



Board Report

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Agenda Number: 30.

**CONSTRUCTION COMMITTEE
NOVEMBER 15, 2018**

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 2018 by the Chief Program Management Officer.

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** - Michael McKenna, EO Project Mgmt., (213) 312-3132
- **Patsaouras Plaza Busway Station** - Timothy Lindholm, EO Project Engr., (213) 922-7297
- **Willowbrook/Rosa Park Station** - Timothy Lindholm, EO Project Engr., (213) 922-7297
- **The New Blue** - Androush Danielians, EO Project Engr., (213) 922-7598
- **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** - Yohana Jonathan, Principal Program Mgmt. Analyst, (213) 922-7592

Program Management Major Project Status Report

Presented By

Richard Clarke

Chief Program Management Officer

November 2018

Construction Committee

Los Angeles County Metropolitan Transportation Authority



PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX			Project is 87% complete. Metro issued non-compensable time extension to contractor extending Contract Substantial Completion Milestone to December 2019. The forecast revenue service date is summer 2020.
Regional Connector			Project is 52% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 1			Project is 42% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 2			Project is 11% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 3			<ul style="list-style-type: none"> Received FTA conditional approval for Letter of No Prejudice (LONP) on September 19, 2018. C1151 Tunnel Contract Notice to Proceed is subject to FTA approval of 130C environmental document.
Patsaouras Plaza			Project is approximately 65% complete. Metro issued Order of Suspension August 3 rd due to archaeological and Native American issues. With anticipated construction delay of 10 months, significant impacts to project schedule and budget expected.
Willowbrook/Rosa Parks Station			Early Start Construction Work nearly complete. Final Golden State water coordination remaining. Package A+C underground work continues. WRP project team moved to job site trailers.
Metro Blue Line Projects			Early Start Work is at 90% completion. Establishing baseline schedule for all three contracts and Metro internal work.
I-210 Barrier Replacement			Finding effective mitigation measures to some of the non-standard freeway features along with mitigation measures to alleviate freeway traffic disruption during construction are delaying the project.
I-5 North: SR 118 to SR 134			Segment 1 & 2 (SR 118 to Buena Vista) are complete and open to traffic. Segment 3 (Empire) is 70% complete. Segment 4 (Magnolia to SR-134) is 83% complete.
I-5 South: Orange County Line to I-605			Segment 2 (Valley View) is 32% complete. Segment 3 (Rosecrans) is open to traffic. Segment 4 (Imperial) is 87% complete. Segment 5 (Florence) is 72% complete.

November 2018



On target



Possible problem



Major issue



Metro 2

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Los Angeles County Metropolitan Transportation Authority

CRENSHAW/LAX TRANSIT PROJECT

 BUDGET		
	Current	Forecast
TOTAL COST	\$2,058M	\$2,058M

 SCHEDULE		
	Current	Forecast
REVENUE	Fall	Summer
OPERATION	2019	2020

- Overall Project Progress is 87.5% complete; working with contractor to address schedule
- Contractor continues critical underground structures, track, systems and testing activities



Crenshaw Blvd restoration and new Expo/Crenshaw Station entrance construction near Expo Line Station

November 2018



On target



Possible problem



Major issue

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Metro 3

REGIONAL CONNECTOR TRANSIT PROJECT

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

* Includes Board approved LOP budget plus finance costs.

OK SCHEDULE		
	Current	Forecast
REVENUE OPERATION	Winter 2021-2022	Winter 2021-2022

- Overall Project Progress is 52%
- Underground:** Excavation of crossover cavern utilizing Sequential Excavation Method (SEM) complete in left drift; right and center drift excavation proceeding on schedule
- Little Tokyo/Arts District Station and 1st Street:** Excavation and related support of utilities continues at station box, around Wye Junction, and along 1st Street
- Historic Broadway Station:** Invert concrete placement for entrance invert complete; concrete operations underway in station box with HDPE, rebar, and forms gearing-up
- Grand Av Arts/Bunker Hill Station:** Permanent structural concrete operations continue throughout station
- Flower Street:** Excavation and utility protection are ongoing; structural concrete operations have been initiated at north end



Cross-over Cavern excavation



Excavation at Alameda Wye

November 2018



On target



Possible problem



Major issue

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Metro 4

WESTSIDE PURPLE LINE EXTENSION – SECTION 1

BUDGET

	Current	Forecast
TOTAL COST*	\$3,154M	\$3,154M

* Includes Board approved LOP budget plus finance costs.

