



Board Report

File #: 2020-0647, **File Type:** Oral Report / Presentation

Agenda Number: 31.

CONSTRUCTION COMMITTEE OCTOBER 15, 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 October 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





















October 2020

Construction Committee

Los Angeles County Metropolitan Transportation Authority



PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

| Project | Cost Performance | Schedule Performance | Comments |
|-------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crenshaw/LAX |  |  | Project is 96.4% complete. Contractor needs to increase work force to achieve substantial completion by December 2020. Revised forecast for revenue operations to 2021. |
| Regional Connector |  |  | Project is 70% complete and proceeding on schedule and within budget. |
| Westside Purple Line Extension-Section 1 |  |  | Project is 64% 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 36% complete and proceeding on schedule and within budget. |
| Westside Purple Line Extension-Section 3 |  |  | Project is 14% complete and proceeding on schedule and within budget. |
| Patsaouras Plaza |  |  | Project is 95% complete and Substantial Completion is anticipated to be achieved in mid October 2020. |
| Willowbrook/Rosa Parks Station |  |  | 'A' Line Platform/Mezzanine and Vertical Circulation punch list work ongoing while station is in operation. Customer Center, Mobility Hub + Public Plaza and promenade finalizing preparations for turnover to Metro. Package B grading and utility work ongoing. Southern Ped Crossing opened September 15, 2020. |
| I-210 Barrier Replacement |  |  | Project 1 Final PS&E Package under review, Caltrans approval anticipated in Oct 2020. 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 68% complete. Segment 4 (Imperial) is 97% complete and began the plant establishment phase on Jan 31, 2020. Segment 5 (Florence) is 90% complete. |

October 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 |

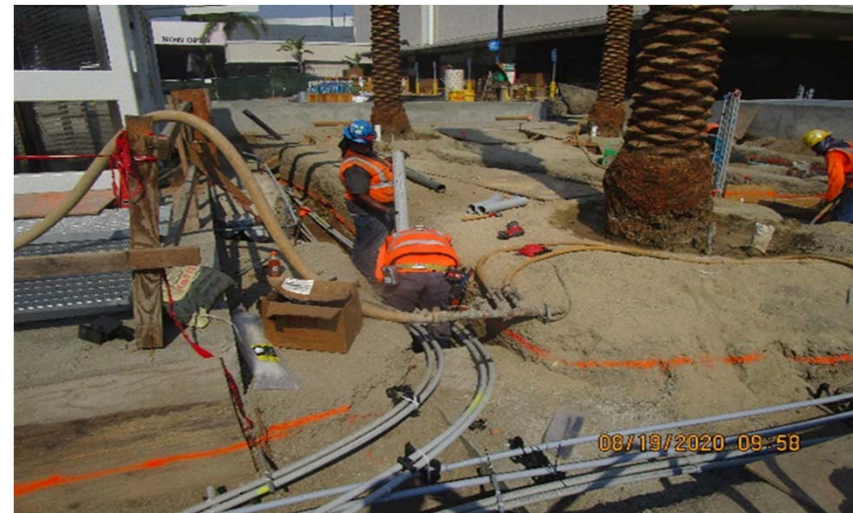
▲ SCHEDULE

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

- Overall Project Progress is 96.4% complete.
- Contractor continues work at all stations and street work restoration/landscaping across Project.
- Concerned that contractor is still not applying sufficient work force to complete their remaining work including critical systems installations and testing by December 2020.



LEIMERT PARK STATION – Continue installing art glass panels around the main entrance canopy structure at the plaza level.



MARTIN LUTHER KING JR. STATION – Continue installing conduit for landscape lighting throughout the plaza level.

