional extension of the full closure of Constellation Blvd (in the vicinity of the Launch Box) will be presented to the Board of Public Works before the existing closure expires in December 2019.
 - Cable pulling and splicing for AT&T was completed in September 2019. Cable pulling and splicing for LADWP is anticipated to complete prior to the start of piling activities west of the TBM Launch Box.
- **Wilshire/Rodeo**
 - The closure of North Canon Drive, which included installation of a sound wall and traffic improvements, was completed in October 2019.
 - Piling for the station excavation is scheduled to begin in 4th quarter of 2019.



TBM Launch Box Excavation in Century City



Tunnel Shaft Overview in Century City

November 2019



On target



Possible problem



Major issue

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Los Angeles County Metropolitan Transportation Authority



Metro 7

WESTSIDE PURPLE LINE EXTENSION – SECTION 3



BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST*	\$3,611M	\$3,611M

* Includes Board approved LOP budget plus finance costs.



SCHEDULE

	<u>Current</u>	<u>Forecast</u>
REVENUE	TBD	2027
OPERATION		

- Overall Project progress is 5% complete
- Final design progress is 20% complete
- **C1151 Tunnel Contract**
 - Frontier-Kemper Tutor Perini (FKTP) began Southern California Edison (SCE) ductbank construction in the County portions of the Project.
 - Continue real estate negotiations for access to Veterans Administration property. Draft Access Easement Agreement (AEA) and draft Right-of-Entry (ROE) are under review.
- **C1152 Stations, Trackwork and Systems Contract**
 - Station easement acquisitions continue.
- **Other Third Party Utility Relocation Work**
 - Joint trench conduit as well as Sempra Energy and Southern California Gas line relocations at the Westwood/UCLA station are ongoing.



Geotechnical Boring for Tunnel Cross Passage Design at Westwood/UCLA Station



AUR Telecom Joint Trench Excavation

November 2019



On target



Possible problem



Major issue

Construction Committee

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Metro 8

PATSAOURAS BUS PLAZA STATION

 BUDGET		
	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$50.9M	\$50.9M

 SCHEDULE		
	<u>Current</u>	<u>Forecast</u>
SUBSTANTIAL COMPLETION	Spring 2020	Spring 2020

- Overall project progress at approximately 75% complete
- Archaeological and Native American monitoring will continue with the construction of the stormwater vault
- Pedestrian overcrossing rebar installation being completed
- Elevator platform and walkway rebar installation in progress
- Retaining wall drainage design in progress



November 2019



On target



Possible problem



Major issue

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Metro 9

WILLOWBROOK/ROSA PARKS STATION

OK BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$109.3M	\$109.3M

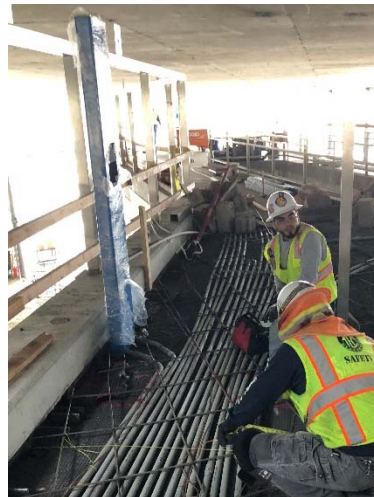
OK SCHEDULE

	<u>Current</u>	<u>Forecast</u>
SUBSTANTIAL COMPLETION	Summer 2020	Summer 2020

- Package A: Customer Service and Mobility Hub building finish work ongoing with metal panel and curtain wall installations. Interior finishes and fixture installation in progress. Plaza hardscape nearly complete with security and lighting system installation initiated.
- Package C: Blue Line platform extension nearly complete with focus now on finishes and systems work. Mezzanine flooring compete with current focus on enclosure walls, fire and lighting systems. Finalizing key components for re-opening of the Station with New Blue Opening.
- Package B: Final coordination of 100% documents submitted for Metro review.



