



Board Report

File #: 2020-0690, File Type: Oral Report / Presentation

Agenda Number: 29.

CONSTRUCTION COMMITTEE NOVEMBER 19, 2020

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 2020 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, EO Project Engr., (213) 922-7297
- **Willowbrook/Rosa Park Station** - Timothy Lindholm, EO Project Engr., (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** - Yohana Jonathan, Princ. Prog. Mgmt. Analyst, (213) 418-3031



Phillip A. Washington
Chief Executive Officer





















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			Project is 97% complete. Contractor is not applying sufficient work force to complete their remaining work. Metro continues to work with contractor to mitigate the schedule forecast; emphasizing safety and reliability in final acceptance of project elements and systems.
Regional Connector			Project is 71% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 1			Project is 65% complete. Reviewing any impacts differing site conditions and third party requirements may have on the project schedule.
Westside Purple Line Extension-Section 2			Project is 38% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 3			Project is 15% complete and proceeding on schedule and within budget.
Patsaouras Plaza			Project is 98% complete and Substantial Completion is anticipated to be achieved in late October 2020.
Willowbrook/Rosa Parks Station			'A' Line Platform/Mezzanine and Vertical Circulation punch complete and open for public operations on 10/2/20. Customer Center, Mobility Hub + Public Plaza and promenade finalizing preparations for turnover to Metro Mid-October. Package B grading and utility work ongoing. Southern Ped Crossing opened to the public.
I-210 Barrier Replacement			Caltrans provided Metro with review comments for Project 1 Final PS&E Package on October 7. Design team is addressing the comments and Caltrans final design approval of Project 1 is anticipated in November. Development of the Project 2 PSR-PR is underway. PSR-PR for Project 2 is expected to be completed in August 2021.
I-5 North: SR 118 to SR 134			Segment 1 and 2 are completed. Segment 3 (Empire Ave & Burbank) is 84% complete. Segment 4 (Magnolia to SR-134) is 97% complete and began the plant establishment phase on June 1, 2020.
I-5 South: Orange County Line to I-605			Segments 1, 3, and the Carmenita Interchange are completed. Segment 2 (Valley View) is 69% complete. Segment 4 (Imperial) is 97% complete and began the plant establishment phase on Jan 31, 2020. Segment 5 (Florence) is 91% complete.

November 2020

Construction Committee

Los Angeles County Metropolitan Transportation Authority



On target



Possible problem



Significant Impact



Metro 2

CRENSHAW/LAX TRANSIT PROJECT

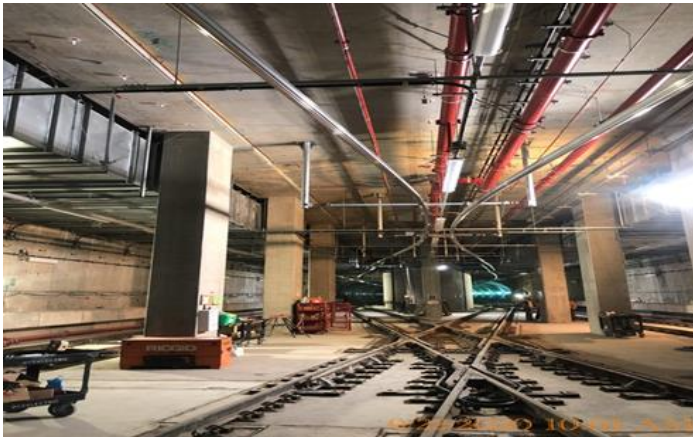
◆ BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$2,148M	\$2,148M

▲ SCHEDULE

	<u>Current</u>	<u>Forecast</u>
REVENUE OPERATION	May 2021	TBD - 2021

- Overall Project Progress is 97% complete.
- Contractor is not applying sufficient work force to complete their remaining work.
- Metro continues to work with contractor to mitigate the schedule forecast; emphasizing safety and reliability in final acceptance of project elements and systems.
- Remaining work is primarily systems – power, train control, station/tunnel fire life safety and communications.