SCHEDULE

	Current	Forecast
REVENUE	Fall	Fall
OPERATION	2024 (FFGA)	2023

- Overall Project Progress is 42% complete.
- Wilshire/Western Retrieval Shaft:** Level C bracing has been completed. Excavation to the bottom of the Western Retrieval Shaft anticipated in October 2018. The TBM temporary invert slab is scheduled in November 2018.
- Wilshire/La Brea Station:** TBM/support equipment testing and tunnel related track installation is near completion. Tunneling is planned to start in October 2018.
- Wilshire/Fairfax Station:** Level D excavation, waler/strut installation continues. Installation of canopy/soil nails (1st Phase) is nearing completion. Fine grading has commenced with mudmat pours scheduled to start in December 2018.
- Wilshire/La Cienega Station:** Level A strut installation is complete. Level B strut installation has commenced. Excavation on the main station box continues. Maintenance of surface aesthetics per the COBH MOA is ongoing.



TBM at Wilshire/La Brea Station



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On target



Possible problem



Major issue



Metro 5

WESTSIDE PURPLE LINE EXTENSION – SECTION 2

BUDGET

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

* Includes Board approved LOP budget plus finance costs.

SCHEDULE

	Current Winter 2026 (FFGA)	Forecast Summer 2025
REVENUE		
OPERATION		

- Overall project progress is 11% complete.
- Final design progress is 82% complete.
- Fabrication of tunnel liner began in October 2018.
- **Century City Constellation**
 - Civil work for LADWP Power completed in August 2018, and civil work for AT&T completed in November 2018. Cable pulling and splicing will continue until November 2019.
 - Delivery of the tunnel boring machines started in September 2018.
 - Full street closure of Constellation Blvd. began in September 2018.
 - Installation of power substation continues.
- **Wilshire/Rodeo**
 - All third party utility relocations were completed in October 2018.
 - Demolition of former Ace Gallery began in October 2018.



DWP Power Duct Bank and Conduits



Sound Wall Panel Installation at 1940/1950 Century Park East

November 2018



On target



Possible problem



Major issue

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Metro 6

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

OK BUDGET

	Current	Forecast
TOTAL COST*	TBD	\$3,664M

* Includes finance costs.

OK SCHEDULE

	Current	Forecast
REVENUE OPERATION	TBD	Winter 2027

- Received Letter of No Prejudice (LONP) for the Tunnel Contract on September 19, 2018.
- C1151 Tunnel Contract – Notice to Proceed is subject to FTA approval of 130C environmental document.
- C1152 Stations, Trackwork and Systems Contract – Request for Qualifications (RFQ)/Request for Proposals (RFP) was issued on September 15, 2017. Proposals were received on August 22, 2018 and are under review.
- C1153 Advanced Utility Relocations (AUR) Contract – Overall progress is 55% complete.



October 2018



On target



Possible problem



Major issue




Metro 7

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PATSAOURAS PLAZA BUSWAY STATION

 BUDGET		
	Current	Forecast
TOTAL COST	\$39.7M	\$TBD

 SCHEDULE		
	Current	Forecast
SUBSTANTIAL COMPLETION	Winter 2018	Winter 2019

- Overall project progress approximately 65% complete
- Project contractor and construction suspension continues due to archaeological and Native American resource issues
 - Project team is working diligently to resume construction with FTA and the consulting parties
- Upon approval, mobilization of archaeological field work begins with investigation and evaluation of architectural features and soil screening and consultations with SHPO
 - Construction shutdown started in April 2018 and expected to restart in February 2019 (10 months)
- Archaeological and Native American issues anticipated to deplete project contingency requiring LOP budget increase once full extent of impact realized
 - Metro is currently working with contractor on settlement negotiations



WILLOWBROOK/ROSA PARKS STATION

OK BUDGET		
	Current	Forecast
TOTAL COST	\$109.3M	\$109.3M

OK SCHEDULE		
	Current Summer 2020	Forecast Summer 2020
SUBSTANTIAL COMPLETION		

- Early Start Phase (Package E) Construction at 98% completion.
- Removal of AC pipe and final installation of GSW water line is underway.
- Project trailers are operational and the WRP/New Blue team are now based at the WRP site.
- Package A+C initial grading is complete and underground utility work installation has begun.
- Package B is in full coordination with Caltrans with plans for procurement to begin late 2018.



