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

Metro

Board Report

File #: 2020-0830, **File Type:** Oral Report / Presentation **Agenda Number:** 31.

CONSTRUCTION COMMITTEE
JANUARY 21, 2021

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 January 2021 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, Mgr, Project Control, (213) 418-3031

Phillip A. Washington
Chief Executive Officer

Program Management
Major Project Status Report

Presented By

Richard Clarke

Chief Program Management Officer

January 2021

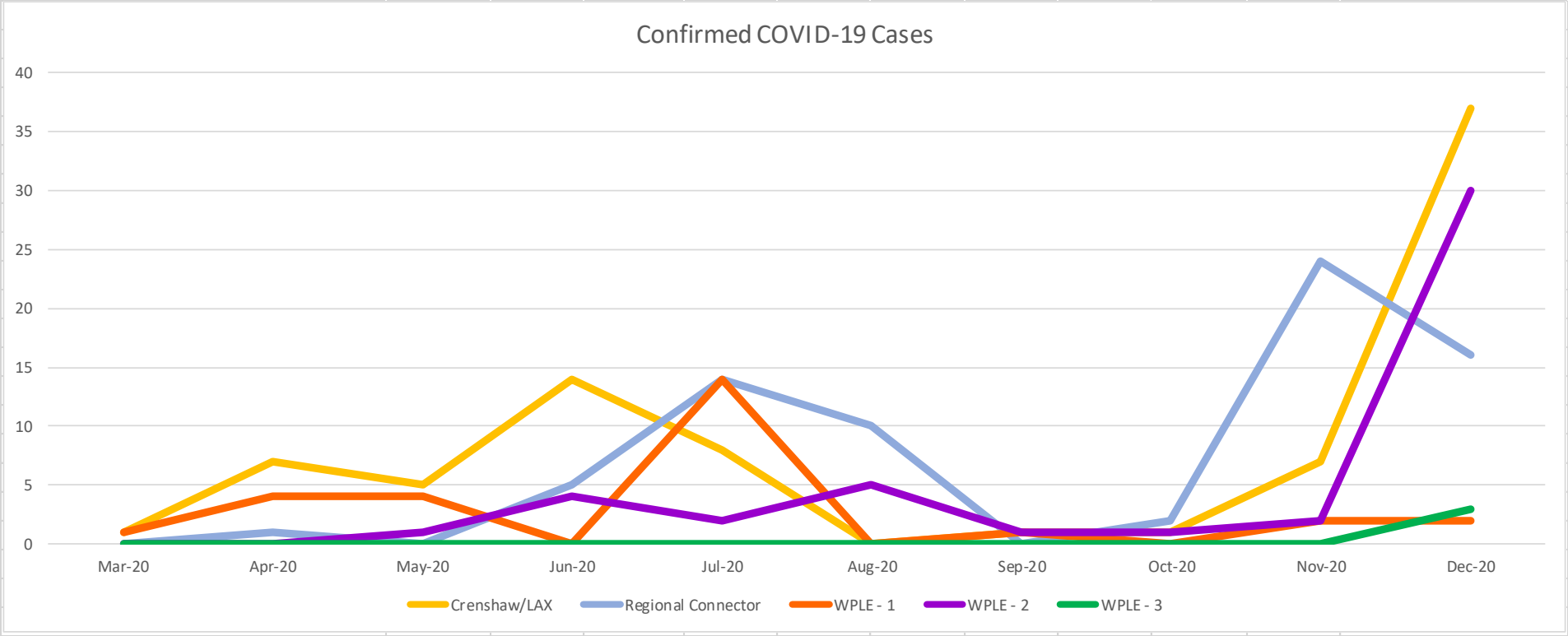
Construction Committee

Los Angeles County Metropolitan Transportation Authority

Metro

Impact of COVID-19 Cases on Construction Projects

Metro Projects COVID-19 Confirmed Cases											
Project	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**Total Cases to Date**
Crenshaw/LAX	1	7	5	14	8	0	1	1	7	37	**81**
Regional Connector	0	1	0	5	14	10	0	2	24	16	**72**
WPLE - 1	1	4	4	0	14	0	1	0	2	2	**28**
WPLE - 2	0	0	1	4	2	5	1	1	2	30	**46**
WPLE - 3	0	0	0	0	0	0	0	0	0	3	**3**



