

Next stop: more rail.

CRENSHAW/LAX TRANSIT PROJECT



Virtual Construction Update Meeting

September 30, 2021 | 6 PM



Using Zoom & Submitting Questions



This meeting is being recorded. Video file will be posted on our web site at metro.net/crenshaw



Public video and mics are disabled. We cannot hear you or see you.



Please ask questions and submit comments via the Q&A feature or text us.



Q&A



Raise Hand



Chat

Tell us about you!

Using the chat feature, and if you feel comfortable – tell us about you!

- Your name
- Organization or Neighborhood
- What's your nearest station?

Welcome, thank you for joining us!

Project Overview

Annette Cortez, Community Relations Manager

Construction and Train
Testing Update

Stephanie Leslie, Deputy Executive Officer

Metro Photo Enforcement Program

Abdul Zohbi, Systems Safety Manager

Airport Metro Connector

Brett Roberts, Community Relations Manager

Business Support Programs

Jessica Spearman, Principal Transportation Planner
Sidney Urmancheev, Transportation Associate

Eat Shop Play Program

Jesus Galeno, Transportation Associate

Moderation / Q&A

Ginny Brideau, Community Relations Manager

Project Overview

Walsh Shea Corridor Constructors (WSCC)

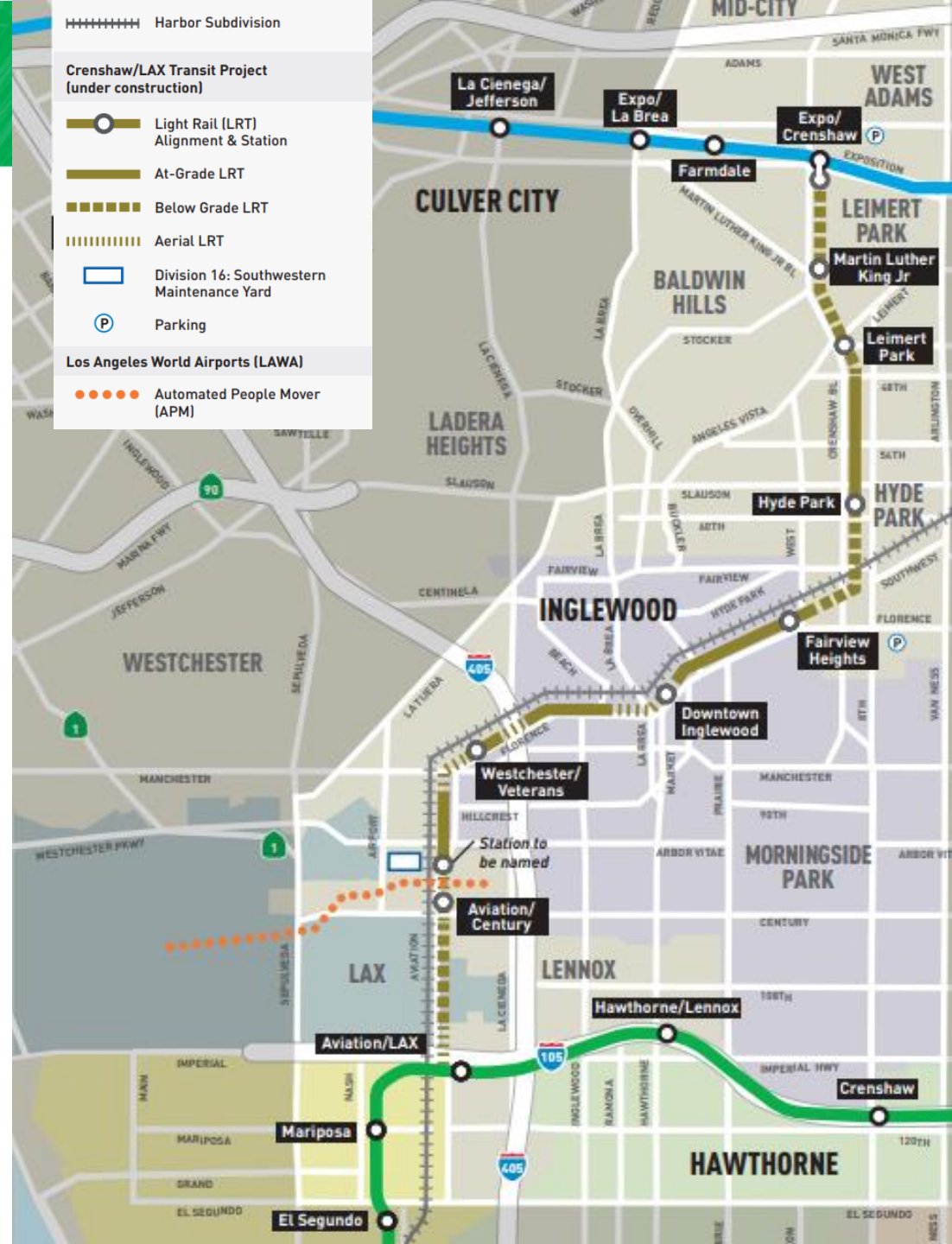
Main Line & Stations Contractor

- 8.5-mile light-rail servicing the Cities of Los Angeles, Inglewood and El Segundo
- 8 new stations:
 - 1 aerial
 - 4 at-grade
 - 3 underground
- Life of Project Budget: \$2.148 Billion



Project Overview

- Project has reached 99% completion
- All civil elements of construction completed including
 - Bridges
 - Retaining walls
 - Tunnels
 - Trackwork
 - Structural elements of all 8 stations
 - All traction power substations providing power to the light-rail vehicles have been powered up
- Remaining construction work includes
 - Systems work
 - Minor station work