October 2020



On target



Possible problem



Significant Impact

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Los Angeles County Metropolitan Transportation Authority



Metro 3

REGIONAL CONNECTOR TRANSIT PROJECT

OK BUDGET

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

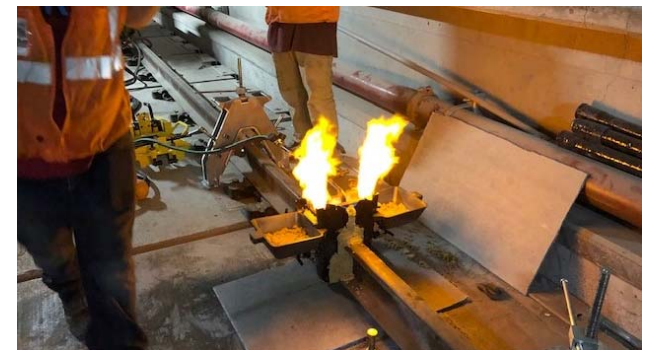
OK SCHEDULE

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

- Overall Project Progress is 70% complete.
- Little Tokyo/Arts District Station & Surrounding Area:** Final preparations underway for decommissioning Gold Line Little Tokyo/Arts District Station scheduled to begin October 24th.
- Historic Broadway Station:** Entrance structure construction advancing as planned.
- Grand Av Arts/Bunker Hill Station:** Structural concrete, MEP and systems installation continues throughout the Station.
- Flower Street:** Installation of final walls and roof continue for tie-in to 7th/Metro Station.



Stainless steel elevator frames at platform level at Historic Broadway Station



Pre-heating process for Orgo-Thermite rail welding

October 2020



On target



Possible problem



Significant Impact

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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 64% complete.
- Wilshire/Western Retrieval Shaft:** Continued support of Reach 1 cross passage construction. Break through into Wilshire/Western Station continues.
- Wilshire/La Brea Station:** Station structure concrete work continues including 2nd lift exterior walls and concrete roof placement . Concrete for the first set of permanent stairs was placed on September 4, 2020.
- Wilshire/Fairfax Station:** The first concourse concrete placement (Block 10) occurred on August 22, 2020. Entrance plaza structure and appendage work continue.
- Wilshire/La Cienega Station:** Structural concrete placement continues. The first 2nd lift wall placement in the high bay area (Block 10) was completed on September 11, 2020.
- Tunneling:** As of September 13, 2020, the Purple TBM (Elsie) has mined 1,992 feet (61% complete) and the Red TBM (Soyeon) has mined 1,734 feet (53% complete) of the Reach 3 tunnel.
- Reach 1 Tunnel Cross Passages (CP):** 6 out of 12 cross passages have been excavated. Concrete placement of the 1st cross passage is complete (CP #11). 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 Concourse Concrete



Roof Shoring Frames at Wilshire/La Cienega Station

October 2020

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Los Angeles County Metropolitan Transportation Authority



On target



Possible problem



Significant Impact



Metro⁵

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 36% complete.

Century City Constellation Station

- Pile installation in Constellation Boulevard west of the launch box is anticipated to be complete by November 2020.
- Decking operations west of the launch box are anticipated to be completed by Thanksgiving 2020.

Wilshire/Rodeo Station

- Excavation of the station box was 50% completed as of late September 2020.

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 first well was completed in September 2020.
- The BL TBM (Ruth) entered the tunnel access shaft in September 2020.
- The re-launch of the BR TBM (Harriet) will occur after completion of the oil well abandonment work by BHUSD.
- Tunneling operations will be transitioned to the access shaft after each TBM passes through the shaft.



BL TBM "Ruth" at Tunnel Access Shaft



Excavation of the Wilshire/Rodeo Station

October 2020



On target



Possible problem



Major issue

Construction Committee

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Metro 7

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

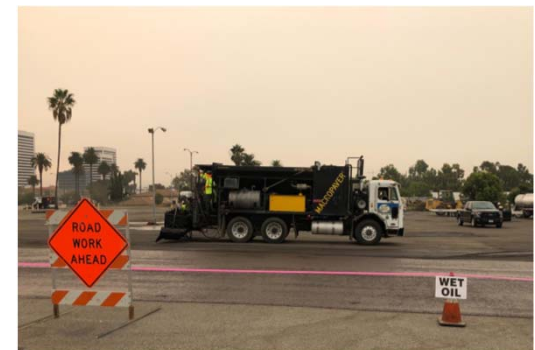
| OK BUDGET | | |
|----------------------------------------------------------|----------------|-----------------|
| | <u>Current</u> | <u>Forecast</u> |
| TOTAL COST* | \$3,611M | \$3,611M |
| * Includes Board approved LOP budget plus finance costs. | | |

