

#### **Board Report**

Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

File #: 2020-0219, File Type: Oral Report / Presentation Agenda Number:

CONSTRUCTION COMMITTEE APRIL 16, 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 April 2020 by the Chief Program Management Officer.

#### <u>ATTACHMENTS</u>

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

Agenda Number:

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	<b>A</b>	<u> </u>	Project is 95% complete. Contractor needs to recover schedule.
Regional Connector	OK	ОК	Project is 64.5% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 1	$\Diamond$	OK	Project is 58% complete and proceeding on schedule. Differing site conditions and third party requirements are impacting the project budget.
Westside Purple Line Extension-Section 2	OK	ОК	Project is 27% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 3	OK)	OK	Project is 8% complete and proceeding on schedule and within budget. The FTA has awarded the Full Funding Grant Agreement.
Patsaouras Plaza	ОК	OK	Project is 85% complete and proceeding on schedule and within budget.
Willowbrook/Rosa Parks Station	<b>^</b>	<b>\rightarrow</b>	Blue Line Platform and Mezzanine Finishes and Vertical Circulation work ongoing while station is in operation. Customer Center, Mobility Hub + Public Plaza and promenade are substantially complete. Package B 100% bid package has been bid with negotiations ongoing. Real Estate and eminent domain costs are now finalized and along with Package B costs will push the project above the budget.
I-210 Barrier Replacement	OK	OK	Final Project 1 Project Report submitted to Caltrans for approval. We expect Project Report approval by the end of March. We are working toward Project 1 100% Design Package for approval by end of April 2020. Project 2 constructability and impact to Metro, Caltrans and surrounding cities are being investigated by the Design Team.
I-5 North: SR 118 to SR 134	<b>A</b>	<b>^</b>	Segment 1 and 2 are completed. Segment 3 (Empire Ave & Burbank) is 79% complete. Segment 4 (Magnolia to SR-134) is 96% complete.
I-5 South: Orange County Line to I-605	OK	<b>\langle</b>	Segments 1, 3 and the Carmenita Interchange are completed. Segment 2 ( Valley View) is 60% complete. Segment 4 (Imperial) is 97% complete. Segment 5 (Florence) is 86% complete.
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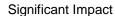
**April 2020** 













# CRENSHAW/LAX TRANSIT PROJECT

**▲** BUDGET

TOTAL COST

**Current** \$2,058M

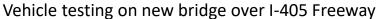
Forecast \$2,148M **▲ SCHEDULE** 

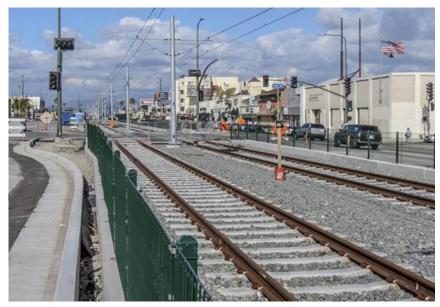
REVENUE OPERATION

Current Summer/Fall 2020 Forecast 2021

- Overall Project Progress is 95% complete; contractor needs to recover schedule.
- Project budget is being impacted by schedule delay.
- Contractor continues remaining facility and systems installation and testing efforts.
- Integrated testing being performed up to Hindry Ave in south section of alignment.







Trackwork and overhead catenary system – Crenshaw & 57th

**April 2020** 





Possible problem





### REGIONAL CONNECTOR TRANSIT PROJECT

**BUDGET** 

TOTAL COST

**Current** \$1,816M

Forecast \$1,816M

- Little Tokyo/Arts District Station, WYE and 1st
   Street: Street Restoration continues at Wye and 1st/Alameda; Structural concrete operations continue at Station.

Overall Project Progress is 64.5% complete.