EXPO/CRENSHAW STATION – Installing supports and fixtures for the crossover lighting at the invert level.



MARTIN LUTHER KING JR. STATION – Installing edge lighting at the plaza level.

November 2020



On target



Possible problem



Significant Impact



Metro 3

Construction Committee

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REGIONAL CONNECTOR TRANSIT PROJECT

BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$1,816M	\$1,816M

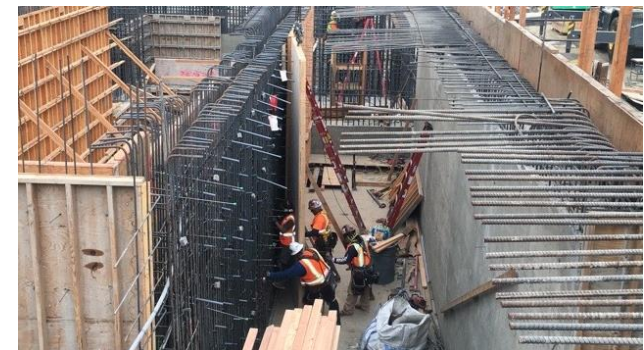
SCHEDULE

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

- Overall Project Progress is 71% complete.
- Little Tokyo/Arts District Station & Surrounding Area:** Gold Line Little Tokyo/Arts District Station closed; Bus Bridge ongoing.
- Historic Broadway and Grand Av Arts/Bunker Hill Stations:** Structural concrete, MEP and systems installation continues throughout the Station.
- Flower Street:** Installation of walls and roof near completion for tie-in to 7th/Metro Station.
- Trackwork:** Installation efforts underway in all reaches; special trackwork procurements experiencing fabrication delays.



Exterior wall segment installation at Alameda Leg



Form installation at upper roof emergency exit structure in Grand Av Arts/Bunker Hill Station

November 2020



On target



Possible problem



Significant Impact

Construction Committee

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Metro 4

WESTSIDE PURPLE LINE EXTENSION – SECTION 1

BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST*	\$3,354M	\$3,354M

* Includes Board approved LOP budget plus finance costs.

SCHEDULE

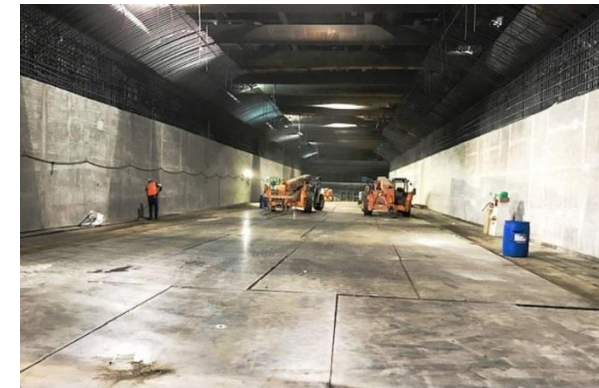
	<u>Current</u>	<u>Forecast</u>
REVENUE	Fall	Fall
OPERATIONS	2024 (FFGA)	2023

Overall Project Progress is 65% complete.

- Wilshire/Western Retrieval Shaft:** Continued support of Reach 1 cross passage construction. Minor work on break through into Wilshire/Western Station continues on weekends.
- Wilshire/La Brea Station:** Structural concrete placements continue with the next roof placement (Block 5) scheduled for October 17, 2020. Backfill (above the roof) activities, plenum work and appendage construction have commenced.
- Wilshire/Fairfax Station:** Interior wall concrete placements are scheduled in October 2020. Entrance plaza structure and appendage work continue.
- Wilshire/La Cienega Station:** Structural concrete placements continue with the next roof placement (Block 6) scheduled for October 16, 2020. Mud mat placement for the entrance structure is also scheduled for October 16, 2020.
- Tunneling:** As of October 13, 2020, the Purple TBM (Elsie) has mined 2,503 feet (76% complete) and the Red TBM (Soyeon) has mined 2,274 feet (69% complete) of the Reach 3 tunnel.
- Reach 1 Tunnel Cross Passages (CP):** 7 out of 12 cross passages have been excavated. Concrete placement for 3 cross passages have been completed (#10, #11, #13). Work continues at all other cross passages. Completion is anticipated in February 2021.
- Reviewing any impacts differing site conditions and third party requirements may have on the project schedule.