Early Start Construction and Demolition for Package A+C

November 2018



On target



Possible problem



Major issue


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Metro 9

THE NEW BLUE

 BUDGET	Current	Forecast
TOTAL COST	\$221.3M	\$221.3M

 SCHEDULE	Current	Forecast
SUBSTANTIAL COMPLETION	Fall 2019	Fall 2019

- MBL Resignaling Design is at 95%
- MBL Resignaling Early Start work is at 90% (Potholing, foundation and other underground construction)
- Establishing baseline construction schedule for all three projects (including Rosa Parks Willowbrook Station)
- The New Blue project is scheduled to begin January 2019



Performing Surveying at 95th Street Siding



New conduits

November 2018



On target



Possible problem



Major issue

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Metro

I-210 BARRIER REPLACEMENT PROJECT

◆ BUDGET		
	Current	Forecast
TOTAL COST	\$11.08M Design	\$20.00M Design

◆ SCHEDULE		
	Current	Forecast
Complete Design (Proj 1)	Summer 2019	Summer 2019
Complete Design (Proj 2)	Spring 2020	Spring 2020

- Project 1: Segment from Michillinda to Iconic Bridge:
 - Starting survey activity to establish the shoulder area available for shifting the traffic to design this Segment
 - Continuing engineering and environmental studies
- Project 2: Segment from west end of the project to Michillinda:
 - Started traffic analysis studies to quantify traffic delays to support environmental document



Newly Installed Caltrans Freeway Sign



Incident in 2014



Newly Installed Speed Limit Sign

November 2018



On target



Possible problem



Major issue

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Metro 11

I-5 NORTH: SR 118 TO SR 134



November 2018

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I-5 NORTH: SR 118 TO SR 134

◇ BUDGET	Current	Forecast
TOTAL COST	\$880.9M	TBD

◇ SCHEDULE	Current	Forecast
ANTICIPATED PROJECT COMPLETION	Fall 2021	Spring 2022

Project Managed by Caltrans:

- Approved budget: \$880.9 M
- Estimated Cost to Complete Construction: TBD

Accomplishments:

Seg. 1: SR118 to SR170:

Open to traffic. Contract acceptance and close out in progress

Seg. 2: SR170 to Buena Vista:

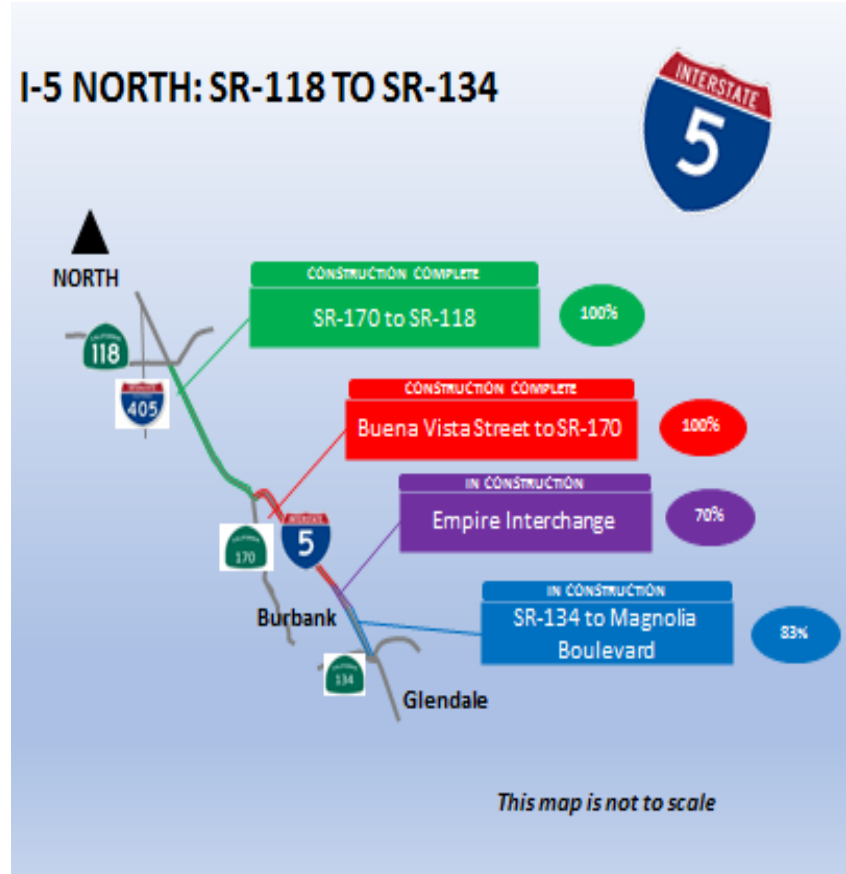
Open to traffic. Contract acceptance and close out in progress. Final Settlement approved by the Board in September 2018

