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**Agenda - Final**

**Thursday, November 19, 2020**

**10:30 AM**

To give written or live public comment, please see the top of page 4

## **Construction Committee**

*Janice Hahn, Chair*

*Paul Krekorian, Vice Chair*

*Kathryn Barger*

*Jacquelyn Dupont-Walker*

*Robert Garcia*

*John Bulinski, non-voting member*

*Phillip A. Washington, Chief Executive Officer*

**METROPOLITAN TRANSPORTATION AUTHORITY BOARD RULES**  
(ALSO APPLIES TO BOARD COMMITTEES)

**PUBLIC INPUT**

A member of the public may address the Board on agenda items, before or during the Board or Committee's consideration of the item for one (1) minute per item, or at the discretion of the Chair. A request to address the Board must be submitted electronically using the tablets available in the Board Room lobby. Individuals requesting to speak will be allowed to speak for a total of three (3) minutes per meeting on agenda items in one minute increments per item. For individuals requiring translation service, time allowed will be doubled. The Board shall reserve the right to limit redundant or repetitive comment.

The public may also address the Board on non agenda items within the subject matter jurisdiction of the Board during the public comment period, which will be held at the beginning and/or end of each meeting. Each person will be allowed to speak for one (1) minute during this Public Comment period or at the discretion of the Chair. Speakers will be called according to the order in which their requests are submitted. Elected officials, not their staff or deputies, may be called out of order and prior to the Board's consideration of the relevant item.

Notwithstanding the foregoing, and in accordance with the Brown Act, this agenda does not provide an opportunity for members of the public to address the Board on any Consent Calendar agenda item that has already been considered by a Committee, composed exclusively of members of the Board, at a public meeting wherein all interested members of the public were afforded the opportunity to address the Committee on the item, before or during the Committee's consideration of the item, and which has not been substantially changed since the Committee heard the item.

In accordance with State Law (Brown Act), all matters to be acted on by the MTA Board must be posted at least 72 hours prior to the Board meeting. In case of emergency, or when a subject matter arises subsequent to the posting of the agenda, upon making certain findings, the Board may act on an item that is not on the posted agenda.

**CONDUCT IN THE BOARD ROOM** - The following rules pertain to conduct at Metropolitan Transportation Authority meetings:

**REMOVAL FROM THE BOARD ROOM** The Chair shall order removed from the Board Room any person who commits the following acts with respect to any meeting of the MTA Board:

- a. Disorderly behavior toward the Board or any member of the staff thereof, tending to interrupt the due and orderly course of said meeting.
- b. A breach of the peace, boisterous conduct or violent disturbance, tending to interrupt the due and orderly course of said meeting.
- c. Disobedience of any lawful order of the Chair, which shall include an order to be seated or to refrain from addressing the Board; and
- d. Any other unlawful interference with the due and orderly course of said meeting.

**INFORMATION RELATING TO AGENDAS AND ACTIONS OF THE BOARD**

Agendas for the Regular MTA Board meetings are prepared by the Board Secretary and are available prior to the meeting in the MTA Records Management Department and on the Internet. Every meeting of the MTA Board of Directors is recorded and is available at [www.metro.net](http://www.metro.net) or on CD's and as MP3's for a nominal charge.

## DISCLOSURE OF CONTRIBUTIONS

The State Political Reform Act (Government Code Section 84308) requires that a party to a proceeding before an agency involving a license, permit, or other entitlement for use, including all contracts (other than competitively bid, labor, or personal employment contracts), shall disclose on the record of the proceeding any contributions in an amount of more than \$250 made within the preceding 12 months by the party, or his or her agent, to any officer of the agency, additionally PUC Code Sec. 130051.20 requires that no member accept a contribution of over ten dollars (\$10) in value or amount from a construction company, engineering firm, consultant, legal firm, or any company, vendor, or business entity that has contracted with the authority in the preceding four years. Persons required to make this disclosure shall do so by filling out a "Disclosure of Contribution" form which is available at the LACMTA Board and Committee Meetings. Failure to comply with this requirement may result in the assessment of civil or criminal penalties.

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## LIMITED ENGLISH PROFICIENCY

A Spanish language interpreter is available at all Committee and Board Meetings. All other languages must be requested 72 hours in advance of the meeting by calling (213) 922-4600 or (323) 466-3876.