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

- Overall Project progress is 14% complete
- Final design progress is 68% complete
- **C1151 Tunnel Contract**
 - TBM No.1 has been assembled in the tail track exit shaft (launch shaft); starter gantry to follow.
 - TBM launch seal and headwall are complete.
 - Southern California Edison completed their work to provide power to operate the TBMs.
 - 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.
 - Relocation of the Stone Canyon Storm Drain at the Westwood/UCLA Station parking Lot 36 site has been completed.
 - VA parking lots refurbishment for temporary displaced parking during construction and electrical service conduit for the station is ongoing.
- **Other Third Party Utility Relocation Work**
 - Joint trench for combining Verizon and Frontier telecommunications remaining work, cable pulling/splicing, is anticipated to complete by October 30, 2020.



TBM Assembly at Base of Excavated Tail Track Exit Shaft



Paving Refurbishment at VA Parking Lot 3

October 2020



On target



Possible problem



Significant Impact

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Los Angeles County Metropolitan Transportation Authority



Metro 7

PATSAOURAS BUS PLAZA STATION

| OK 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 mid October 2020.
- Outstanding contractual disputes resolved with Contractor.



Pedestrian Overcrossing to Patsaouras Bus Plaza



Pedestrian Ramp with Public Art Component



Pedestrian Ramp to Platform

October 2020



On target



Possible problem



Significant Impact

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Los Angeles County Metropolitan Transportation Authority



Metro 8

WILLOWBROOK/ROSA PARKS STATION

OK BUDGET

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

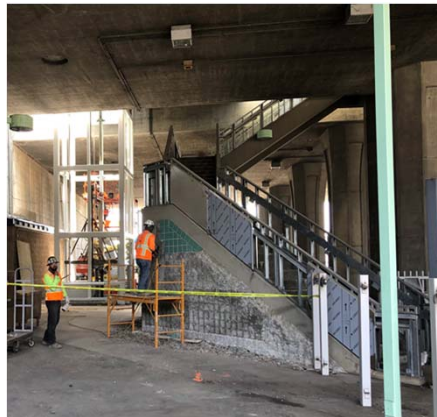
OK SCHEDULE

| | <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 September/early October. Southern pedestrian crossing completed and open to the public as of September 15, 2020.
- Package C: Final Finishes, Systems (Variable Message Sign, TAP) and Vertical Circulation punch list work ongoing while Station is in Operations. North end of mezzanine and stair to C Line platform construction near completion and scheduled to be open to the public end of September.
- Package B: Package B grading ongoing with underground utility work started. Bus Operations and Communications coordinated for move of bus service to temporary bays near southern ped crossing when southern crossing opens. This will free up the entire Package B area for construction.



Grading Work @ Package B



Work at West C Line Entrance



Mobility Hub, Customer Service Building and Public Plaza substantially complete



October 2020



On target



Possible problem



Significant Impact

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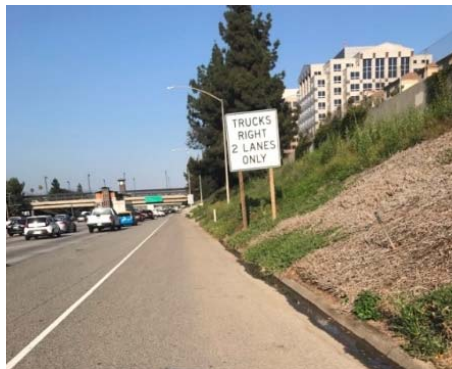
Metro 9

I-210 BARRIER REPLACEMENT PROJECT

| OK BUDGET | | |
|------------|----------------|-----------------|
| | <u>Current</u> | <u>Forecast</u> |
| TOTAL COST | \$22.54M | \$22.54M |
| | Design | Design |

| OK SCHEDULE | | |
|--------------------------|----------------|-----------------|
| | <u>Current</u> | <u>Forecast</u> |
| Complete Design (Proj 1) | Oct 2020 | Fall 2020 |
| Complete Design (Proj 2) | Jan 2022 | Winter 2022 |

- Project 1: Segment from Michillinda to Iconic Bridge – Project 1 Final PS&E Package is under review. Metro anticipates Caltrans approval in October 2020.
- 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

October 2020



On target



Possible problem



Significant Impact

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Metro 10

I-5 Construction Projects (By Caltrans)



October 2020
Construction Committee
Los Angeles County Metropolitan Transportation Authority