Underground Station Construction

Underground Station Construction

- Expo/Crenshaw Station
- Martin Luther King Jr. Station
- Leimert Park Station

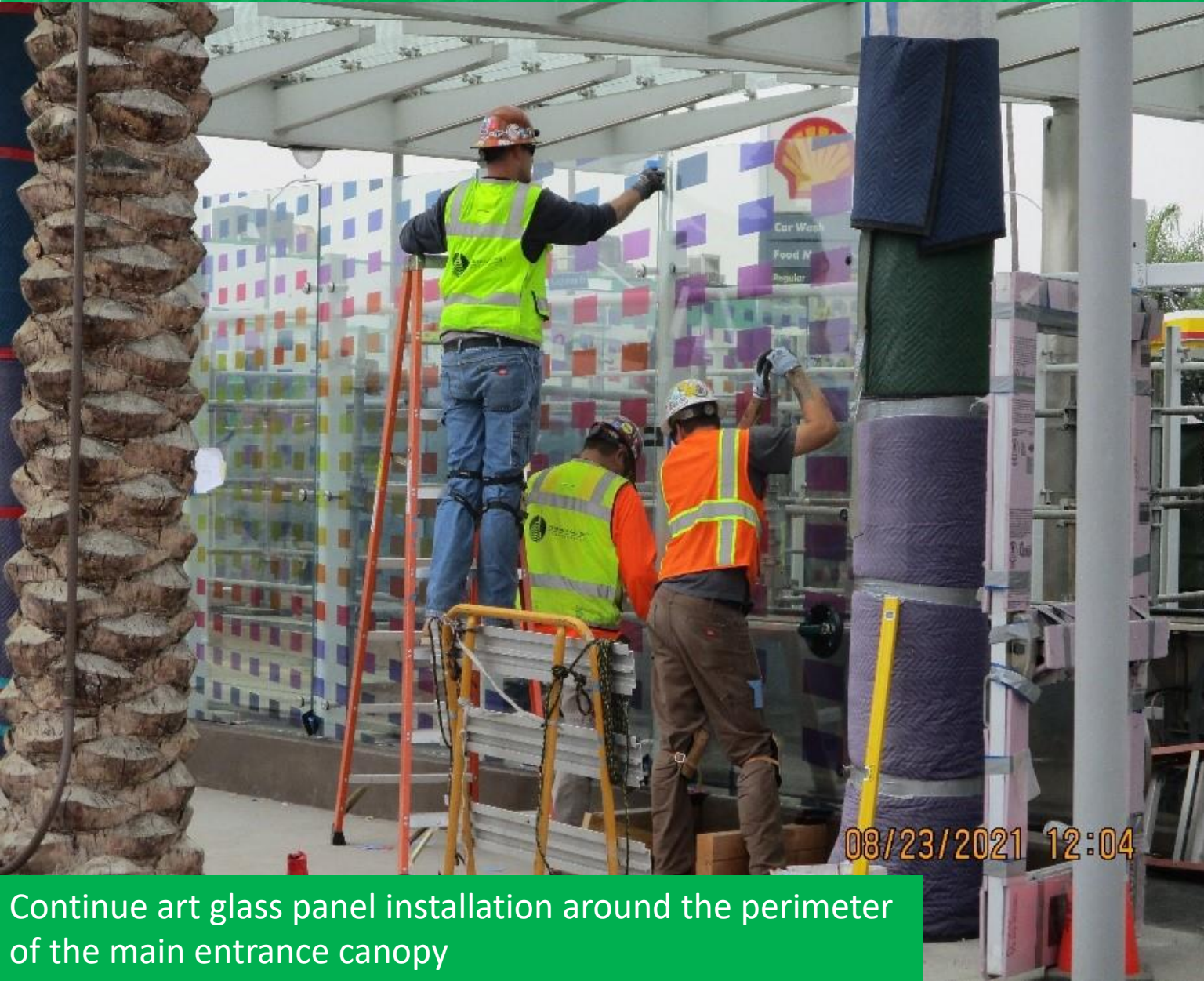
Ongoing Construction Activities

- Electrical and communications systems work
- Station plaza features installation



MLK Station plaza entrance, stairway, and landscaping

Expo/Crenshaw Station



Continue art glass panel installation around the perimeter of the main entrance canopy



Installing directional tactile pavers throughout the platform



Stainless steel cladding installation for main entrance roll-up door

Martin Luther King Jr Station



Only Light, Only Love by Shinique Smith



Installed and grounded the bike storage lockers at the plaza



Performing function test on escalators between concourse and platform levels

Leimert Park Station



Artwork by Mickalene Thomas



Continue resurfacing frame finish of all 4 elevators at the Paid & Free Area



Stainless steel cladding panel installation at the main entrance plaza roll-up door

Park Mesa Heights At-Grade Segment

Crenshaw Bl between 48th St and 59th St

Street Restoration Work being performed by the City of Los Angeles

- Roadway resurfacing of mid-block areas
- Full depth roadway construction
- On-street public parking impacts
- Ongoing lane closures
- Pedestrian access occasionally restricted and rerouted
- Temporary bus stop and route relocations



09/15/2021 09:48



Continue road restoration along the northbound lane of Crenshaw Blvd between 52nd St and 50th St

Hyde Park Station

Porcelain enamel steel art panel being prepared for installation