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	OK	OK	Project is 72.5% complete. Schedule is being challenged by overbuild requirements at Historic Broadway Station; mitigation plans are being pursued. Largely dependent on schedule, budget options are under review to maximize returns to ensure certainty to post construction rail activation and start-up objectives.
Westside Purple Line Extension-Section 1	OK	!	Project is 66% complete. Reviewing any impacts differing site conditions and third-party requirements may have on the project schedule. The Reach 3 anomaly is impacting critical path tunnel mining activities.
Westside Purple Line Extension-Section 2	OK	OK	Project is 39% complete and proceeding on schedule and within budget.
Westside Purple Line Extension-Section 3	OK	OK	Project is 16% complete and proceeding on schedule and within budget.
Willowbrook/Rosa Parks Station	OK	OK	Project is 80% complete. The Customer Center, Mobility Hub + Public Plaza and promenade are complete and turned over to Metro in October. Package B grading and underground utility work ongoing. Elevator and stair work at the C Line West entrance is ongoing and expected to open in December.
I-210 Barrier Replacement	OK	OK	Caltrans (CT) Design has approved the Project 1 PS&E package. All CT design comments have been addressed and accepted. However, the encroachment permit for Project 1 can't be granted until the ADL testing has been completed and submitted to Caltrans. Funding source for ADL testing still to be determined. Project 2 Barrier analysis is expected to begin in mid December 2020.
1-5 North County Enhancements	OK	OK	Project is in bidding phase and is expected to begin construction in Spring 2021.
I-5 North: SR 118 to SR 134	!	!	Segment 1 and 2 are completed. Segment 3 (Empire Ave & Burbank) is 86% 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	OK	◆	Segments 1, 3, and the Carmenita Interchange are completed. Segment 2 (Valley View) is 72% complete. Segment 4 (Imperial) is 97% complete and began the plant establishment phase on Jan 31, 2020. Segment 5 (Florence) is 92% complete.

OK On target ◆ Possible problem ! Significant Impact

CRENSHAW/LAX TRANSIT PROJECT

BUDGET	Current	Forecast
TOTAL COST	$2,148M	$2,148M

SCHEDULE	Current	Forecast
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 & communications.

P3010 LRT Vehicle testing on Crenshaw Blvd. and 54th Street.

Leimert Park Station – contractor working on communication rack in train control and communication room.

REGIONAL CONNECTOR TRANSIT PROJECT

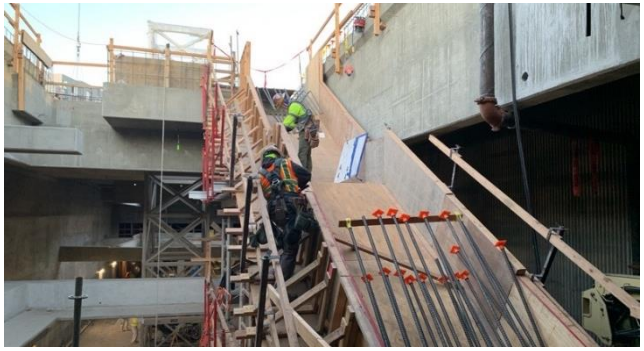
BUDGET

	Current	Forecast
TOTAL COST	$1,816M	$1,816M

SCHEDULE

	Current	Forecast
REVENUE OPERATION	Summer/Fall 2022	Summer/Fall 2022

- Overall Project Progress is 72.5% complete.
- **Little Tokyo/Arts District Station & Surrounding Area**: Gold Line Little Tokyo/Arts District Station closed, Central St restoration complete, bus bridge ongoing.
- **Historic Broadway and Grand Av Arts/Bunker Hill Station:** Structural concrete, MEP and systems installation continues throughout the Station.
- **Flower Street:** Installation of walls, roof and MEP near completion for tie-in to 7th/Metro Station.
- **Trackwork:** Installation efforts underway in all reaches; special trackwork procurements experiencing fabrication delays.