Blue Line Platform Work



Mezzanine Work ongoing



Mobility Hub, Customer Service Building and Plaza Work

November 2019



On target



Possible problem



Major issue

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Metro 9

THE NEW BLUE CLOSURE

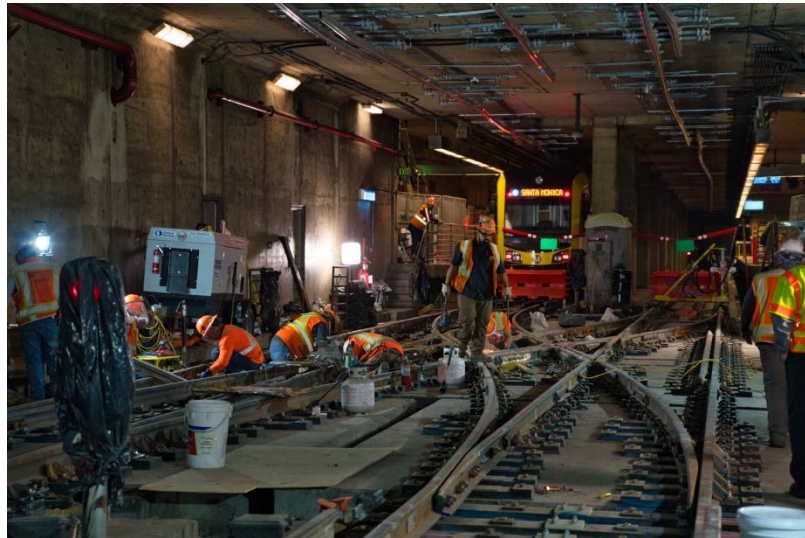
◆ BUDGET		
TOTAL COST	<u>Current</u> \$221.3M	<u>Forecast</u> \$221.3M

OK SCHEDULE		
SUBSTANTIAL COMPLETION	<u>Current</u> Fall 2019	<u>Forecast</u> Fall 2019

- Metro Blue Line opening events scheduled on November 2nd
- 7th Metro tunnel tail track section crossover replacement and Overhead Conductor Rail (OCR) work completed in October
- City of Long Beach beautification work completed in September



System Integration Test at new Slauson Interlocking



Crossover track s replacement at 7th Metro tail track

November 2019



On target



Possible problem



Major issue

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Metro 10

I-5 Construction Projects (By Caltrans)



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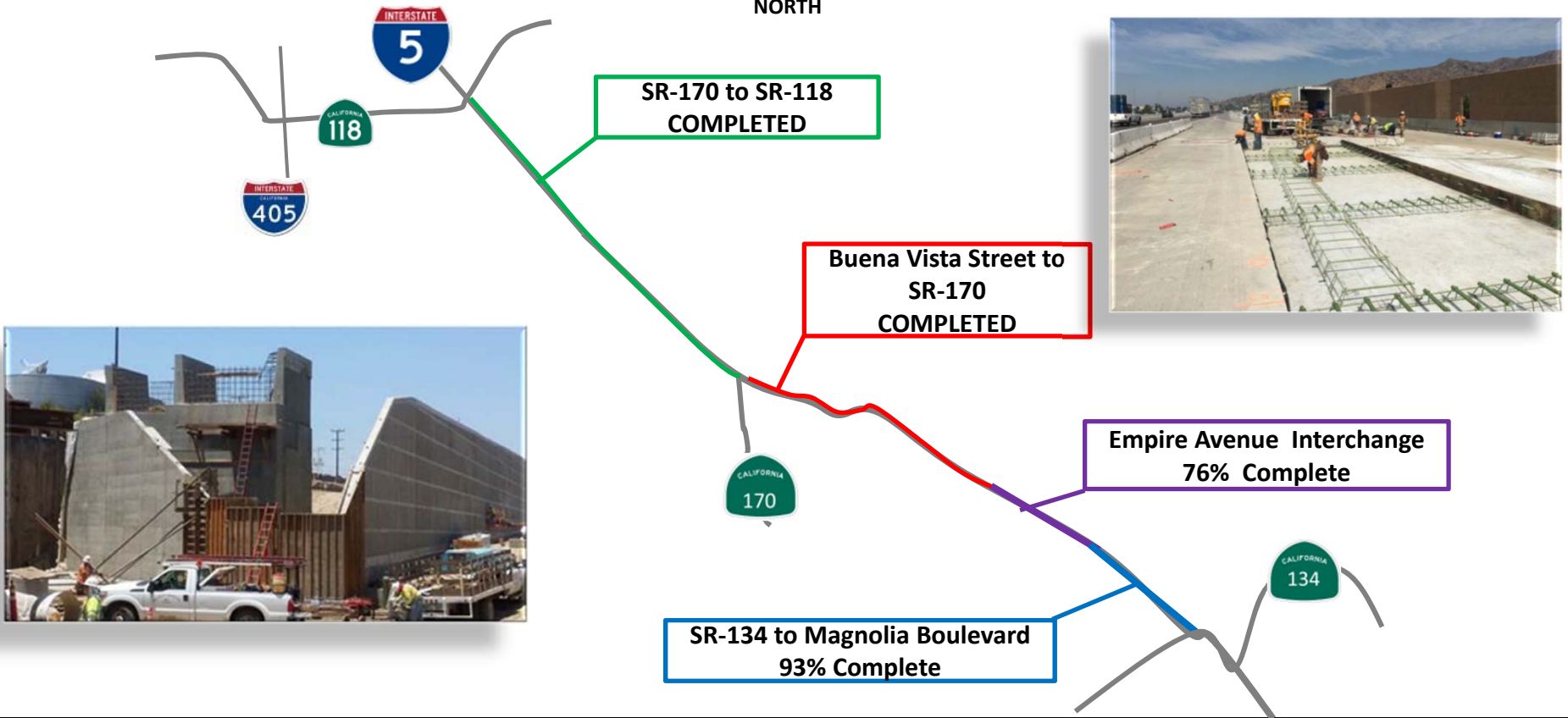
Metro 11