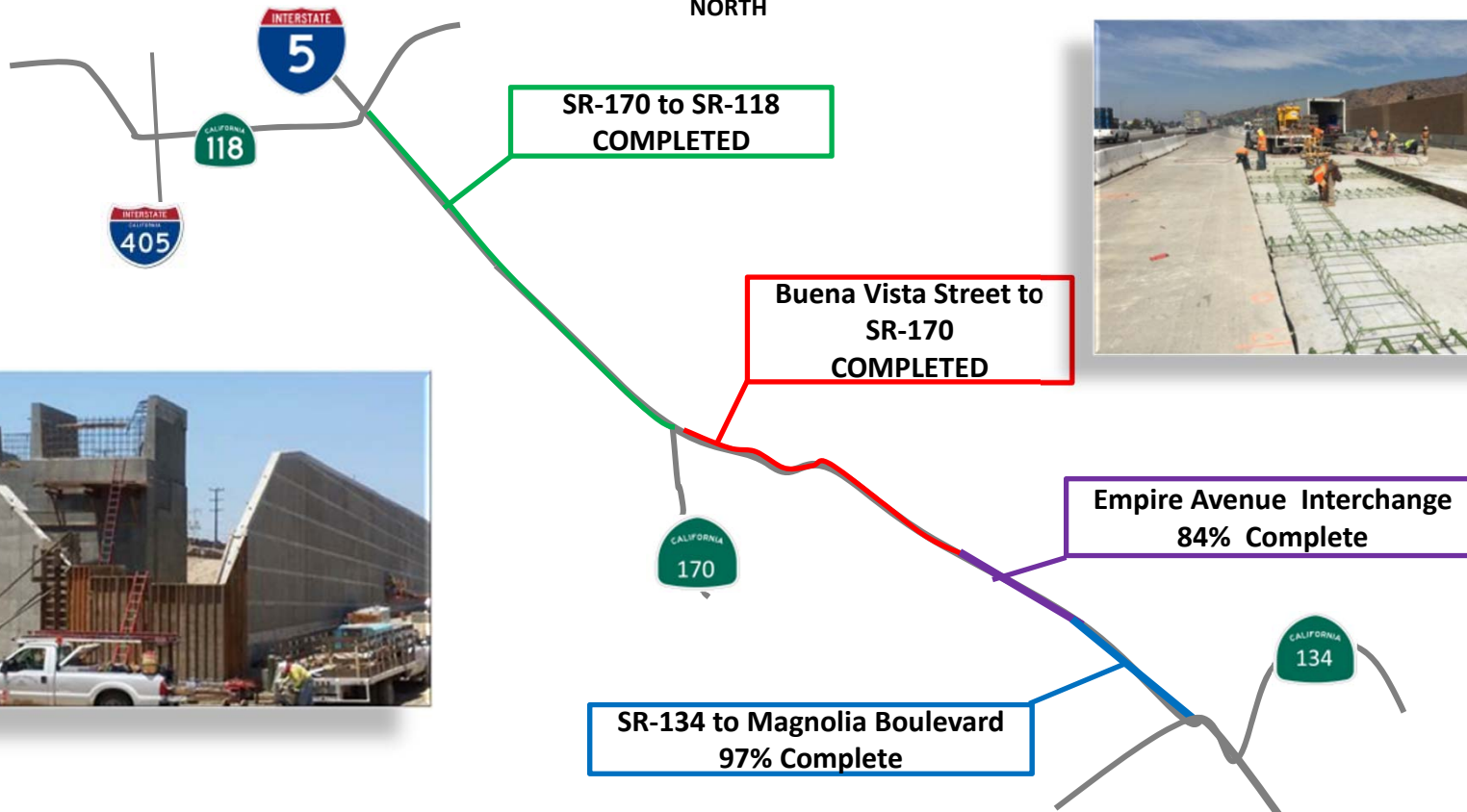


I-5 NORTH: SR 118 TO SR 134



| ⚠ BUDGET | | |
|------------|----------|-----------|
| TOTAL COST | Current | Forecast |
| | \$880.9M | \$930.2M* |

| ⚠ SCHEDULE | | |
|--------------------------------|-------------|-------------|
| ANTICIPATED PROJECT COMPLETION | Current | Forecast* |
| | Summer 2022 | Winter 2022 |