Seg. 3: Buena Vista to Magnolia Blvd

Construction in progress (70% Complete) including Empire Avenue Interchange

Seg 4: Magnolia Blvd to SR134:

Construction in progress (83% Complete)



November 2018



On target



Possible problem



Major issue

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Metro 13

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

BUDGET		
	Current	Forecast
TOTAL COST	\$1.888B	TBD

SCHEDULE		
ANTICIPATED PROJECT COMPLETION	Current	Forecast
	Spring 2022	Fall 2022

Project Managed by Caltrans:

- Approved budget: \$1,888 B
- Estimated Cost to Complete Construction: TBD

Accomplishments:

Carmenita Rd Interchange (IC):

Open to traffic. Contract acceptance and close out in progress

Seg. 1: Alondra Blvd IC:

Open to traffic. Contract acceptance and close out in progress

Seg. 2: Valley View Ave IC:

Construction in progress (32% Complete)

Seg. 3: Rosecrans Ave IC:

Open to Traffic. Plant Establishment Period Construction in progress (98% Complete)

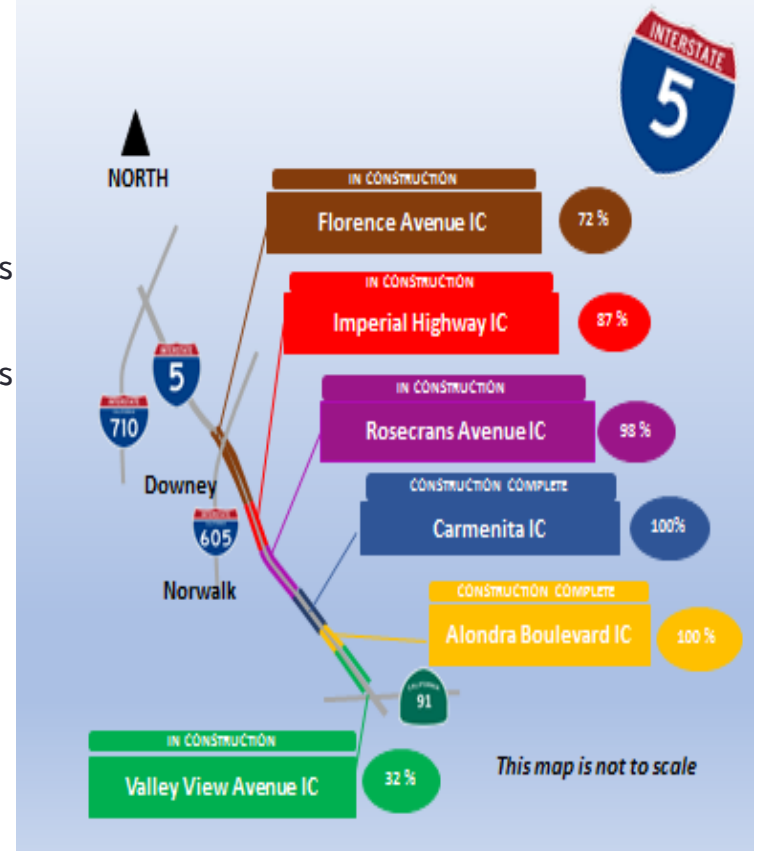
Seg 4: Imperial Highway IC:

Construction in progress (87% Complete)

Seg 5: Florence Ave IC:

Construction in progress (72% Complete)