**323.466.3876**

x2 *Español (Spanish)*

x3 *中文 (Chinese)*

x4 *한국어 (Korean)*

x5 *Tiếng Việt (Vietnamese)*

x6 *日本語 (Japanese)*

x7 *русский (Russian)*

x8 *Հայերէն (Armenian)*

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**NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA**

**Live Public Comment Instructions:**

Live public comment can only be given by telephone.

The Committee Meeting begins at 10:30 AM Pacific Time on November 19, 2020; you may join the call 5 minutes prior to the start of the meeting.

Dial-in: 888-251-2949 and enter  
English Access Code: 8231160#  
Spanish Access Code: 4544724#

*To give public comment on an item, enter #2 (pound two) when that item is taken up by the Board. Please note that the live video feed lags about 30 seconds behind the actual meeting. There is no lag on the public comment dial-in line.*

**Written Public Comment Instructions:**

Written public comments must be received by 5PM the day before the meeting.

Email: [jacksonm@metro.net](mailto:jacksonm@metro.net)

Post Office Mail:

Board Secretary's Office

One Gateway Plaza

MS: 99-3-1

Los Angeles, CA 90012

**CALL TO ORDER****ROLL CALL****APPROVE Consent Calendar Items: 26, 27, and 28.**

**Consent Calendar items are approved by one vote unless held by a Director for discussion and/or separate action.**

CONSENT CALENDAR

- 26. SUBJECT: FY20 TRANSIT SECURITY GRANT PROGRAM AWARD  
FOR FACILITIES HARDENING, VIDEO MANAGEMENT  
SYSTEM/SECURITY INTELLIGENCE AND  
CYBER-SECURITY**

[2020-0725](#)

**RECOMMENDATION**

ESTABLISH the Life-of-Project for the following capital projects:

- A. **INCREASE the Life-of-Project for Facilities Hardening by**

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**\$2,168,027.80 to \$3,298,827.80.** The project was awarded FY20 Transit Security Grant Program (TSGP) funds of \$3,500,000, and \$1,331,972.20 (38%) was aligned with the Metro Center Street Project LOP approved in October 2020.

- B. **APPROVE the Life-of-Project for Video Management System/Security Intelligence for \$632,189.40.** The project was awarded Transit Security Grant Program (TSGP) funds of \$5,268,245, and \$4,636,055.60 (88%) was aligned with the Metro Center Street Project LOP approved in October 2020.
- C. **APPROVE the Life-of-Project for Cyber Security Architecture Assessments for \$2,079,807.80.** The project was awarded Transit Security Grant Program (TSGP) funds of \$3,411,780, and \$1,331,972.20 (39%) was aligned with the Metro Center Street Project LOP approved in October 2020.
- D. **Amend the FY21 Budget** to include the FY20 TSGP grant award of \$4,880,025.00.

27. **SUBJECT: I-5 SOUTH CAPACITY ENHANCEMENTS FROM ORANGE COUNTY LINE TO I-605; SEGMENT 2 (Valley View)**

[2020-0561](#)

**RECOMMENDATION**

AUTHORIZE Contract Modification No. 11 Supplemental 3 (CCO 11S3) by the California Department of Transportation (Caltrans) for the construction contract of Segment 2 (Valley View) of the I-5 South Capacity Enhancements Project from Orange County Line to I-605 (Project) under Funding Agreement No. MOU.P0004292, Amendment No. 4, in the amount of up to \$500,000 within the overall corridor Life of Project (LOP) budget.

28. **SUBJECT: I-5 SOUTH CAPACITY ENHANCEMENTS FROM ORANGE COUNTY LINE TO I-605; SEGMENT 4 (Imperial)**

[2020-0723](#)

**RECOMMENDATION**

AUTHORIZE Contract Modification No. 141 (CCO 141) by the California Department of Transportation (Caltrans) for the construction contract of Segment 4 (Imperial Highway) of the I-5 South Capacity Enhancements Project from Orange County Line to I-605 (Project) under Funding Agreement No. MOU.P0004292, Amendment No. 4, in the amount of up to **\$1,230,002.97** 1,230,003.23 within the overall corridor Life of Project (LOP) budget.

NON-CONSENT

29. **SUBJECT: PROGRAM MANAGEMENT MAJOR PROJECT STATUS REPORT** [2020-0690](#)

**RECOMMENDATION**

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

**Attachments:** [Attachment A - Program Management Major Project Status Report](#)

30. **SUBJECT: CALTRANS UPDATE** [2020-0771](#)

**RECOMMENDATION**

RECEIVE report by the Caltrans District Director on Delivery of Projects on I-5.