Installed porcelain enamel steel art panels



Hyde Park Segment Tunnel / Cut and Cover

Crenshaw BI between 59th St to 67th St

Construction Status

- Final street restoration was completed
- Outstanding work:
 - Additional minor utility work
 - Tree Planting



Landscaping at train portal near Crenshaw BI and 67th St



Off-Crenshaw BI Tree Planting



Tree planting along Slauson Av



Tree planting in surrounding neighborhoods

Fairview Heights Station

Installed porcelain enamel steel art panels



Pedestrian crosswalk, steel bollards, Ticket Vending Machine canopy structure

Downtown Inglewood Station

Installed art on service building and station platform



Applying the anti-graffiti coating to the edges of the map cases at the La Brea Station



Westchester/Veterans Station

Installed porcelain enamel artwork



Westchester/Veterans Station wind screen frame mounting



Aviation/Century Station



Work crews applying anti-graffiti coating to the Century Bridge



Looking easterly at station plaza and entrance at Aviation Bl/Century Bl



CLAX – TESTING PROGRESS

LFAT Testing

As of September 24th, 2021, LFAT Completion: 56%

SIT Testing

As of September 24th, 2021, SIT Completion: 53%



TPSS 2 SCADA Testing



Hindry Station – Live Wire SIT



TC&C 3 SCADA Testing



EXPO Station Fire Alarm LFAT

CLAX – TESTING PROGRESS

LFAT Results – April 30th, 2021 vs September 24th, 2021

LFAT Totals	Prior	Current	Total Δ
	April 30, 2021	September 24, 2021	
Total Number of LFATS	382	382	0
Total Number Completed	141	213	72
Total Percentage Completed	37%	56%	19%