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



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On target



Possible problem



Major issue

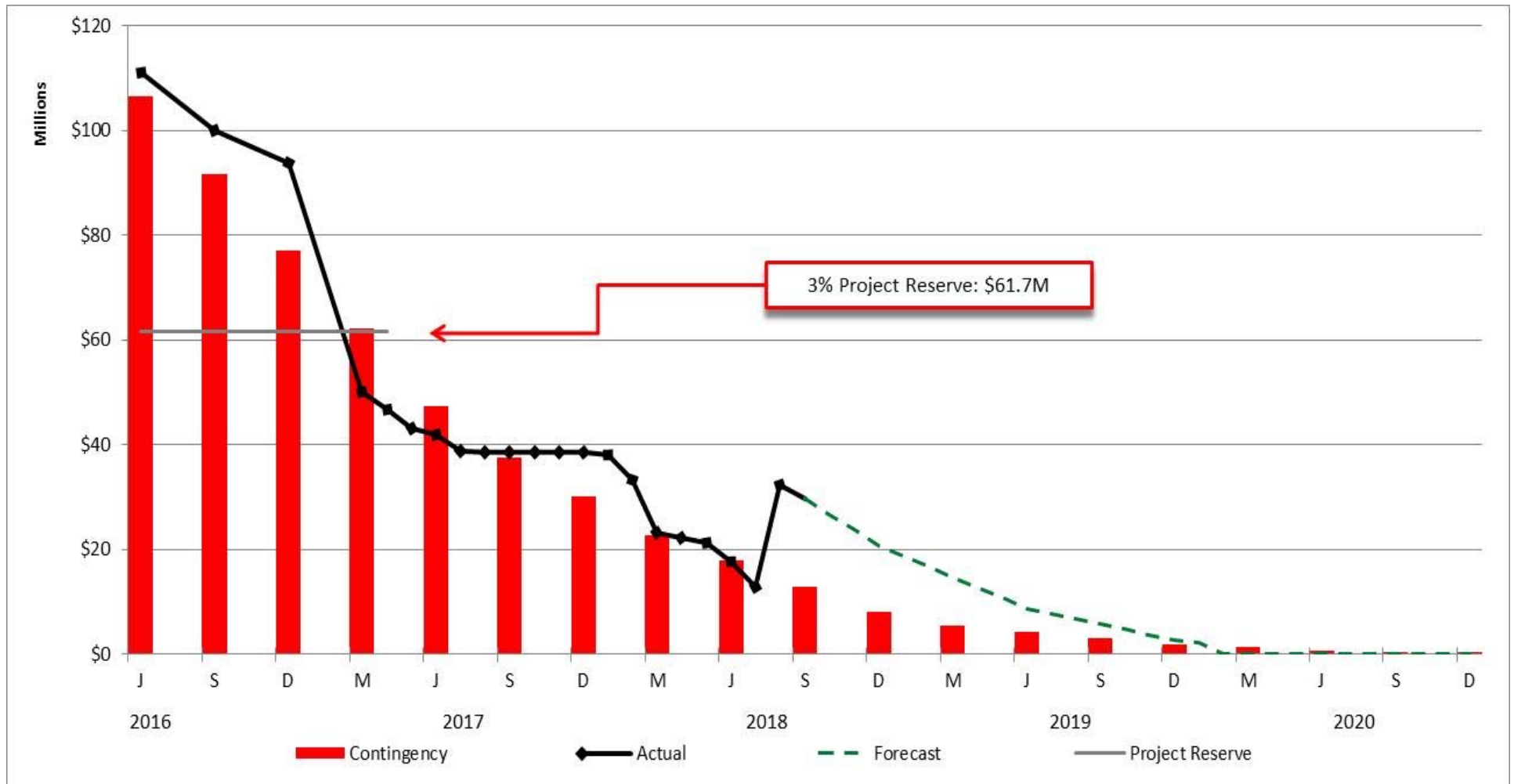


Metro 14