I-5 NORTH: SR 118 TO SR 134



! BUDGET		
TOTAL COST	Current \$880.9M	Forecast \$912.8M*

! SCHEDULE		
ANTICIPATED PROJECT COMPLETION	Current Spring 2022	Forecast Summer 2022



November 2019



On target



Possible problem



Major issue

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Risk Analysis, August 2019



Metro 12

Construction Committee

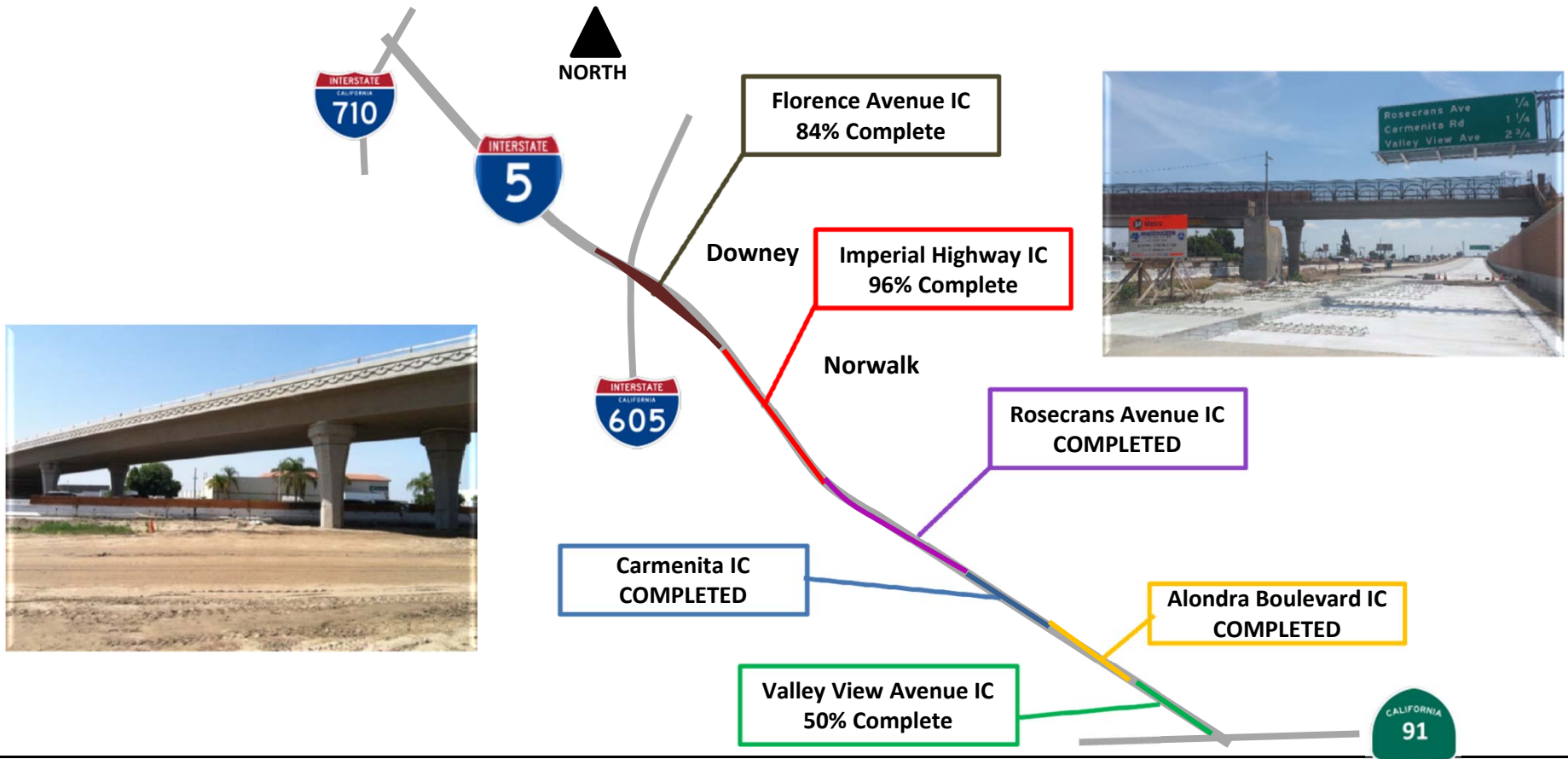
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I-5 SOUTH: ORANGE COUNTY LINE TO I-605