- Historic Broadway Station: Structural concrete continues within the Station and Crossover Cavern.
- Grand Av Arts/Bunker Hill Station: Structural concrete installation continues throughout the Station; Concrete masonry unit (CMU) walls for systems and electrical equipment continue.
- Flower Street: Installation of exterior and interior walls and roof placements continue.
- Track: Phase 1 of rail welding operations is complete; Phase 2 to begin in Q3 of this year.



REVENUE OPERATION

Current Summer/Fall 2022 Forecast Summer/Fall 2022



Fan Room interior wall construction at future Little Tokyo/Arts District



Conduit installation at CMU walls

April 2020





Possible problem





### WESTSIDE PURPLE LINE EXTENSION – SECTION 1



**TOTAL COST\*** 

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

\* Includes Board approved LOP budget plus finance costs.



REVENUE OPERATIONS

Current Fall 2024 (FFGA) Forecast Fall 2023

- Overall Project Progress is 58% complete.
- Wilshire/Western Retrieval Shaft: Continued support of Reach 1 cross passage construction.
- Wilshire/La Brea Station: Concrete placement for 2<sup>nd</sup> lift exterior wall continues. First roof concrete placement is scheduled for March 14, 2020. Removal of the Center Shaft is scheduled for March 22, 2020.
- Wilshire/Fairfax Station: Excavation and SOE installation at the future station entrance is anticipated to complete in June 2020. Tunnel boring machines TBM arrival is scheduled for April 8, 2020. Work on interior walls will commence after TBMs are launched for Reach 3 tunnel mining.
- Wilshire/La Cienega Station: Station invert concrete placement completed on February 29, 2020. First exterior wall concrete placement is scheduled to start on March 24, 2020.
- Tunneling: Reach 2 Tunneling as of March 11, 2020 Purple TBM (Elsie): 3,464 feet mined (78% complete); Red TBM (Soyeon): 2,277 feet mined (51% complete).
- Cross Passages (CP): Excavation at cross passages #11 and #12 have been completed in this reporting period. Cross passage #13 excavation has commenced.
- Differing site conditions and third party requirements are impacting the project budget.



Work at Cross Passage #12



Wilshire/Fairfax Station Entrance Structure

**April 2020** 





Possible problem





# **WESTSIDE PURPLE LINE EXTENSION – SECTION 2**

**BUDGET** 

**TOTAL COST\*** 

**Current** \$2,530M

**Forecast \$2,530M** 

\* Includes Board approved LOP budget plus finance costs.

**SCHEDULE** 

REVENUE OPERATION

Current
Winter
2026 (FFGA)

Forecast Summer 2025

- Overall Project progress is 27% complete.
- Final design progress is 98% complete.

#### Century City Constellation Station

- Assembly of the tunnel boring machines (TBM's) started on December 26, 2019 and is ongoing.
- Tunnel shaft excavation has reached a depth of 64ft and is on hold pending an investigation into potential differing site conditions. Staff is coordinating additional site investigations and potential surface work on the BHHS campus with BHUSD and CalGEM.
- LADWP cable pulling and splicing was completed on March 5, 2020.

#### Wilshire/Rodeo Station

- Piling for the station box excavation has completed one-hundred and nineteen (119) out of two hundred and ninety (290) piles as of March 16, 2020.
- Piling activities are forecasted to continue through July 2020.



Lowering of TBM Cutterhead at the Launch
Box in Century City



Pile Installation at Wilshire/Rodeo Station

**April 2020** 





Possible problem



Major issue



# **WESTSIDE PURPLE LINE EXTENSION – SECTION 3**

OK E

**BUDGET** 

Current

Forecast

**TOTAL COST\*** 

\$3,611M

\$3,611M

\* Includes Board approved LOP budget plus finance costs.

SCHEDULE

REVENUE OPERATION

<u>Current</u> 2028 (FFGA) Forecast 2027

- The Full Funding Grant Agreement has been awarded.
- Overall Project progress is 8% complete
- Final design progress is 47% complete

#### C1151 Tunnel Contract

- Utility work for TBM power continues.
- Preparation of the Tail Track Exit Shaft (TTES) site for construction continues on the VA Campus.