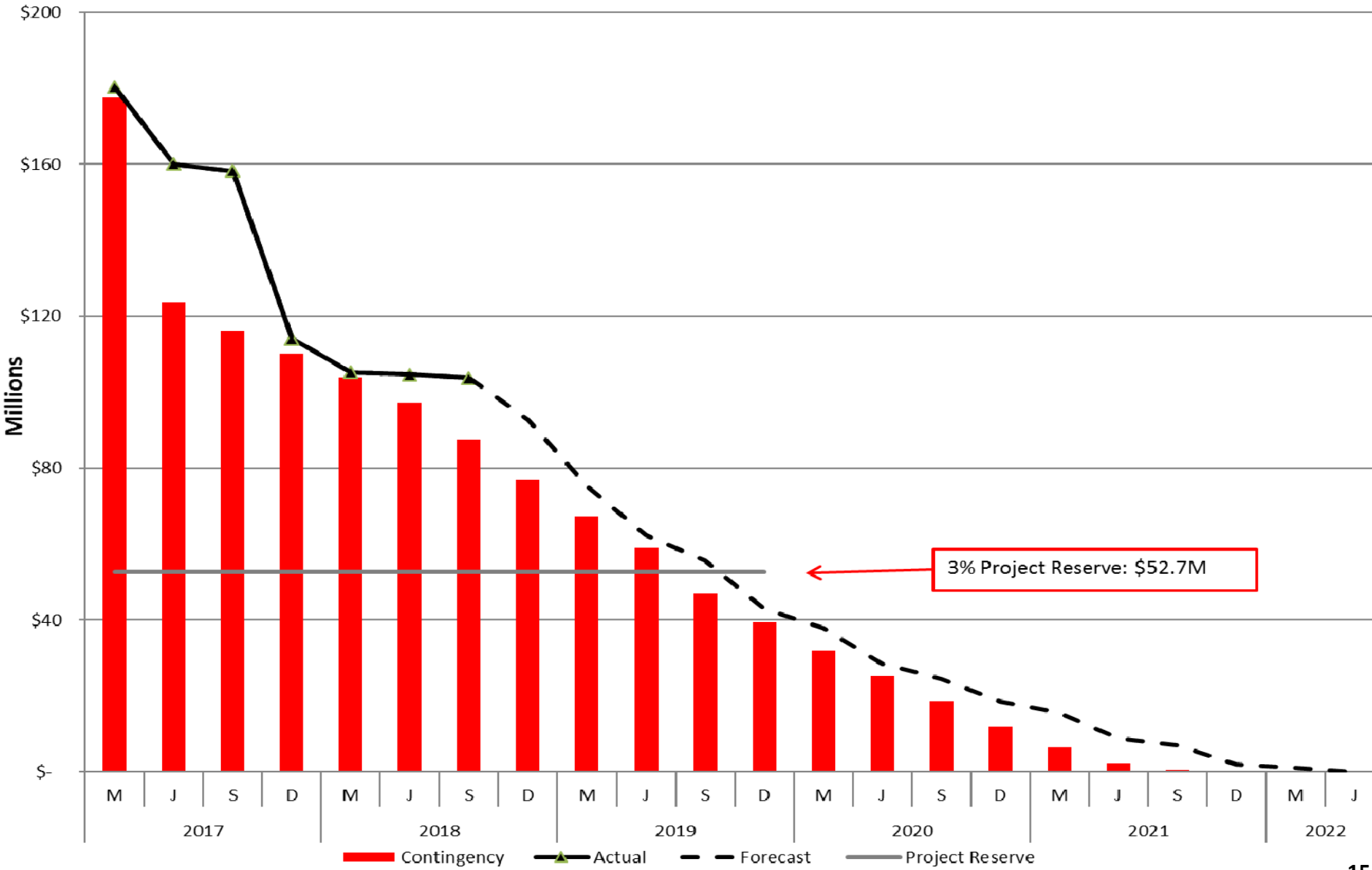
Crenshaw/LAX Transit Project

Project Cost Contingency Drawdown

September 2018



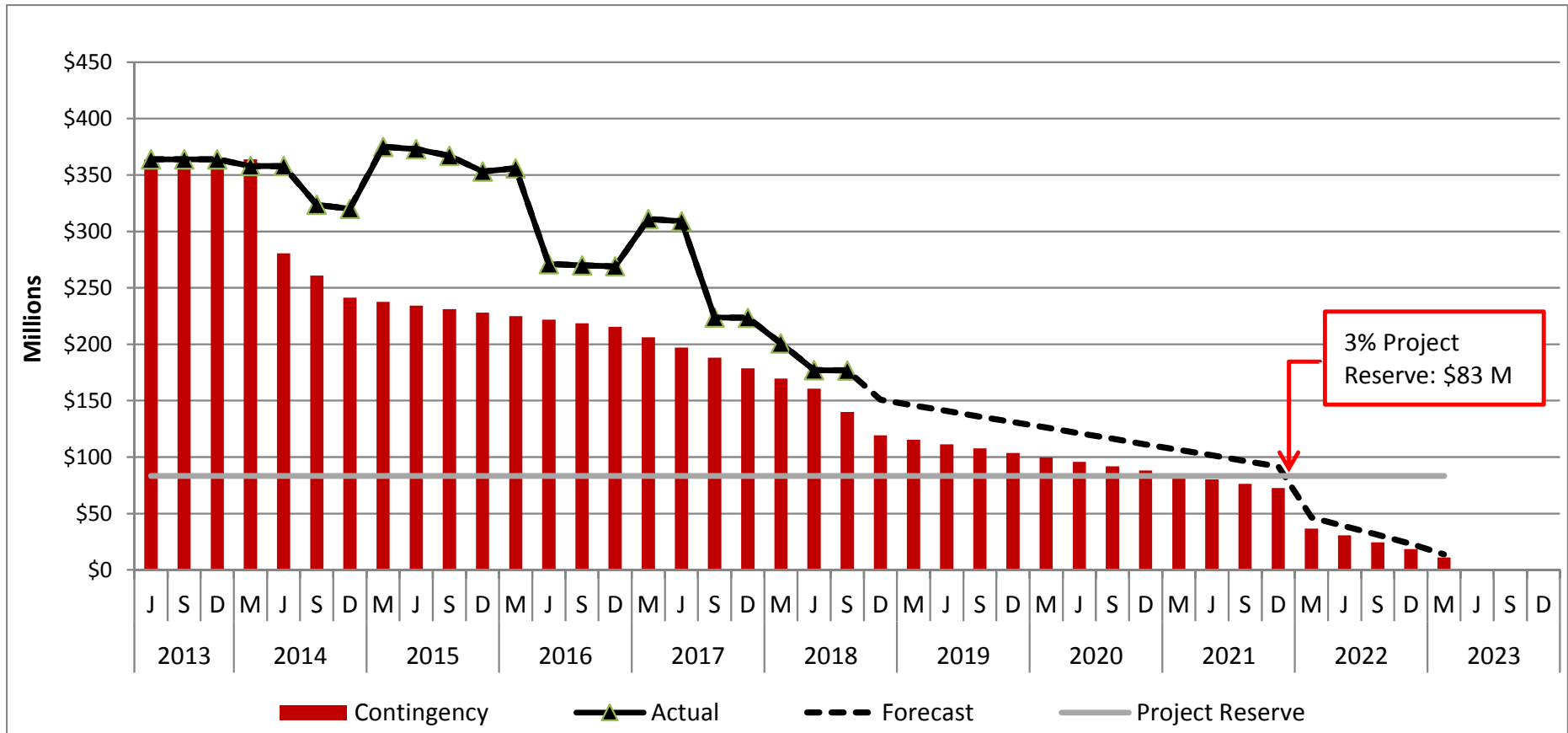
Regional Connector Project Cost Contingency Drawdown