OK BUDGET		
	Current	Forecast
TOTAL COST	\$1.888B	\$1.888B*

◇ SCHEDULE		
ANTICIPATED PROJECT COMPLETION	Current	Forecast
	Fall 2022	Winter 2022



November 2019

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On target



Possible problem



Major issue



Risk Analysis, August 2019

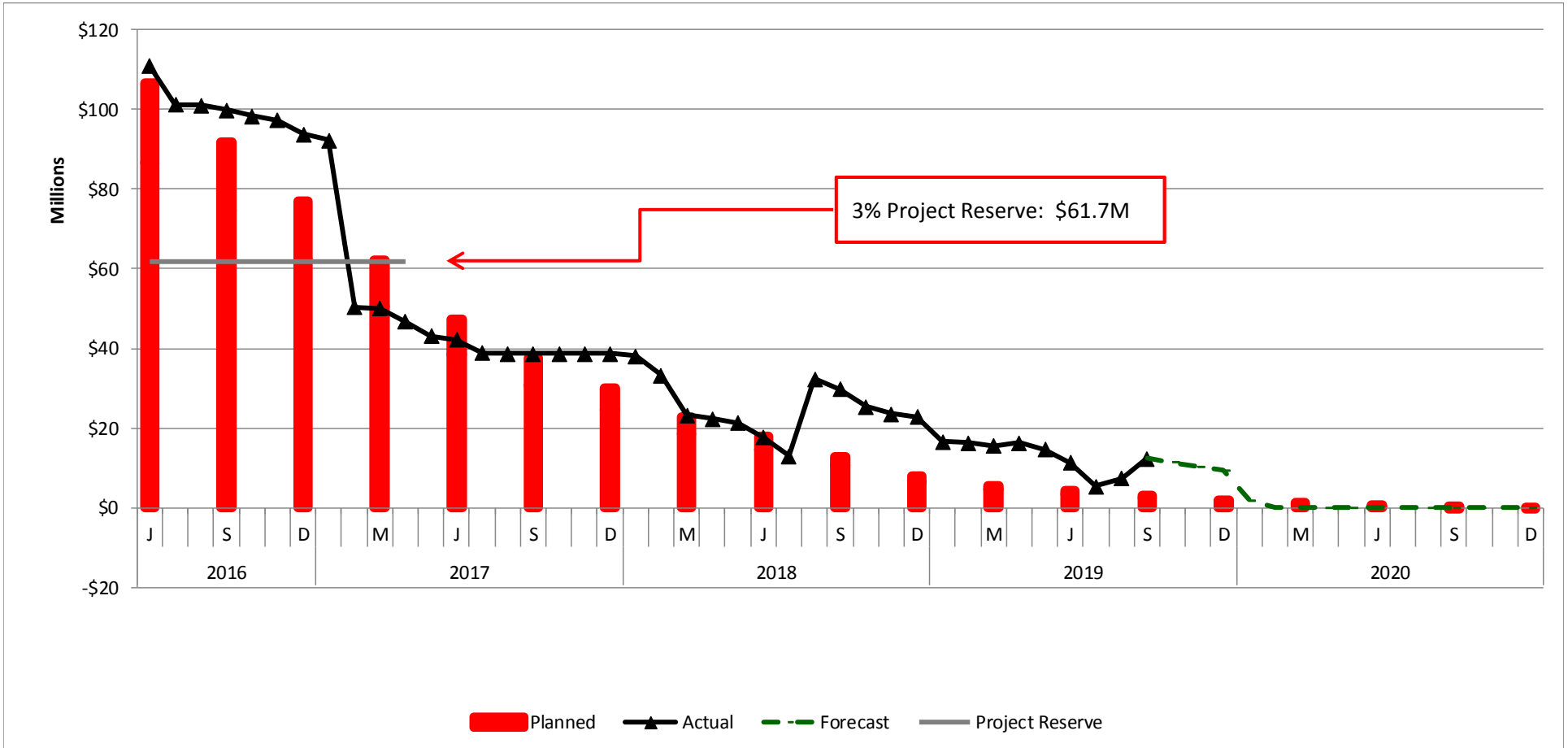


Metro 13

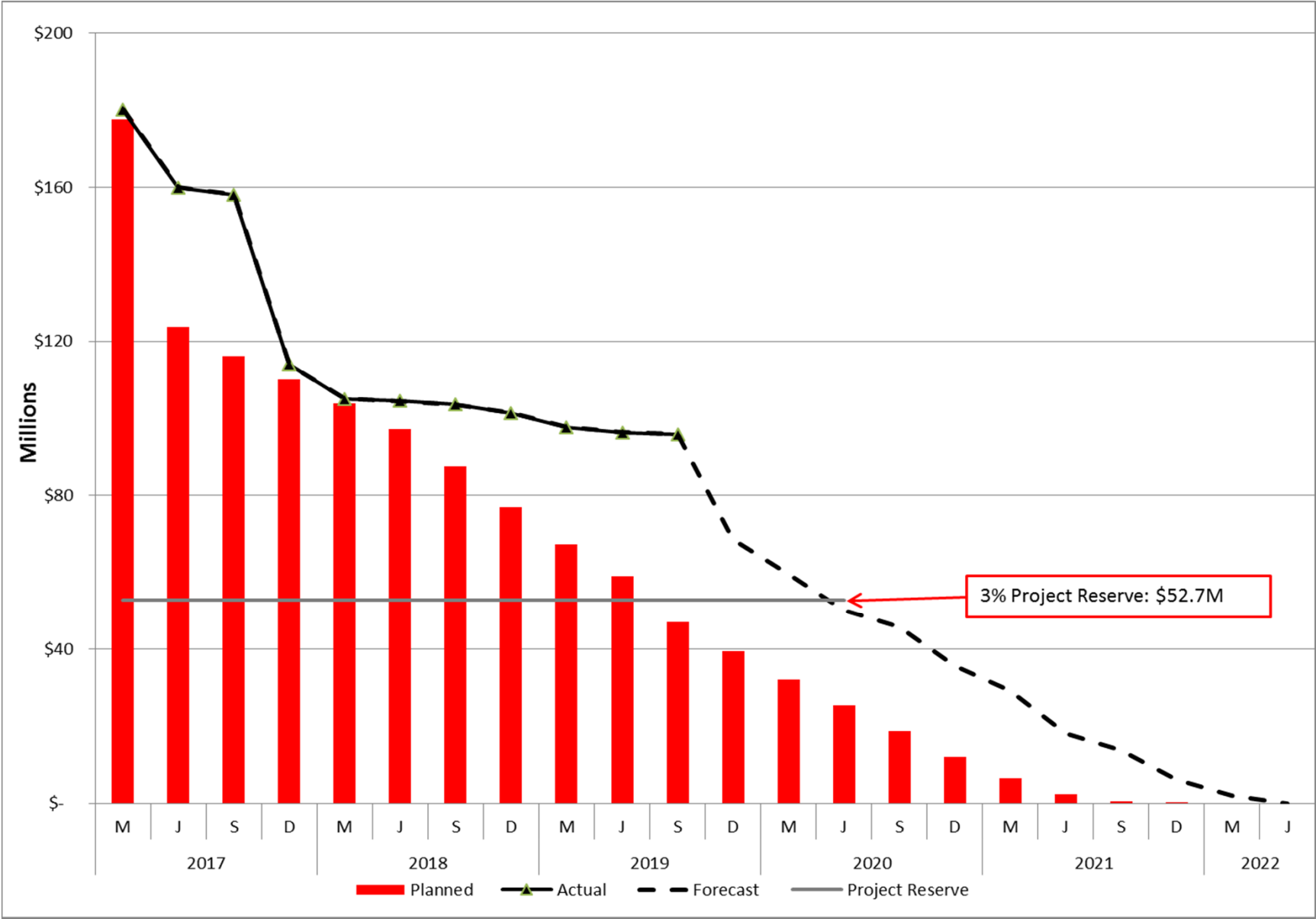