Wilshire/Fairfax Station Interior Wall Formwork




View of Wilshire/La Cienega Station Concourse Level

November 2020

Construction Committee

 On target

 Possible problem

 Significant Impact

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.



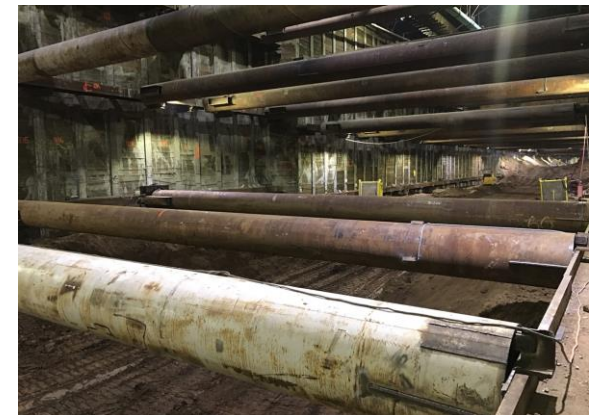
SCHEDULE

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

- **Overall Project progress is 38% complete.**
- **Century City Constellation Station**
 - Pile installation in Constellation Boulevard west of the launch box is anticipated to be complete by late November 2020.
 - Decking operations west of the launch box are anticipated to be completed in January 2021.
- **Wilshire/Rodeo Station**
 - Excavation of the station box and entrance is continuing with an anticipated completion by February 2021.
- **Tunneling**
 - The abandonment of the two legacy oil wells by BHUSD’s contractor is ongoing with oversight by CalGEM. Both wells are in the path of the BR tunnel. Abandonment of the second well is currently ongoing.
 - The BL and BR TBMs (Ruth and Harriet) reached the tunnel access shaft in September 2020. They will be re-launched upon completion of the oil well abandonment work at BHHS.



BL TBM “Ruth” at Tunnel Access Shaft



Excavation of the Wilshire/Rodeo Station

November 2020



On target



Possible problem



Major issue

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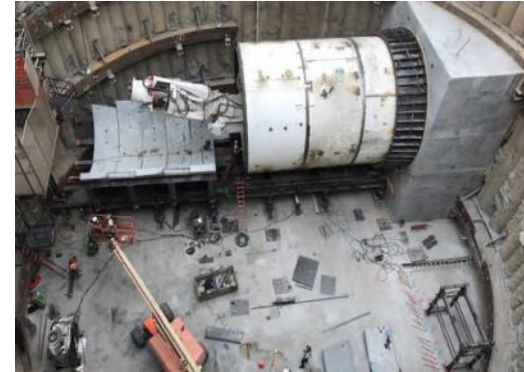
Metro 7

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

OK BUDGET		
	<u>Current</u>	<u>Forecast</u>
TOTAL COST*	\$3,611M	\$3,611M
* Includes Board approved LOP budget plus finance costs.		

OK SCHEDULE		
	<u>Current</u>	<u>Forecast</u>
REVENUE OPERATION	Winter 2028 (FFGA)	Spring 2027

- Overall Project progress is 15% complete
- Final design progress is 71% complete
- **C1151 Tunnel Contract**
 - In shaft - commissioning of TBM #1 in Tail Track Exit Shaft continues.
 - TBM #2 is being assembled for the BL tunnel.
 - Fabrication of tunnel precast concrete liners are ongoing.
 - Installation of instrumentation and monitoring equipment are ongoing.
- **C1152 Stations, Trackwork, and Systems Contract**
 - Final design is ongoing.
 - VA parking lots refurbishment for temporary displaced parking during construction and electrical service conduit for the station is complete.
 - Westwood/VA Station electrical service conduit installation along Wilshire Boulevard will continue for several months.
- **Other Third Party Utility Relocation Work**
 - Cable pulling/splicing in the joint trench (Verizon and Frontier) at the Westwood/UCLA Station is nearing completion. The LADWP cutover for the Westwood Medical Center anticipated in 2021.