Westside Purple Line Extension – Section 1

Project Cost Contingency Drawdown

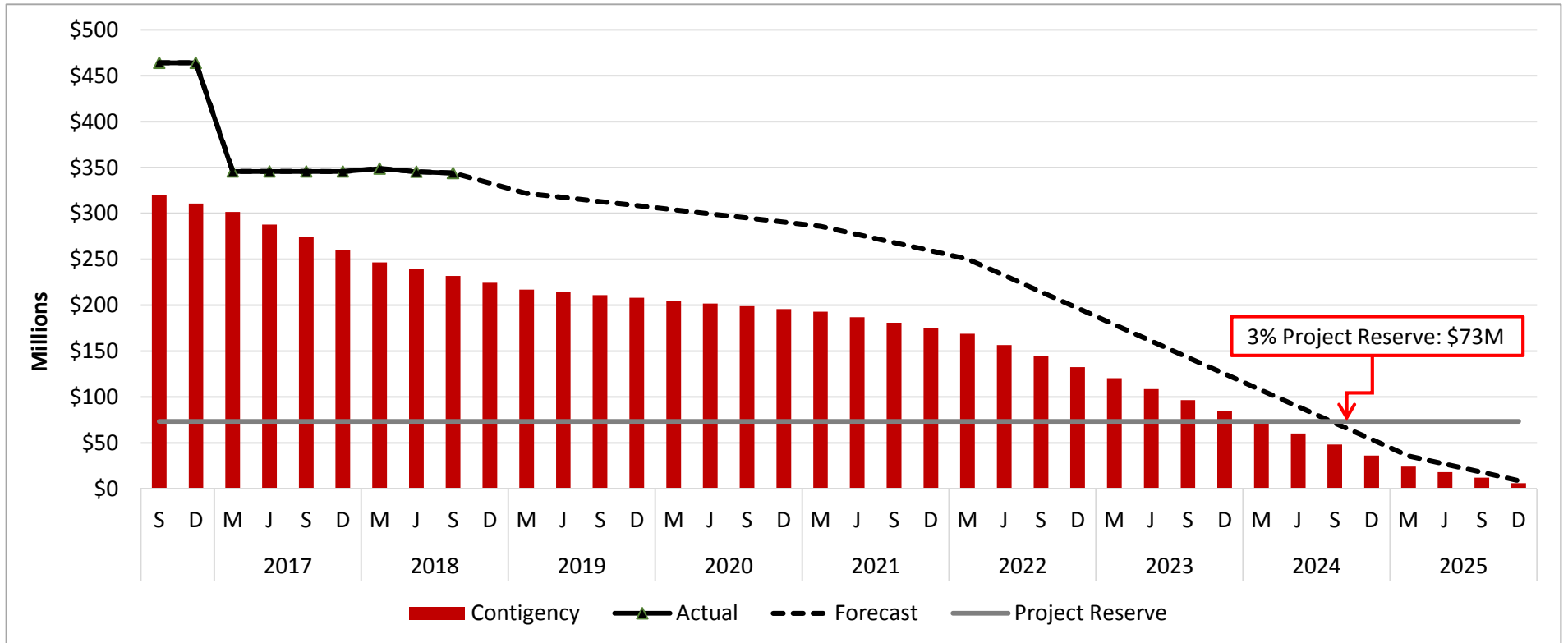
September 2018



Westside Purple Line Extension – Section 2

Project Cost Contingency Drawdown