Forming for stairs in future Little Tokyo /Arts District Station

Backfill operations over station box at Historic Broadway Station

WESTSIDE PURPLE LINE EXTENSION – SECTION 1

BUDGET

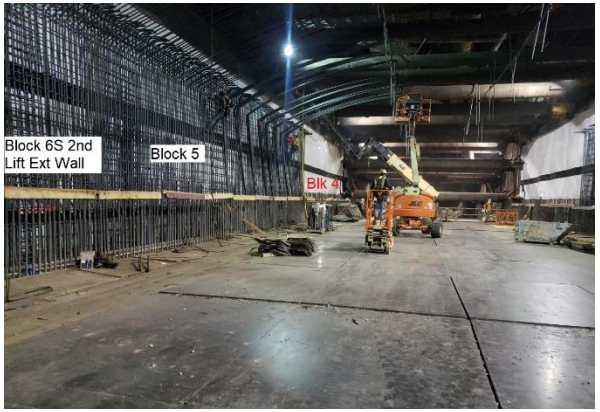
	Current	Forecast
TOTAL COST*	$3,354M	$3,354M

* Includes Board approved LOP budget plus finance costs.

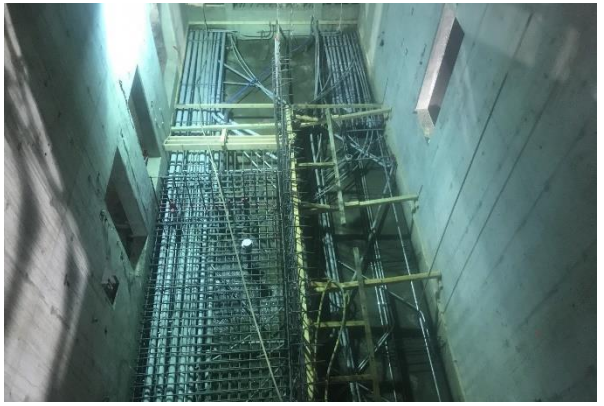
SCHEDULE

	Current	Forecast
REVENUE OPERATIONS	Fall 2024 (FFGA)	Fall 2023

- Overall Project Progress is 66% complete.
- **Wilshire/Western Retrieval Shaft:** Continued support of Reach 1 cross passage work. Minor work on break through into Wilshire/Western Station continues on weekends.
- **Wilshire/La Brea Station:** With the exception of the West Hammerhead, all roof concrete placements (Blocks 1-13) have been completed. Backfill (above the roof) activities, plenum work and appendage construction continue.
- **Wilshire/Fairfax Station:** Concourse and 2nd lift wall concrete activities are scheduled for December 2020 and January 2021. Entrance plaza and appendage work continue.
- **Wilshire/La Cienega Station:** Roof concrete placements continue through the month of December 2020. Concrete placement of the protection slab at the entrance structure is also scheduled in the month of December 2020.
- **Tunneling**: The Purple TBM (Elsie) has mined 2,828 feet (86% complete) and is parked 75' from the anomaly site. The Red TBM (Soyeon) has mined 2,734 feet (83% complete) and is parked 190' from the anomaly site. Mining will continue once the Wilshire/San Vicente grout block installation is completed.
- **Reach 1 Tunnel Cross Passages (CP):** 9 out of 12 cross passages have been excavated. Concrete placement for 4 cross passages have been completed (#10, #11, #13, #15). Work continues at all other cross passages. Completion is planned for February 2021.
- **Schedule:** The Reach 3 anomaly is significantly impacting critical path tunnel mining activities. The project is attempting to mitigate the delay. The forecast completion is currently the second half of 2024. Metro and the FTA will have a formal risk assessment after mining through the anomaly is completed in April 2021. The Board will be briefed on the results of the risk assessment.



Wilshire/Fairfax Station 2nd Lift Wall Rebar installation



Track Level Conduit Installation at Wilshire/La Brea

WESTSIDE PURPLE LINE EXTENSION – SECTION 2

BUDGET (OK)

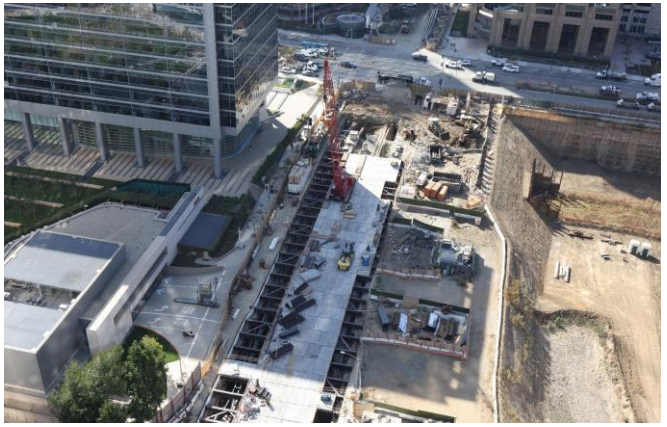
	Current	Forecast
TOTAL COST*	$2,530M	$2,530M

* Includes Board approved LOP budget plus finance costs.