SIT Results – April 30th, 2021 vs September 24th, 2021

SIT-1 Totals	Prior	Current	Total Δ
	April 30, 2021	September 24, 2021	
Total Number of SITs	146	170	24
Total Number Completed	32	90	58
Total Percentage Complete	22%	53%	31%

Status of Grade Crossing Approval

	Grade Crossings		
	Gated	Street Running	Total
Total Number of Crossings	10	6	16
Total Number Accepted	1	0	1
Total Percentage Complete	10%	0%	6%

Grade Crossing Testing with Train Movement



Emergency Over and Under Car Deluge System Testing



Over-Car Deluge System at Leimert Park Station



Under-Car Deluge System at Leimert Park Station

Remaining Work Walks

Completed 25% of all the remaining systems walks:

- Traction Power – 30%
- Over-Head Catenary System – 50%
- Train Control – 30%
- Electrical – 20%
- Mechanical and Plumbing – 5%
- Communications – 20%



Remaining items walk for Over-Head Catenary System



Remaining items walk for Traction Power Substations




Remaining items walk for Train Control and Communications

Metro Photo Enforcement Program

- **September 1, 2021:** Outreach efforts begin
- **October 1, 2021:** **Two**-month warning period begins
 - Traffic violation warning notices issued by LA Sheriff Dept for traffic signal violations
 - Metro administers the program and the LA Sheriff's Dept manages the citation issuance and Court representation.
- **December 1, 2021:** Traffic citations issued
 - motorists who disobey traffic signals and operate vehicles in an illegal manner will begin receiving traffic citations in the mail.
 - Citations on the Metro program average \$100 plus penalties and assessments




 Los Angeles County Metropolitan Transportation Authority One Gateway Plaza Los Angeles, CA 90012-2952 213.922.2000 Tel metro.net

Metro

Traffic Violation Warning Notice

Los Angeles County Sheriff's Department
Transit Policing Division



The Los Angeles County Metropolitan Transportation Authority (Metro) and the Los Angeles County Sheriff's Department are dedicated to reducing the number of accidents, injuries, and fatalities associated with red light violations. In that regard, Metro and the Sheriff's Department have implemented a Photo Safety program to monitor and enforce violations at the Metro transit system crossings.

The Program employs an automated traffic enforcement camera system. The cameras record violations as they occur during the red phase of the traffic signal. The camera systems generate high quality photographs of the violation. Superimposed on each photograph are the date, time, location, amber time, and the length of the red signal.

The violation was photographed on {DATE} at {TIME} by the automated traffic enforcement camera system. The vehicle with the license plate {ABC123} which is registered in your name, was photographed {Red Time} seconds after the red light was activated at the intersection of {Location} on the Crenshaw Line.

This is a warning only. This notice does not require a response from you. The Crenshaw Line Photo Enforcement Program is issuing warnings only from **October 1, 2021 to October 31, 2021. Effective November 1, 2021, actual Citations will be mailed out to violators.** We encourage you to discuss this information with anyone who drives your vehicle. Disobeying traffic control devices is a serious offense that can have fatal consequences.

If you have any questions regarding this warning notice, please contact the Traffic Violations Bureau toll free at (877) 786-7234, Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m., excluding holidays.

Para instrucciones en Español por favor llame al telefono (877)-786-7234.

Los Angeles County Sheriff's Department
Transit Policing Division
Photo Enforcement Unit

THIS IS NOT A CITATION

Sample Warning Enforcement Letter

Metro Photo Enforcement Program

Crenshaw Bl between 48th St and 59th St

- Cameras are installed at the at-grade train crossings along Crenshaw Bl between 59th and 48th St
- Left-turn movements from Crenshaw Bl at train crossings onto side streets will be enforced by cameras
- Metro's contractor (Redflex) manages the operation and maintenance of the system
- Photo Enforcement Program has been implemented on the A Line (Blue), L Line (Gold), G Line (Orange), and E Line (Expo)