Installation of Temporary Invert Segments on Gantry Cradle at Base of Excavated Tail Track Exit Shaft



Demolition of Existing Storm Drain at UCLA Lot 36

November 2020



On target



Possible problem



Significant Impact

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Metro 7

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	Summer 2020	Fall 2020

- Overall project progress at approximately 98% complete.
- Substantial Completion anticipated late October 2020.
- Elevator issues primary cause of delay.



November 2020

 On target

 Possible problem

 Significant Impact

WILLOWBROOK/ROSA PARKS STATION

BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$128.4M	\$128.4M

SCHEDULE

	<u>Current</u>	<u>Forecast</u>
SUBSTANTIAL COMPLETION	March 2021	March 2021

- Package A: Customer Center, Mobility Hub and Public Plaza are substantially complete and in preparations for turnover to Metro Mid-October with public opening planned for End of October. Southern pedestrian crossing completed and open to the public as of September 15, 2020.
- Package C: Vertical Circulation components and north end of Mezzanine opened to the public October 2, 2020. Remaining punch list and finish work ongoing throughout the platform.
- Package B: Package B grading work ongoing with hardscape scheduled to begin end of October. Bus Operations fully moved to temporary bays near southern ped crossing. Final work on elevator 4 in progress with expected completion by end of October. Once completed, the central circulation area (Elevator 3 and Escalator) will be shut down to allow for full Package B area to be constructed.



Grading Work @ Package B



Mezzanine and North End of Platform complete



Mobility Hub, Customer Service Building and Public Plaza substantially complete

November 2020



On target



Possible problem



Significant Impact



Metro 9

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I-210 BARRIER REPLACEMENT PROJECT

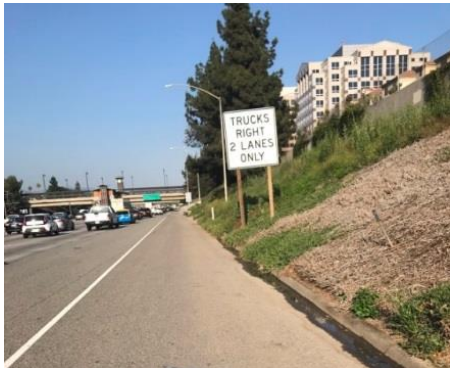
BUDGET

	<u>Current</u>	<u>Forecast</u>
TOTAL COST	\$22.54M	\$22.54M
	Design	Design

SCHEDULE

	<u>Current</u>	<u>Forecast</u>
Complete Design (Proj 1)	Nov 2020	Fall 2020
Complete Design (Proj 2)	Aug 2022	Summer 2022

- Project 1: Segment from Michillinda to Iconic Bridge – Caltrans provided review comments for Project 1 Final PS&E Package on Oct 7. Design team is addressing Caltrans comments and anticipates Caltrans final design approval in November.
- Project 2: Segment from west end of the project to Michillinda – Development of Project Report for Project 2 is underway. Project 2 PSR-PR is expected to be completed in August 2021.