SCHEDULE (OK)

	Current	Forecast
REVENUE OPERATION	Winter 2026 (FFGA)	Summer 2025

- Overall Project progress is 39% complete.
  - **Century City Constellation Station**
    - Pile installation on Constellation Boulevard west of the TBM launch box is anticipated to be completed in January 2021 and the decking operations are anticipated to be completed in April 2021.
  - **Wilshire/Rodeo Station**
    - Excavation of the station box and entrance is continuing with an anticipated completion in February 2021.
    - On November 10, 2020, the Beverly Hills City Council approved the settlement agreement to end the city's lawsuit against the FTA and Metro.
  - **Tunneling**
    - The abandonment of both oil wells on the Beverly Hills High School campus is complete.
    - BL TBM "Ruth" was re-launched on November 23, 2020 after successful completion of the remaining oil well abandonment work. BR activity will resume once BL TBM breaks out of tunnel access shaft east wall.
    - Once both TBMs pass through the tunnel access shaft, tunneling operations will be transitioned to the access shaft from the existing TBM launch box area.



Piling and Decking Installation West of the TBM Launch Box

Excavation of the Wilshire/Rodeo Station

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

BUDGET (OK)

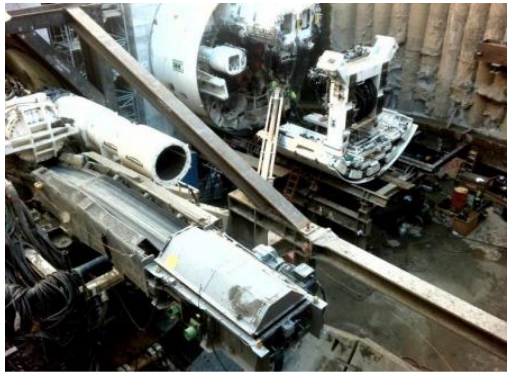
	Current	Forecast
TOTAL COST*	$3,611M	$3,611M

* Includes Board approved LOP budget plus finance costs.

SCHEDULE (OK)

	Current	Forecast
REVENUE OERATION	Winter 2028 (FFGA)	Spring 2027

- Overall Project progress is 16% complete
- Final design progress is 73% complete
- **C1151 Tunnel Contract**
  - TBM #1 continues mining the BR tunnel.
  - TBM #2 assembly continues at the BL headwall.
  - 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.
  - Westwood/VA Station SCE power conduit installation along Wilshire Boulevard is on-going; completion expected in December 2020.
  - Site clearing in VA Parking Lot 42 commenced November 2020.
- **Other Work**
  - Cable pulling/splicing in the joint trench (Verizon and Frontier) at the Westwood/UCLA Station expected in December 2020. LADWP power cutover to the 10921 Wilshire Boulevard building is scheduled by spring of 2021.
  - VA shuttle and valet service started in November 2020.



TBM Assembly at Tail Track Exit Shaft

Installation of SCE Ductbank & Substructure at Bonsall Entrance Ramp

WILLOWBROOK/ROSA PARKS STATION

OK BUDGET	Current	Forecast
TOTAL COST	$128.4M	$128.4M

OK SCHEDULE	Current	Forecast
SUBSTANTIAL COMPLETION	March 2021	March 2021

- Package A: Customer Center, Mobility Hub and Public Plaza substantially complete and turned over to Metro for Soft Public Opening in October. Final repairs to the Landscaping within the Public Plaza are ongoing with completion expected by the end of December.
- Package C: Remaining punch list and finish work ongoing throughout the platform.
- Package B: Package B underground utility work ongoing with hardscape work proceeding at the central plaza. Trench work and soil removal in progress for new Gross Solid Removal Device (GSRD). Work at elevator 4 at the C Line West Entrance is ongoing with temporary sidewalk and state inspection approval expected by end of December.