#### C1152 Stations, Trackwork and Systems Contract

- Final Design is ongoing.
- Utility potholing investigation has begun.
- Pre-construction surveys of adjacent properties ongoing.
- Contractor completed geotechnical investigation work.

#### Other Third Party Utility Relocation Work

- Joint trench activities for combining Verizon and Frontier telecommunications are ongoing. Cable pulling/splicing ongoing.
- Southern California Gas relocations are ongoing. Final "hot tapping" pending crew availability.
- LADWP(Power): Cable pulling/splicing/cutover completed.



First 100 ft. of TTES Guide Wall Placement at Western VA Staging Area



**Excavation of TTES Guide Wall Trench** 

**April 2020** 





Possible problem





### PATSAOURAS BUS PLAZA STATION

**BUDGET** 

**TOTAL COST** 

<u>Current</u> \$50.9M Forecast \$50.9M

OK

**SCHEDULE** 

SUBSTANTIAL COMPLETION

Current Spring 2020 Forecast Spring 2020

- Overall project progress at approximately 85% complete.
- Drainage system tie in on-hold to revise Area of Potential Effect with Consulting Parties.
- Elevator enclosure glass completed.
- Pedestrian walkway interior stainless steel panels initiated.
- Austin Vault completed.



**Austin Vault completed** 



Interior panels initiated



Elevator glass enclosure completed

April 2020





Possible problem





# WILLOWBROOK/ROSA PARKS STATION

**A** BUDGET

**TOTAL COST** 

<u>Current</u> \$109.3M Forecast \$128.4M



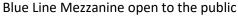
**SCHEDULE** 

SUBSTANTIAL COMPLETION

Current Summer 2020 Forecast Summer 2020

- Package A: Customer Center, Mobility Hub and Public Plaza are substantially complete. Promenade remains at 95% completion due to delay in materials. Punch walks completed. Eminent domain acquisition costs are now finalized and will push the total cost of the project above the current budget. Southern pedestrian crossing being coordinated with Union Pacific Rail Road and may cause delay in planned July 2020 opening.
- Package C: Finishes, Systems (Variable Message Sign, TAP) and Vertical Circulation work ongoing while Station is in Operations. North end of mezzanine and stair to C Line platform construction near completion.
- Package B: Contractor has submitted pricing, total costs much higher than expected. Early work scheduled to commence end of March 2020, budget issue to be considered at this meeting.







**Mobility Hub Interior** 







 $\Diamond$ 

Possible problem



Significant Impact



HUB

April 2020

# **I-210 BARRIER REPLACEMENT PROJECT**



TOTAL COST

<u>Current</u> \$22.54M

Design

\$22.54M Design

**Forecast** 



#### **SCHEDULE**

Current
Complete Design (Proj 1) Apr 2020
Complete Design (Proj 2) Apr 2021

Forecast Spring 2020 Spring 2021

- Project 1: Segment from Michillinda to Iconic Bridge Final PSR-PR submitted to Caltrans for approval. Approval is expected by end of March. After that is completed, the 100% Design Package will be submitted for approval in April.
- Project 2: Segment from west end of the project to Michillinda Investigation of the barrier alternatives feasible for Project 2 has been completed by the Design Team.
- Projects 1 & 2: Design Team investigating the constructability and operational impact while single tracking occurs during construction on Gold Line. Additional track infrastructure (like cross-overs) is being investigated to see if they minimize the impact during construction.