Left turn cameras on Crenshaw between 48th St and 59th St



Metro Photo Enforcement Program

Crenshaw Bl between 48th St and 59th St

Photo Enforcement Program Safety

- Aimed to improve vehicular and pedestrian safety and mitigate potential train and auto accidents associated with red-light violations at highway rail-grade crossings
- Together with Engineering, Education and Enforcement we've managed to reduce our left turn accidents by over 60%
- The system will be installed on all future light rail lines where dedicated Left Turn Lanes exist



Traffic Enforcement Camera and Warning Sign at the Metro L (Gold) Line



Metro Photo Enforcement Program

Community Outreach

- On **September 1st, 2021**, **two** months in advance of program implementation, Metro implemented a robust outreach program including:
 - Briefings
 - Presentations
 - Digital media
 - Posted on Next Door
 - Media Relations
 - Paid media buys consisting of print and radio media
 - Door-to-door notice distribution
 - E-mail blasts to CLAX Stakeholder email lists



Traffic Enforcement Camera at the Metro L (Gold) Line



M METRO AIRPORT CONNECTOR

Airport Metro Connector (AMC) Station: Overview

- June 2014, Board approved adding a station to the Crenshaw/LAX Line at Aviation Bl/96th St.
- Will connect Los Angeles International Airport (LAX), with the Airport Metro Connector Transit Station (AMC) at Aviation Bl/96th Street.
- Once in operation, riders will transfer quickly and easily between LAX and Metro's network.
- AMC Station will be located on the future Crenshaw/LAX Transit Project, and will include:
 - Bus plaza
 - Bicycle parking
 - Customer service center, passenger pick-up and drop-off area
 - Commercial area for retail tenants
- Estimated project budget is \$898M.

AMC: Project Location




CRENSHAW LINE

AMC STATION

LAX

Airport Metro Connector (AMC): Project Features

Metro


 Crenshaw/LAX Transit Project (under construction)

 Metro Green Line Service Extension (proposed)

 Station (under construction)

 Airport Metro Connector Transit Station (design in progress)

Los Angeles World Airports (LAWA)

 Automated People Mover (APM) route and station (design in progress)

Subject to Change

17-2439 © 2017 LACMTA



Airport Metro Connector (AMC): Project Rendering



BIKE HUB



CRENSHAW/ LAX
LINE & GREEN LINE



BUS PLAZA



SITE SUPPORT
FUNCTIONS

APM
(BY LAWA)



METRO HUB
& VEHICULAR
DROP OFF



SITE PERIMETER
LANDSCAPE BERMS



MULTI-USE PATH/
SIDEWALK

Aviation Blvd

Arbor Vitae St

PEOPLE MOVER: Progress Photos (LAWA)



PEOPLE MOVER: Progress Photos (LAWA)



PEOPLE MOVER: Progress Photos (LAWA)





Airport Metro Connector (AMC) Station: Project Status

- Much of the advanced utility work, which began in 2020, for the project has been completed, and should there be any other work needed, there would be minimal public impact.
 - Moreover, the bulk of the heavy construction will take place within a closed construction area.
- Major construction of the Airport Metro Connector project is currently anticipated to begin early 2022 and the estimated completion year is 2024.
 - The timeline for the start of major construction is somewhat depending upon the completion of the C/LAX Transit Project.
- Due to construction on the AMC station, the Crenshaw/LAX rail will open with an initial operating segment from the Expo/Crenshaw Station to the Westchester/Veterans Station and back and will include a 'bus bridge' (shuttle) to connect stations.
- Metro Micro service
- Because the APM and AMC projects are adjacent, Metro coordinates with LAWA regularly on construction, logistics and timelines.

Thank You

Contact Us

laxconnector@metro.net

213.922.4998

Metro Small Business Pilot Programs

Help small “mom and pop” businesses continue to thrive throughout construction and post construction

Metro Business Solution Center (BSC)

Metro Business Interruption Fund (BIF)



Business Solution Center Crenshaw/LAX Transit Project

BSC Business Resources:

- Hands-on business development
- Expert business advice and coaching
- Technical assistance
- Referrals to expert professionals

BSC Program Statistics – through Q2 2021:

- Number of business Contacts: 479
- Number of business Intakes/Assessments: 363
- Number of business referrals: 1145