October 2020



On target



Possible problem



Significant Impact

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Metro 12

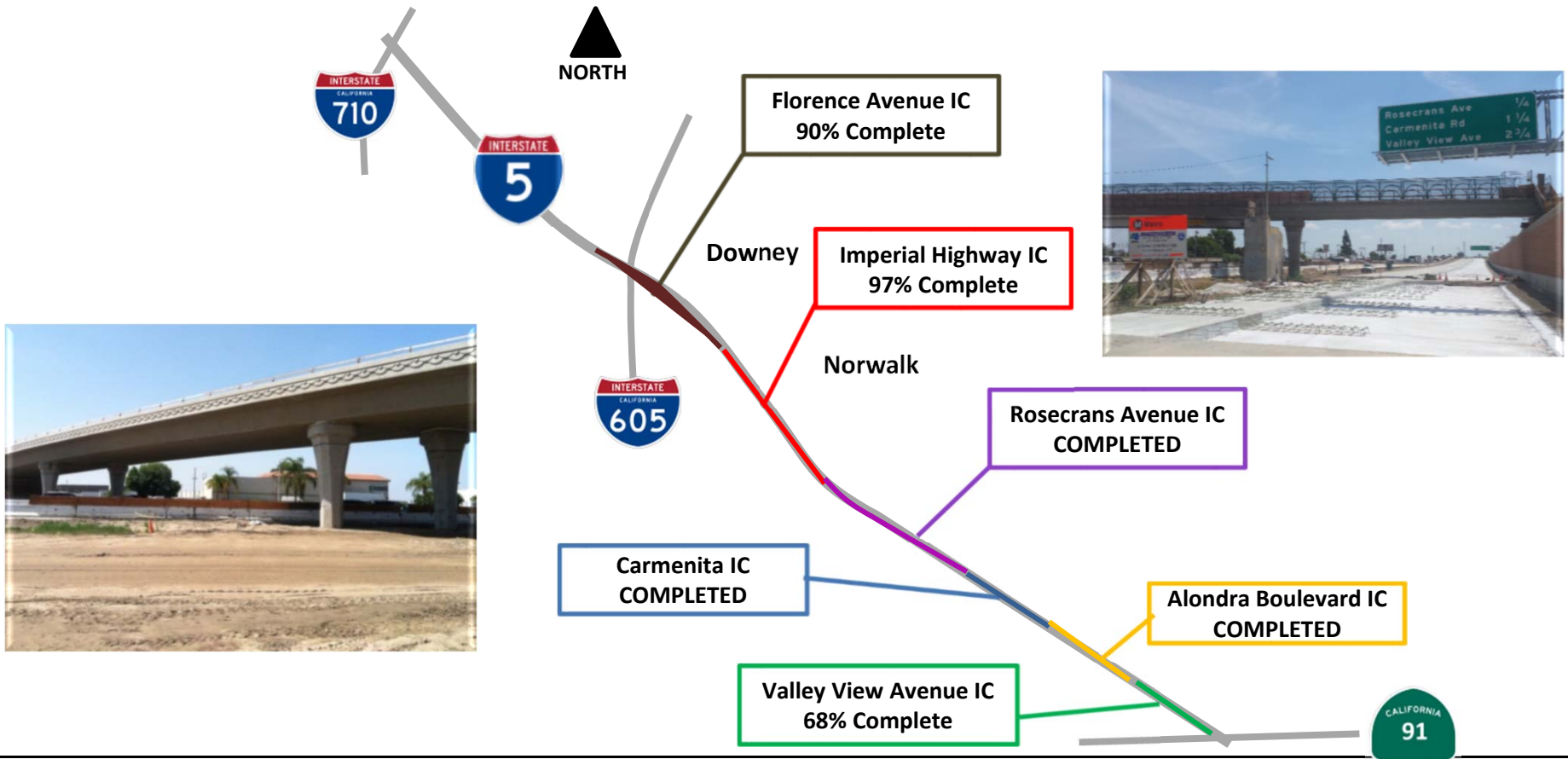
* Risk Analysis, Aug 2020

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 |



October 2020

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On target



Possible problem



Significant Impact



Metro 13

* Risk Analysis, Aug 2020