- SUBJECT: GENERAL PUBLIC COMMENT** [2020-0750](#)

RECEIVE General Public Comment

Consideration of items not on the posted agenda, including: items to be presented and (if requested) referred to staff; items to be placed on the agenda for action at a future meeting of the Committee or Board; and/or items requiring immediate action because of an emergency situation or where the need to take immediate action came to the attention of the Committee subsequent to the posting of the agenda.

**COMMENTS FROM THE PUBLIC ON ITEMS OF PUBLIC INTEREST WITHIN COMMITTEE'S SUBJECT MATTER JURISDICTION****Adjournment**



## 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:<br>SR 118 to SR 134            |  |  | Segment 1 and 2 are completed.<br>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:<br>Orange County Line to I-605 |  |  | Segments 1, 3, and the Carmenita Interchange are completed.<br>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

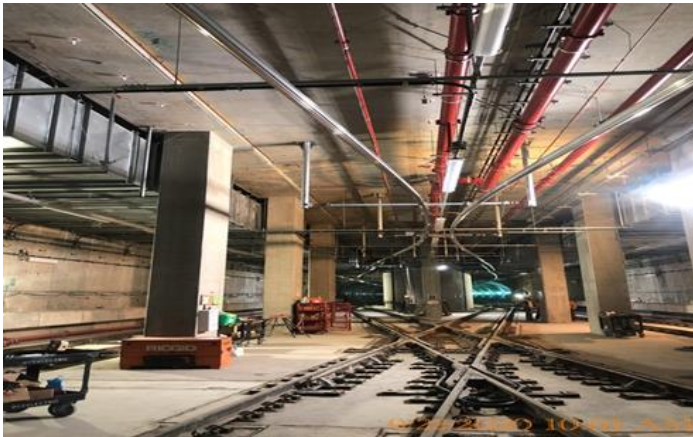
## ◆ BUDGET

|            | <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

Los Angeles County Metropolitan Transportation Authority

# REGIONAL CONNECTOR TRANSIT PROJECT

## BUDGET

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

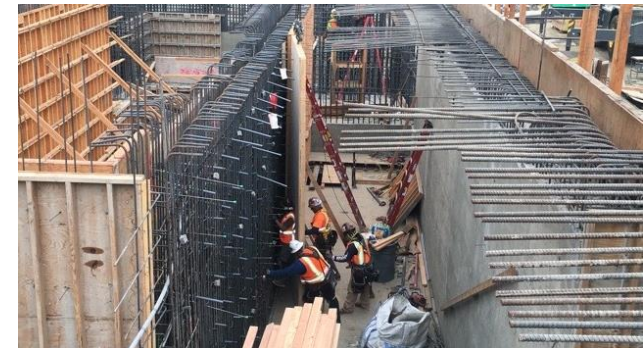
## SCHEDULE

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

Los Angeles County Metropolitan Transportation Authority



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.