Mobility Hub, Customer Service Building and Public Plaza complete for soft opening

Utility Work @ Package B

Hardscape Work @ Central Plaza

I-210 BARRIER REPLACEMENT PROJECT

BUDGET

	Current	Forecast
TOTAL COST	$22.54M	$22.54M
	Design	Design

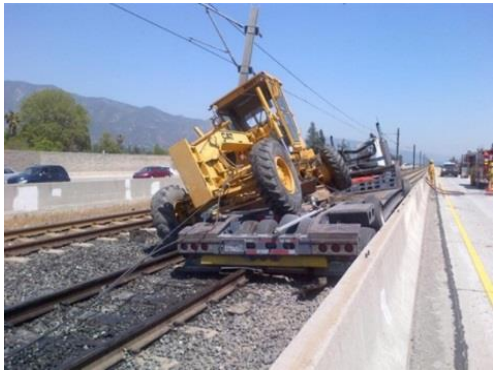
SCHEDULE

	Current	Forecast
Complete Design (Proj 1)	Dec 2020	Fall 2020
Complete Design (Proj 2)	Aug 2022	Summer 2022

- Project 1: Segment from Michillinda to Iconic Bridge – Caltrans (CT) Design has approved the Project 1 PS&E package. All CT Design comments have been addressed and accepted. However, the encroachment permit for Project 1 can't be granted until the ADL testing has been completed. Funding source for ADL testing still to be determined.

- Project 2: Segment from west end of the project to Michillinda – Barrier analysis is expected to begin in mid-December 2020.

Newly Installed Caltrans Freeway Sign


Incident in 2014

Newly Installed Speed Limit Sign

I-5 Construction Projects (Administered by Metro)

January 2021

Construction Committee

Los Angeles County Metropolitan Transportation Authority

I-5 NORTH COUNTY ENHANCEMENTS

OK BUDGET	Current	Forecast
TOTAL COST	$679.3M	$679.3M

OK SCHEDULE	Current	Forecast
SUBSTANTIAL COMPLETION	March 2026	March 2026

- Project is in procurement phase and is expected to begin construction in Spring 2021.

Old Road-SCE Power & AT&T Relocation

Gavin Canyon Over-crossing-SCE Power & AT&T Relocation

Biscailuz Over-crossing AT&T Horizontal Directional Drill under I-5

I-5 Construction Projects (By Caltrans)

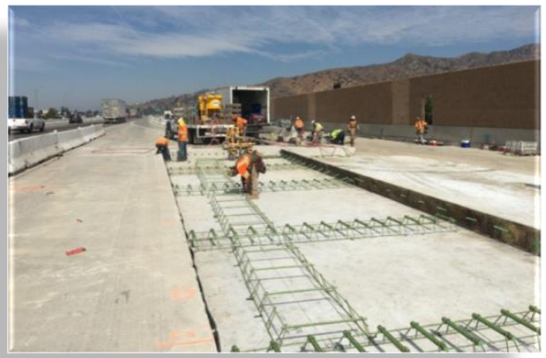
I-5 NORTH: SR 118 TO SR 134

BUDGET	Current	Forecast
TOTAL COST	$880.9M	$954.1M*

SCHEDULE	Current	Forecast*
ANTICIPATED PROJECT COMPLETION	Summer 2022	Winter 2022

NORTH

SR-170 to SR-118
COMPLETED



Buena Vista Street to
SR-170
COMPLETED

Empire Avenue Interchange
86% Complete

SR-134 to Magnolia Boulevard
97% Complete

* Risk Analysis, Nov 2020 and Caltrans' request

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

OK BUDGET	Current	Forecast
TOTAL COST	$1.888B	$1.888B*

SCHEDULE	Current	Forecast*
ANTICIPATED PROJECT COMPLETION	Fall 2022	Winter 2022

NORTH

Florence Avenue IC
92% Complete

Downey

Imperial Highway IC
97% Complete

Norwalk

Rosecrans Avenue IC
COMPLETED

Carmenita IC
COMPLETED

Alondra Boulevard IC
COMPLETED

Valley View Avenue IC
72% Complete