Newly Installed Caltrans Freeway Sign



Incident in 2014



Newly Installed Speed Limit Sign





Possible problem



Significant Impact



**April 2020** 

# **I-5 Construction Projects (By Caltrans)**





**April 2020** 

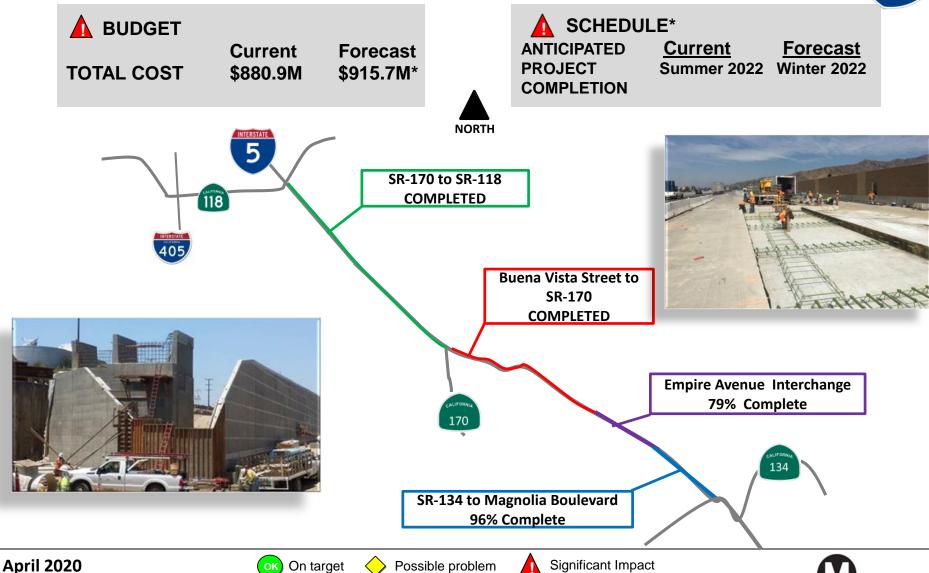
**Construction Committee** 

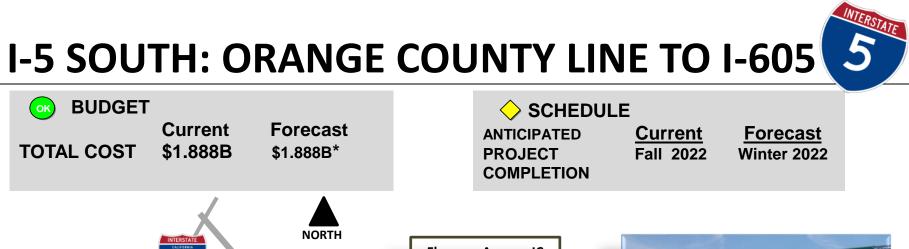
Los Angeles County Metropolitan Transportation Authority

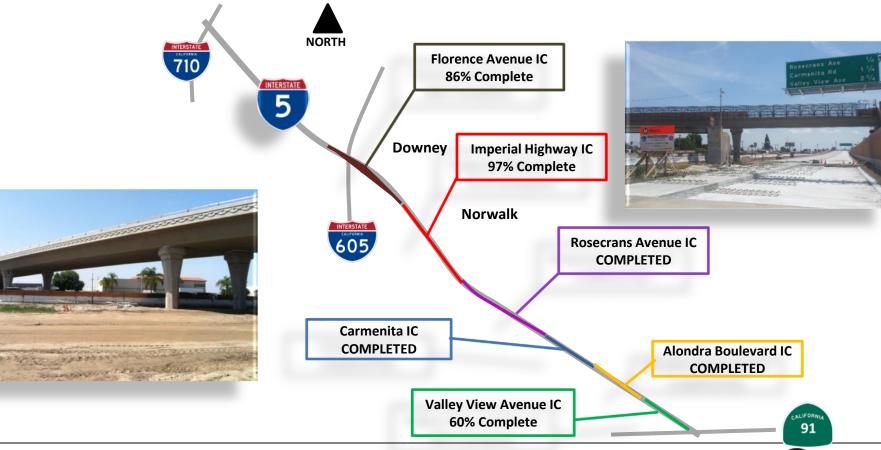
Metro 1

## I-5 NORTH: SR 118 TO SR 134









**April 2020** 

**Construction Committee** 



Possible problem