Crenshaw/LAX Transit Project

Project Cost Contingency Drawdown

September 2019



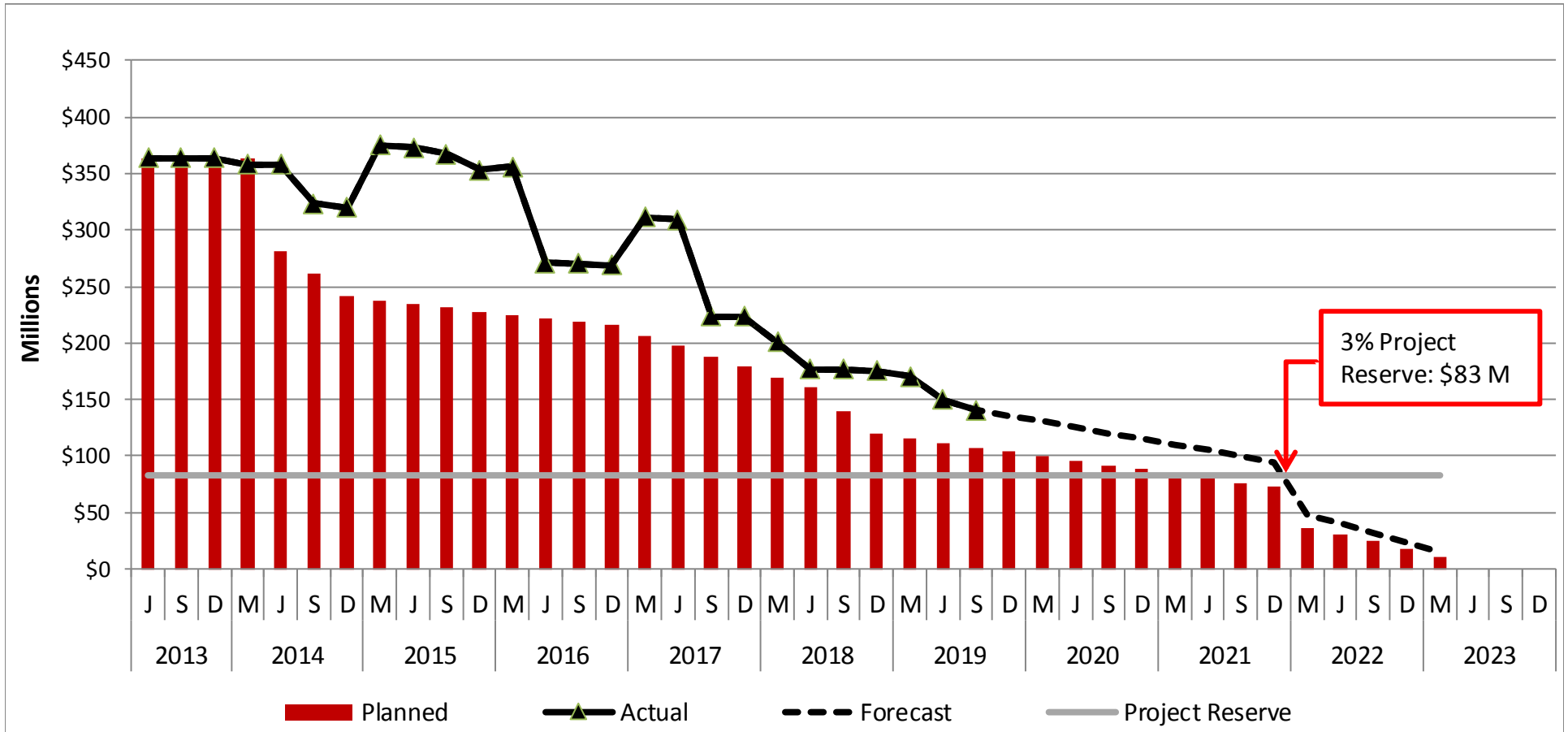
Regional Connector Project Cost Contingency Drawdown