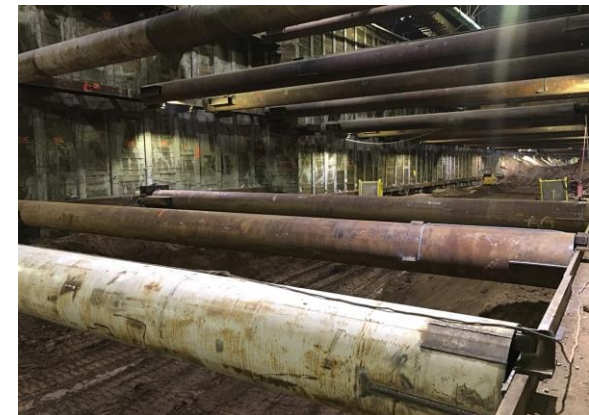
## SCHEDULE

|                   | <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

Construction Committee

Los Angeles County Metropolitan Transportation Authority



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

Construction Committee

Los Angeles County Metropolitan Transportation Authority



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

Construction Committee

Los Angeles County Metropolitan Transportation Authority

# I-210 BARRIER REPLACEMENT PROJECT

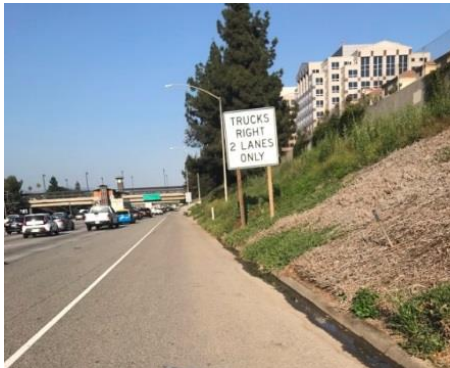
## BUDGET

|            | <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

Construction Committee

Los Angeles County Metropolitan Transportation Authority



# I-5 Construction Projects (By Caltrans)

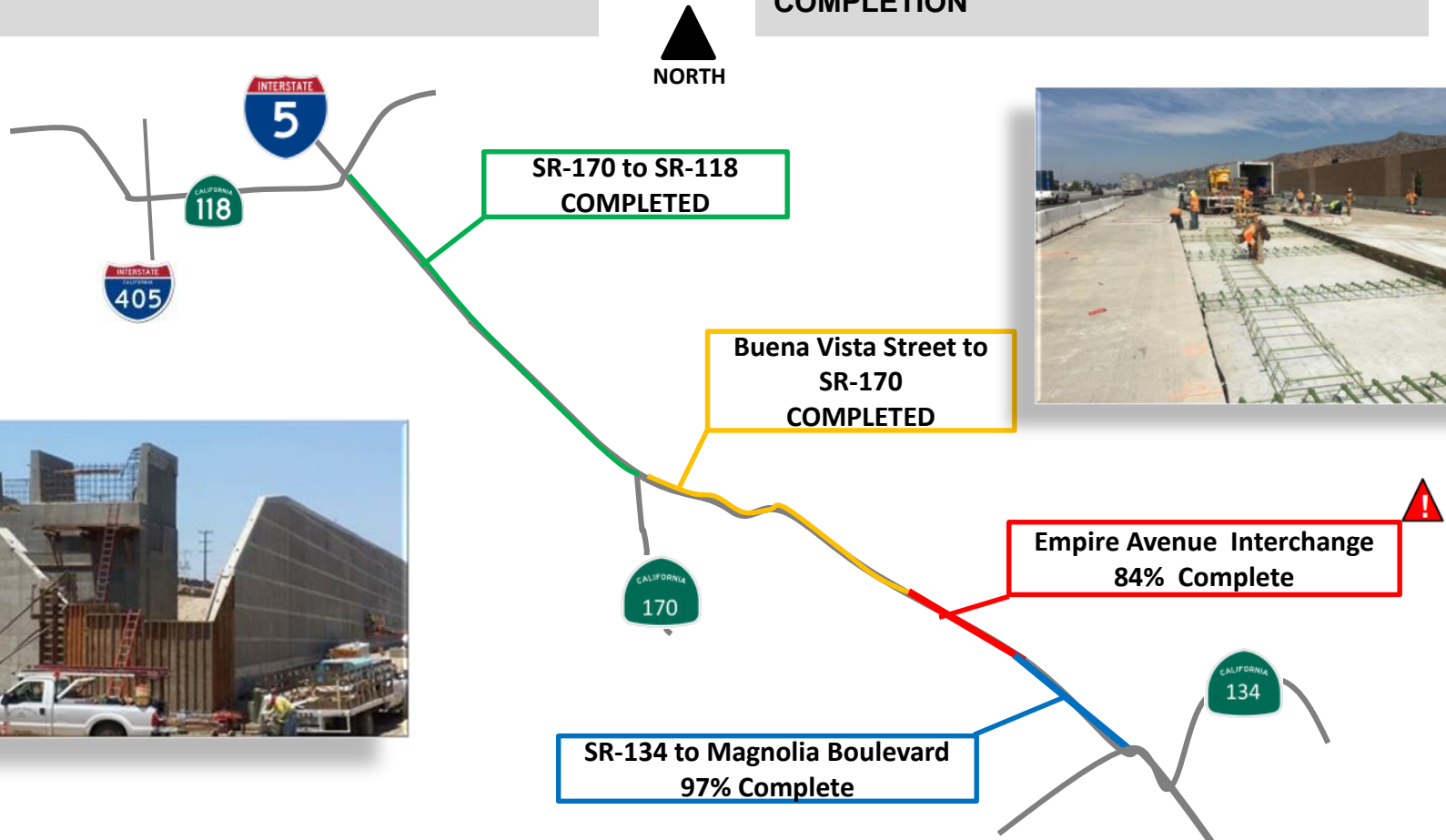


# I-5 NORTH: SR 118 TO SR 134



| ! 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

Construction Committee

Los Angeles County Metropolitan Transportation Authority

\* 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 |