The screenshot shows the website for the Metro Crenshaw/LAX Transit Project Business Solution Center. The header is green with the Metro logo and navigation links: Small Business Week, Events, About Us, Services, and Contact. Below the header, the text reads "CRENSHAW/LAX TRANSIT PROJECT BUSINESS SOLUTION CENTER". A carousel of images shows a man in a light blue shirt, a woman in a yellow shirt, and a woman in a yellow shirt playing a drum. A "Learn More About the BSC..." link is visible below the carousel. Below the carousel, the text reads "The Metro Crenshaw/LAX Transit Project Business Solution Center" and "Metro's Pilot Business Solution Center (BSC) provides hands-on business assistance and support services to small businesses along the Crenshaw/LAX corridor during the four-year term of the Crenshaw/LAX Transit Project. Small businesses along the corridor have access to the BSC for business and technical assistance including business development services and referrals to partnering business resource providers (read more...)." The text "Learn More About the BSC..." is also visible below the carousel.

Business Solution Center

COVID-19 Support

Support for businesses during COVID-19 Pandemic:

- Continued services via phone call, email and safely performed site visits throughout duration of the pandemic
- Small business administration
 - SBA contact for outreach/support
 - Disaster loan funding
 - PPP funding
- Los Angeles Urban League micro grants
 - Grants between \$2,000 - \$5,000
 - Over 10 grants awarded for more than \$35,000
- Others



Metro's Business Interruption Fund



BIF Information and Eligibility

- Financial assistance to small “mom & pop” businesses with 25 or fewer full-time employees directly impacted by Metro Rail construction along three project areas:
 - Crenshaw/LAX Transit Project
 - Purple Line Extension, Sections 1, 2 & 3
 - Regional Connector Project, Little Tokyo area & 2nd/Broadway Segment*
- Businesses must be located immediately adjacent to the rail corridor and meet other eligibility requirements
- Grant amounts are determined by business revenue loss directly related to period of Metro construction disruption
- Businesses may receive up to \$50,000 per impact year



*Segment eligibility based on full street closure with duration greater than six continuous months. Eligibility ended 6/30/17.

Metro's Business Interruption Fund

Metro's Business Interruption Fund (BIF) is **accepting applications** for transit rail **construction impact** along the Crenshaw/LAX Transit Project, the Little Tokyo area of the Regional Connector and Sections 1, 2 and 3 of the Purple Line Extension **sustained from March 20, 2020, forward** (during the COVID-19 pandemic).

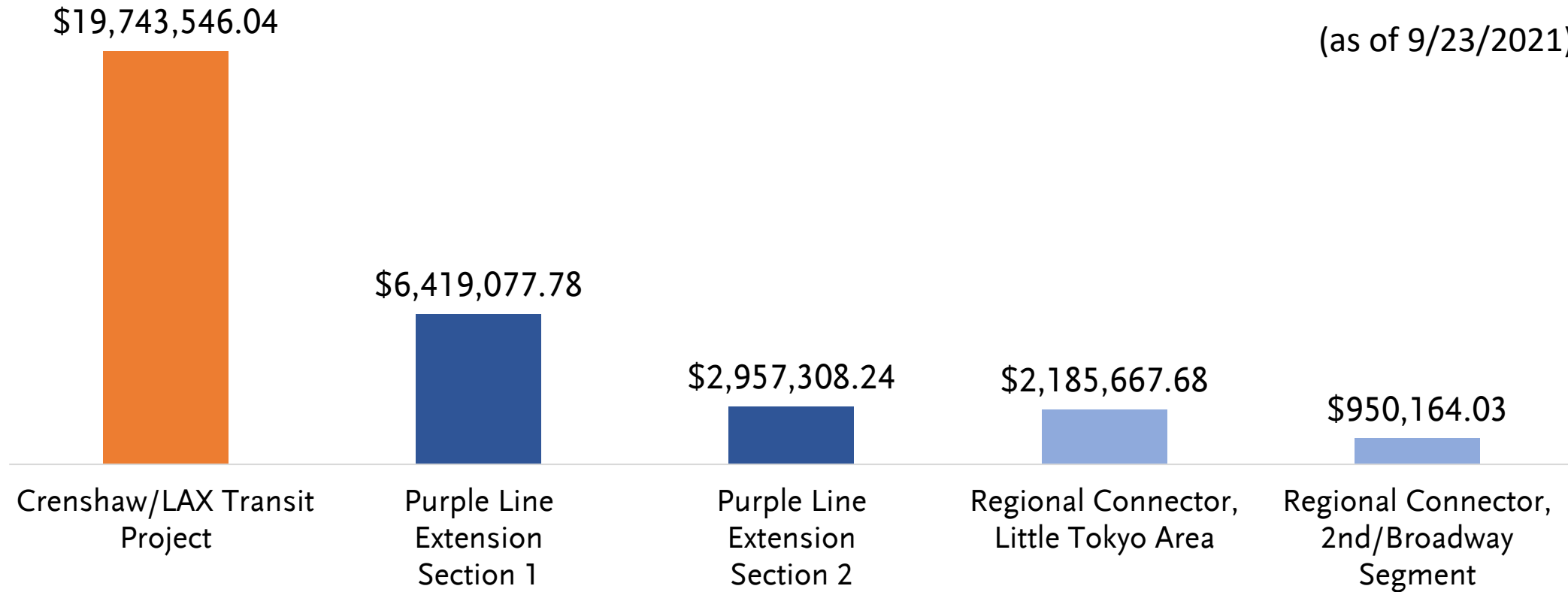
- **Small “mom and pop” businesses** that experienced transit rail construction impact during the COVID-19 pandemic **may be eligible**.
- Potentially eligible small business owners may *contact BIF Fund Administrator Pacific Coast Regional at 213.739.2999 x223 or Metro at bif@metro.net*.

