

Redondo/Torrance

CRENSHAW/LAX LINE OPERATING PLAN UPDATE

Go Metro

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Metro Operations, Safety, and Customer Experience Committee April 21, 2022

Crenshaw/LAX Scenarios (2018)

Alt C-1: Crenshaw/Norwalk Interline Alt C-2: Crenshaw/Redondo Alt C-3: Green Line shortline, with Redondo Shuttle Interline, Norwalk Shortline Crenshaw to Norwalk Crenshaw-Crenshaw-Crenshaw-Expo Expo Ехро 6" LAX LAX LAX 6" 6" Norwalk 6" 6″ 6″ 6" 6" ^{6"}Willowbrook/ Norwalk Norwalk 6" 6" Rosa Parks 6" Redondo Redondo Redondo Beach Beach Beach **Board Adopted**

1 Year Pilot

Operating Plan Update Considerations

Project	Operational
Sequencing	Impacts
Regional Travel & NextGen Bus Plan	Future Rail Plans



Project Sequencing

- Motion 2018-0730 intended to have C Line (Green) continue to operate the current routing for a 1 year pilot, well in advance of Airport Metro Connector Station (AMC) opening.
- Board motion directs staff to revisit the Operations Plan in anticipation of AMC. This review addresses that directive.
- Due to delays in the Crenshaw/LAX project, minimal 14-month gap now between Crenshaw and AMC openings.
 - 1. Westchester/Veterans to Expo/Crenshaw (Summer 2022)
 - Aviation/LAX to Expo/Crenshaw, integrated with the C Line (Green) (Fall 2023)
 - 3. AMC opens (Late 2024)
- Due to only a 14-month gap now between phases 2 and 3 above, there is insufficient time to run a 12-month pilot, evaluate, and revisit the Operations Plan prior to AMC opening.



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Operational Impacts

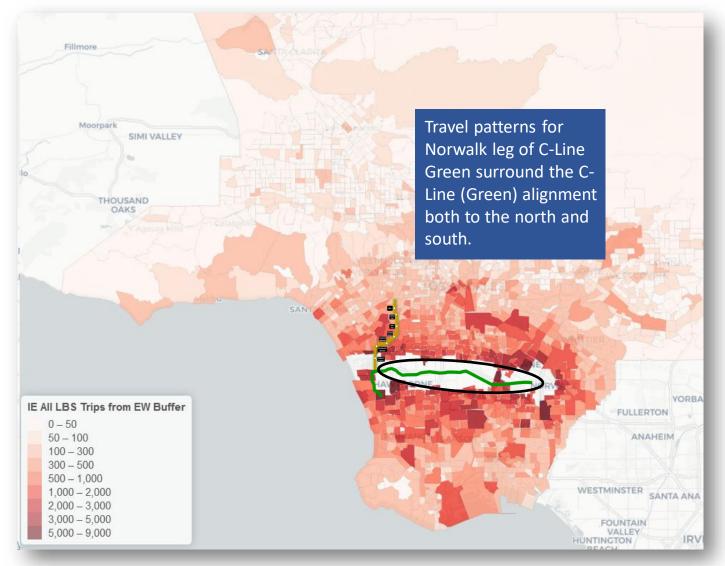
Option	Railcar Fleet Need	Reduced Operators Vs C-3
C-1	53	90
C-2	51	93
C-3	60	105

- COVID has negatively impacted operator availability and this condition may be a challenge.
- Rail operator requirements are filled from the bus operator ranks.

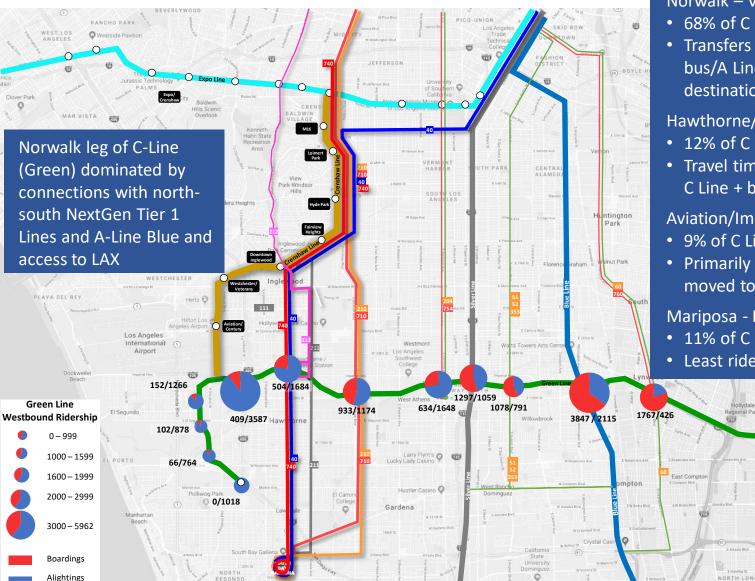


All Travel (cell phone data) Norwalk-Aviation Green Line Destinations

All Destinations from Norwalk Segment



CLINE (GREEN) Transit Ridership



Norwalk – Vermont

- 68% of C Line ridership
- Transfers between C Line and bus/A Line faster to key destinations (DTLA, Mid City)