Newly Installed Caltrans Freeway Sign





Incident in 2014



Newly Installed Speed Limit Sign

November 2020

 On target

 Possible problem

 Significant Impact

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I-5 Construction Projects (By Caltrans)

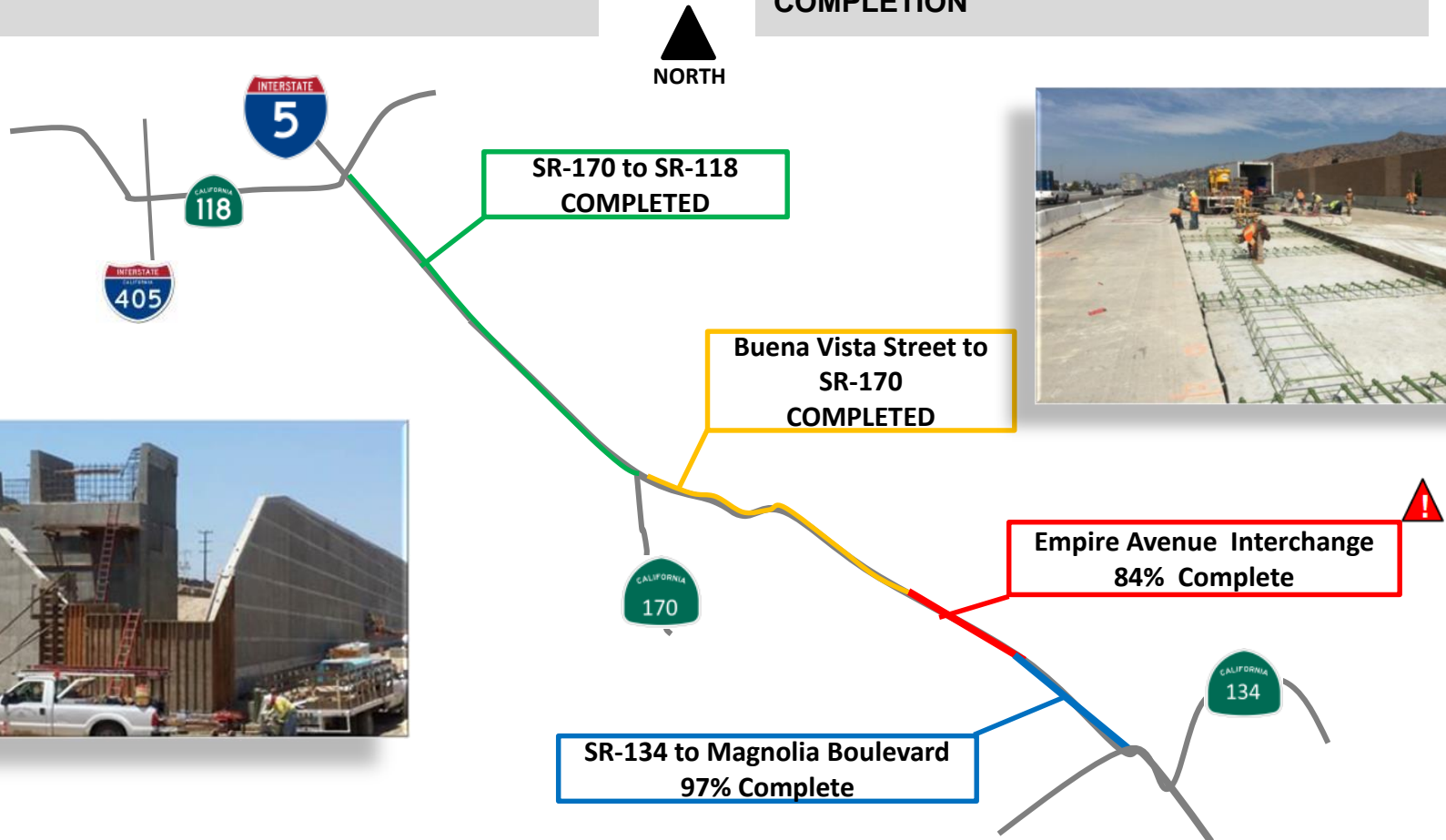


I-5 NORTH: SR 118 TO SR 134



! BUDGET	Current	Forecast
	TOTAL COST	\$880.9M

! SCHEDULE	Current	Forecast*
	ANTICIPATED PROJECT COMPLETION	Summer 2022