Metro's Business Interruption Fund

Value of BIF Grants Awarded:
\$32,255,763.77*



(as of 9/23/2021)



*BIF Grants do not cover COVID-19 related impacts.

Business Interruption Fund

Crenshaw/LAX Transit Project



BIF Program Statistics – September 23, 2021:

- BIF applications submitted: 1549
- BIF applications approved: 1296
- BIF applications pending financials: 125
- BIF applications deemed not eligible: 126
- BIF applications denied: 2
- BIF Grants Awarded: 1279
- BIF Grant Payments: \$32,255,763.77

Crenshaw/LAX – BIF Statistics:

- 797 grants awarded to C/LAX
- Total amount: \$19,743,546.04
- 232 small businesses received a grant

Business Interruption Fund Crenshaw/LAX Transit Project



Learn More: [Metro.net/bif](https://metro.net/bif)

Eat Shop Play Crenshaw & Inglewood

Eat Shop Play has been highlighting local mom and pop businesses in Crenshaw and Inglewood, especially eateries and specialty businesses operating pick-up and delivery during the past months.

The Eat Shop Play Crenshaw and Inglewood programs continue supporting local businesses as construction progresses by promoting them through regular social media posts and newsletters to over 14,000 community members.



Social Media Posts

 **Metro Crenshaw/LAX Transit Project**
August 17 at 12:00 PM · 🌐

Dulan's On Crenshaw is currently being remodeled, but you can still get your soul food fix at their Dulanville food truck stationed in front.

#EatShopPlay #Crenshaw
Support Local Businesses
<https://bddy.me/37NvgvA>



August 2021 Facebook Spotlight

 **Crenshaw/LAX Transit Project**
September 22 at 12:00 PM · 🌐

HOT and COOL CAFE specializes in coffee and vegan fare in the heart of Leimert Park. In addition to brewing coffee, they now sell unique coffee blends as Crenshaw Coffee Co. Stop by for delicious cauliflower wings or vegan sliders and take a bag of beans to brew at home.

#EatShopPlay #Crenshaw
Support Local Businesses
<https://bddy.me/3EH74Km>



September 2021 Facebook Spotlight

Featured Eat Shop Play Businesses

Eso Won Books

- Hosted Barack Obama in 1995 and 2005
- 2021 Publishers Weekly Bookstore of the Year
- [\(323\) 290-1048](tel:(323)290-1048)
- 4327 Degnan Blvd, Los Angeles, CA 90008
- <https://www.esowonbookstore.com/>



Malik Books

- Virtual Storytime
- Regular Author Meets and Book Signings
- [\(323\) 389-8040](tel:(323)389-8040)
- 3650 W Martin Luther King Jr Blvd Ste 245, Los Angeles, CA 90008
- <https://malikbooks.com/>