Westside Purple Line Extension – Section 1

Project Cost Contingency Drawdown

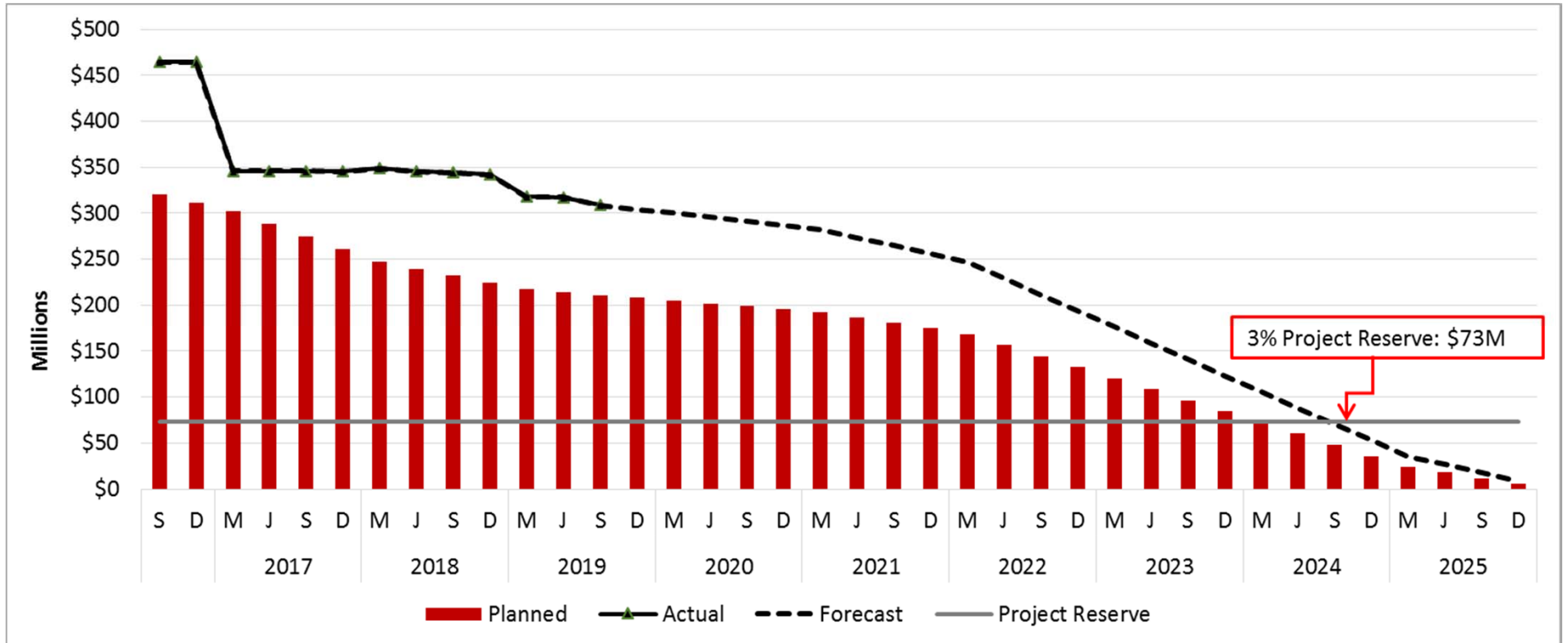
September 2019



Westside Purple Line Extension – Section 2

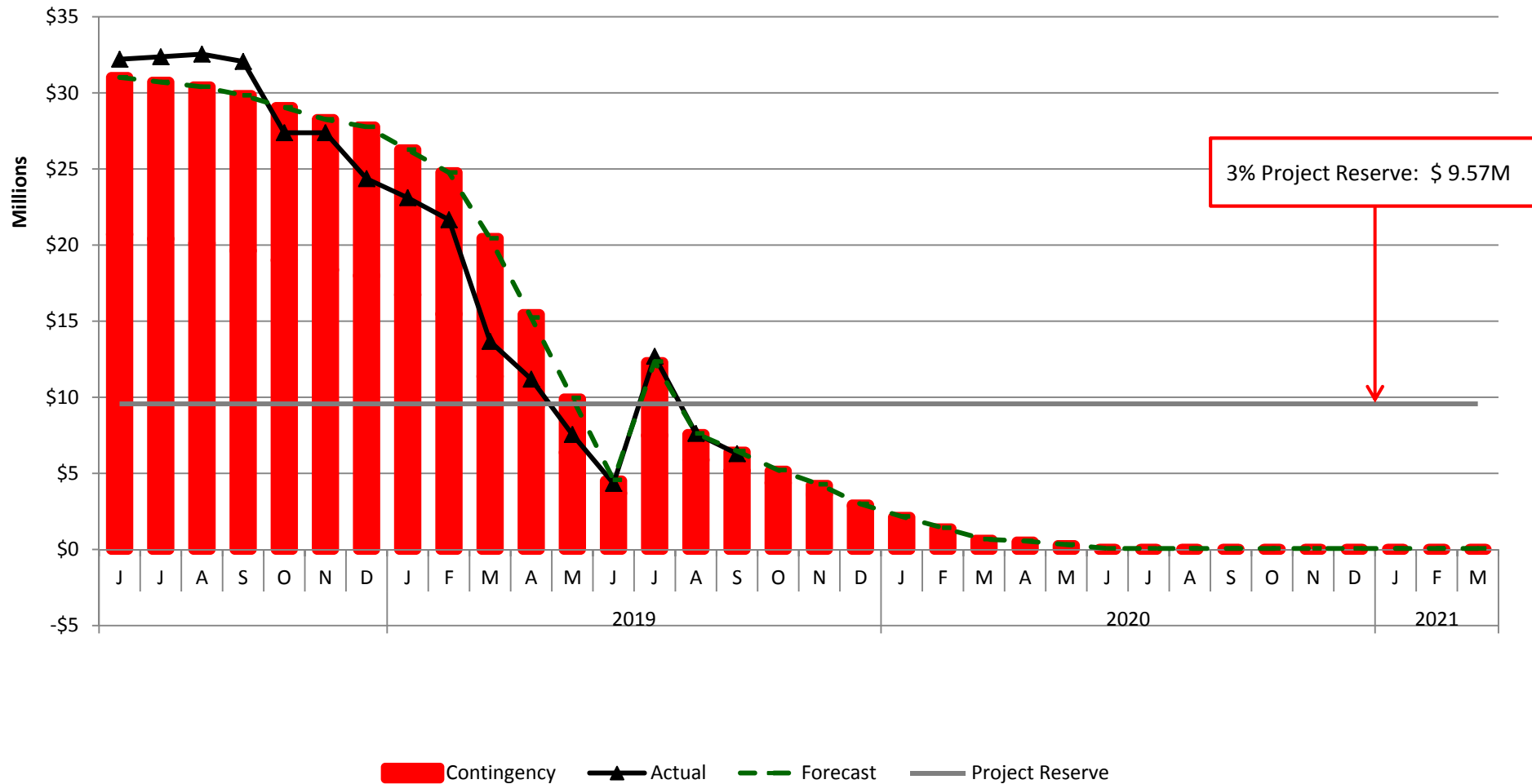
Project Cost Contingency Drawdown

September 2019



New Blue Projects

Project Cost Contingency Drawdown



- Blue Line Signal Rehabilitation
- Blue Line Track and System Refurbishment
- Willowbrook/Rosa Parks Station