November 2020



On target



Possible problem



Significant Impact



Metro 12

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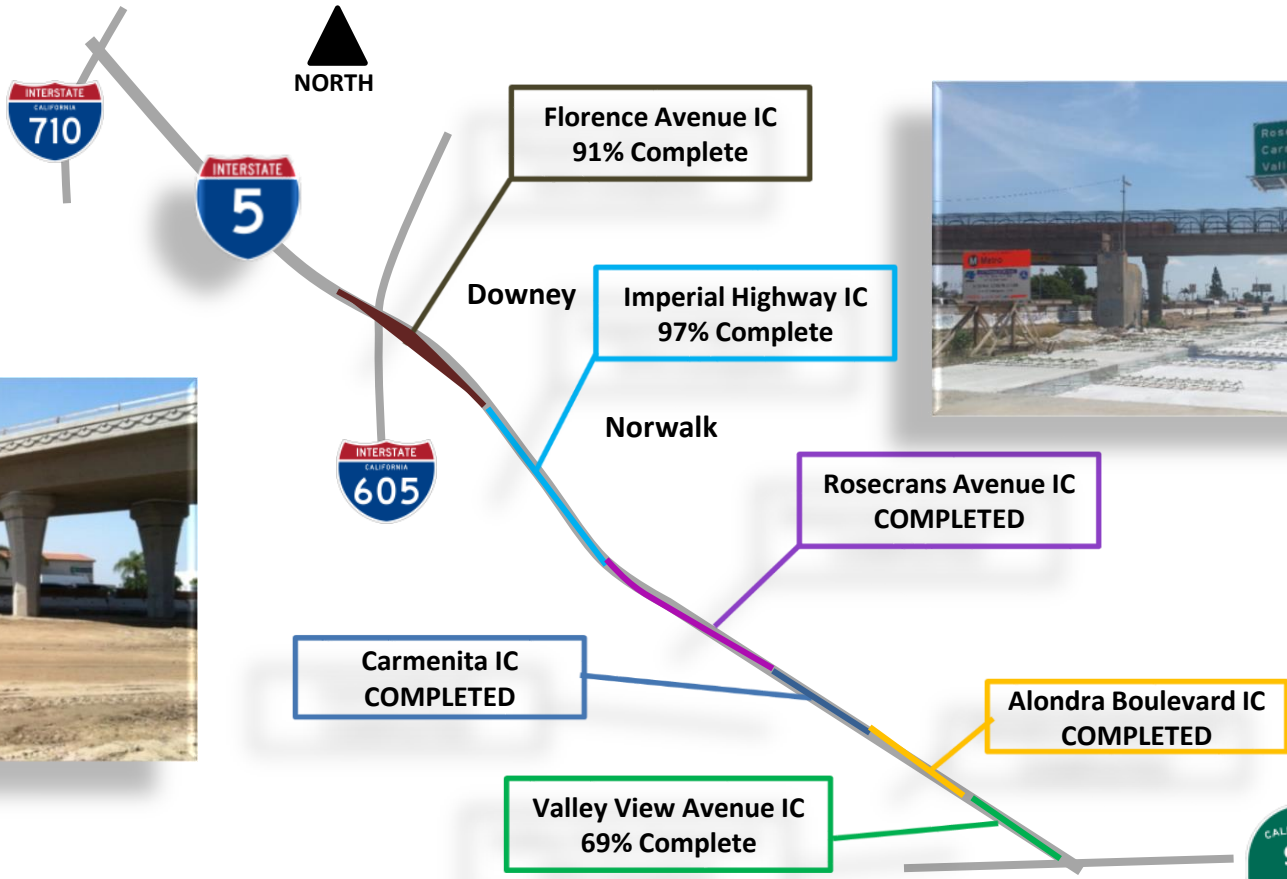
* Risk Analysis, Aug 2020

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



Metro 13

November 2020

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On target



Possible problem



Significant Impact

* Risk Analysis, Aug 2020