Hawthorne/Lennox-Crenshaw

- 12% of C Line ridership
- Travel time competitive between C Line + bus and C Line + Crenshaw

Aviation/Imperial

- 9% of C Line ridership
- Primarily transfers, which will be moved to AMC

1825/155

Mayfair Par

3915/0

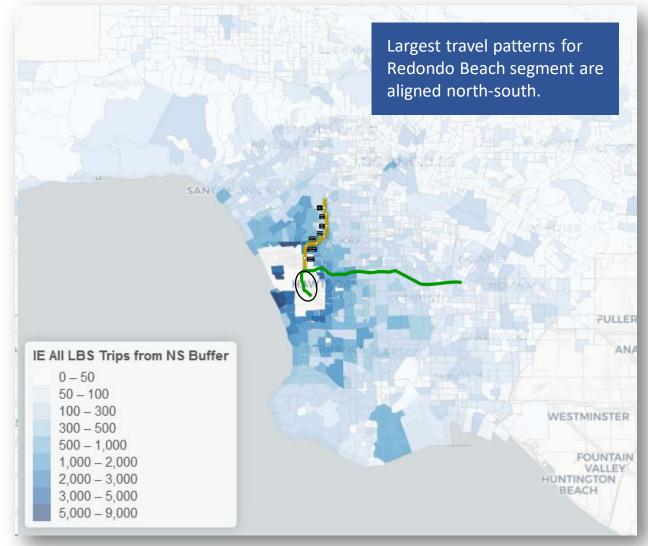
Bellflower

Mariposa - RB

- 11% of C Line ridership
- Least ridership currently

All Travel (cell phone data) Mariposa-RB C Line Destinations





Future Torrance Extension

Peak Hour Ridership 2042	
Norwalk to AMC	4,980
Crenshaw/Expo to Torrance	6,320
Airport People Mover	920
Total Peak Hour	12,220

Can accommodate peak hour ridership for both lines with 2-car trains

AN FERNANDO VALLEY Memorial Park Reads Barro Hooles services in Bur Hooles , Jare Caller ORANGE LINE BRT CONNECTOR TO GOLD LINE RAIL Del Mar Fillmore South Pasadena CRENSHAW LINE NORTHERN EXTENSI **Highland Park** SEPULVEDA PAS Southwest Museum RANST CENTRAL LA Heritage Sq Lincoln/Cypress Chinatown Union Station **** Amtrak & Hetro PURPLE LINE EXTENSION TRANSIT PROJECT SECTION 3 Little Tokyo/Arts Dist 7th St/Metro Ctr Pice Pershing Square LATTC/Ortho ALACIN tpolla Brea Institute Expoartiuse Grand/LATTC 37th St/ USC San Pedro St TRANSIT EXTENSI FROM WESTWOOD TO LAX METRO CONNECTOR Martin Luther King Washington VERMONT BRT Leimert Parl Slauson Vernon BRT NECTOR Hyde Parl Slauson Fairview Heigh Manchester Florence Downtown Inglew Firestone Westchester/Veter -LAX 103rd St/ Watts Towers AIRPORT METRO CONNEC Willowbrook/ Aviation/Cent Rosa Parks Rosecrans Compton METROLINK STATION Marip WEST SANTA ANA TRANSP Harbor Gateway Transit Ctr Artesia JOHT RAIL CORRIDOR El Segundo Del Amo Douglas Carson Wardlow Redondo Beach Willow St GREEN LINE EXTENSION Pacific Coast Hwy Pacific Coast Hwy TO TORRANCE RANSIT CENTER Anaheim St 5th St Pacific Downtown 1st St Long Beach 9

~1,400 Riders on Torrance Ext (2 new stations)

Future Crenshaw Northern Extension

- Strong community support for north/south line and one-seat ride from Hollywood to Torrance
- Opening Year 2047 (Measure M) with local efforts underway to identify early delivery strategy
- Metro initiated environmental study to make project "shovel-ready"
- Ridership estimation (yet to occur) will determine need for 3-car trains and additional infrastructure (platform expansions and power substations)



Recommendation

- The change of circumstances since the Metro Board adopted Motion 2017-0730 in November 2018 for a one-year pilot of the C-3 operating plan supports the need to conduct relevant public outreach to develop an updated Crenshaw/LAX line operating plan recommendation.
- This outreach would be completed in time for Board consideration in advance of implementation in late 2023 when operation of the Crenshaw/LAX line through the AMC site becomes possible.
- This would not impede the opening of the initial operating segment for Crenshaw/LAX in 2022.