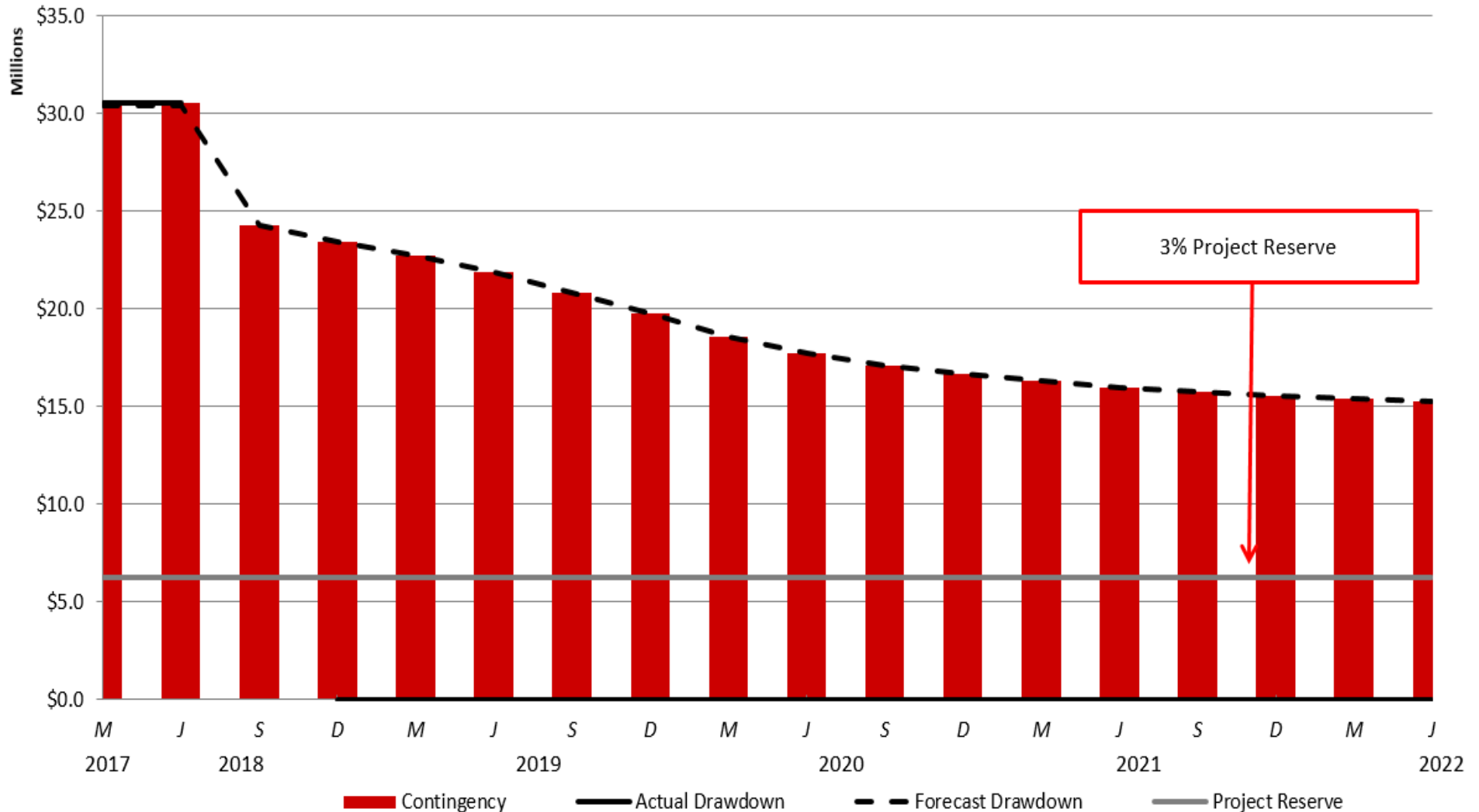
September 2018



The New Blue

September 2018

Project Cost Contingency Drawdown



- Blue Line Signal Rehabilitation
- Blue Line Track and System Refurbishment