“OUR ROOTS ARE STRONG“



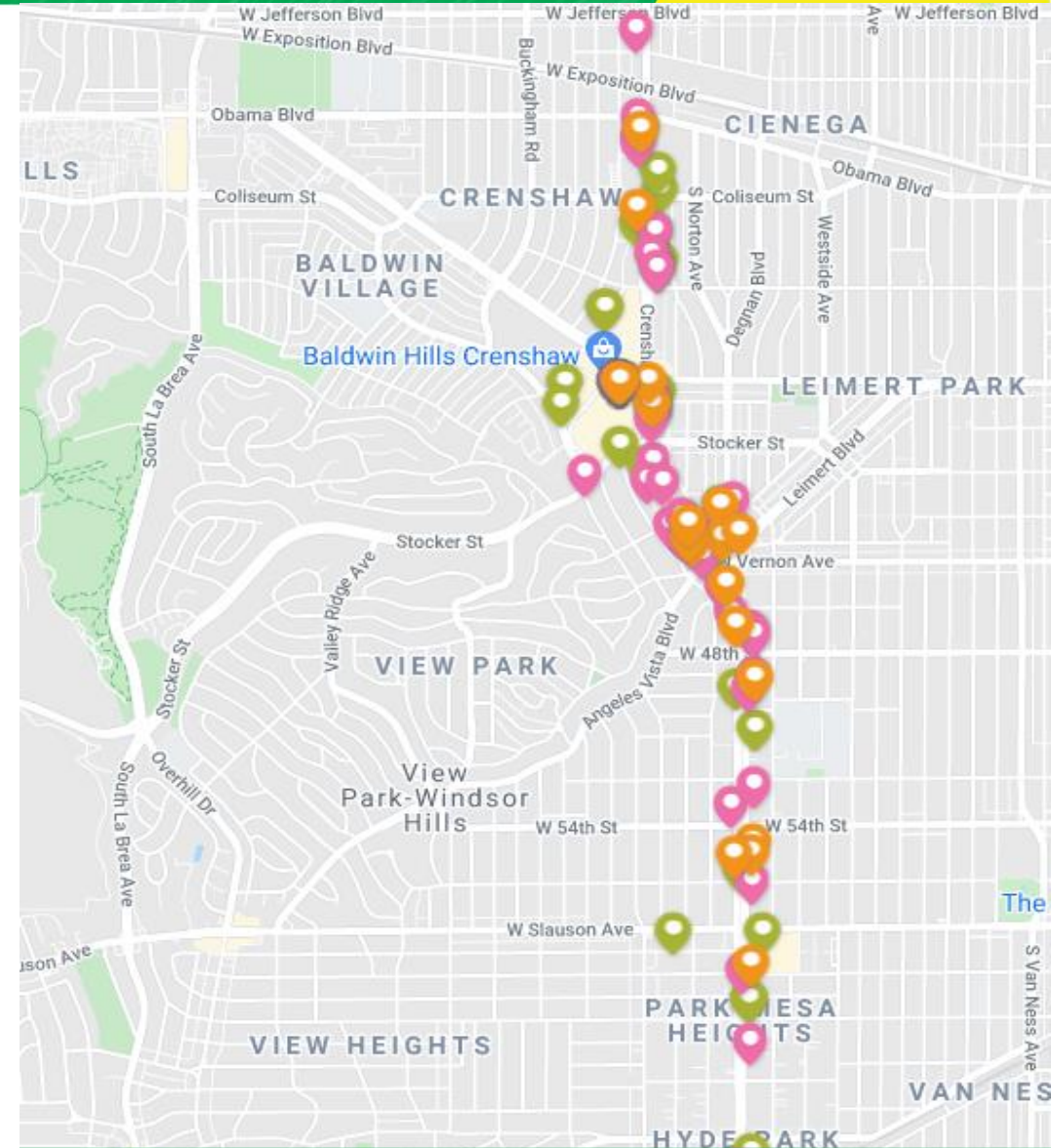
Eat Shop Play

ESP Business Spotlights:

- Metro Crenshaw/LAX Social Media Spotlights
- Regular Crenshaw/LAX Eat Shop Play email spotlights
- Referrals to Business Solution Center and Business Interruption Fund

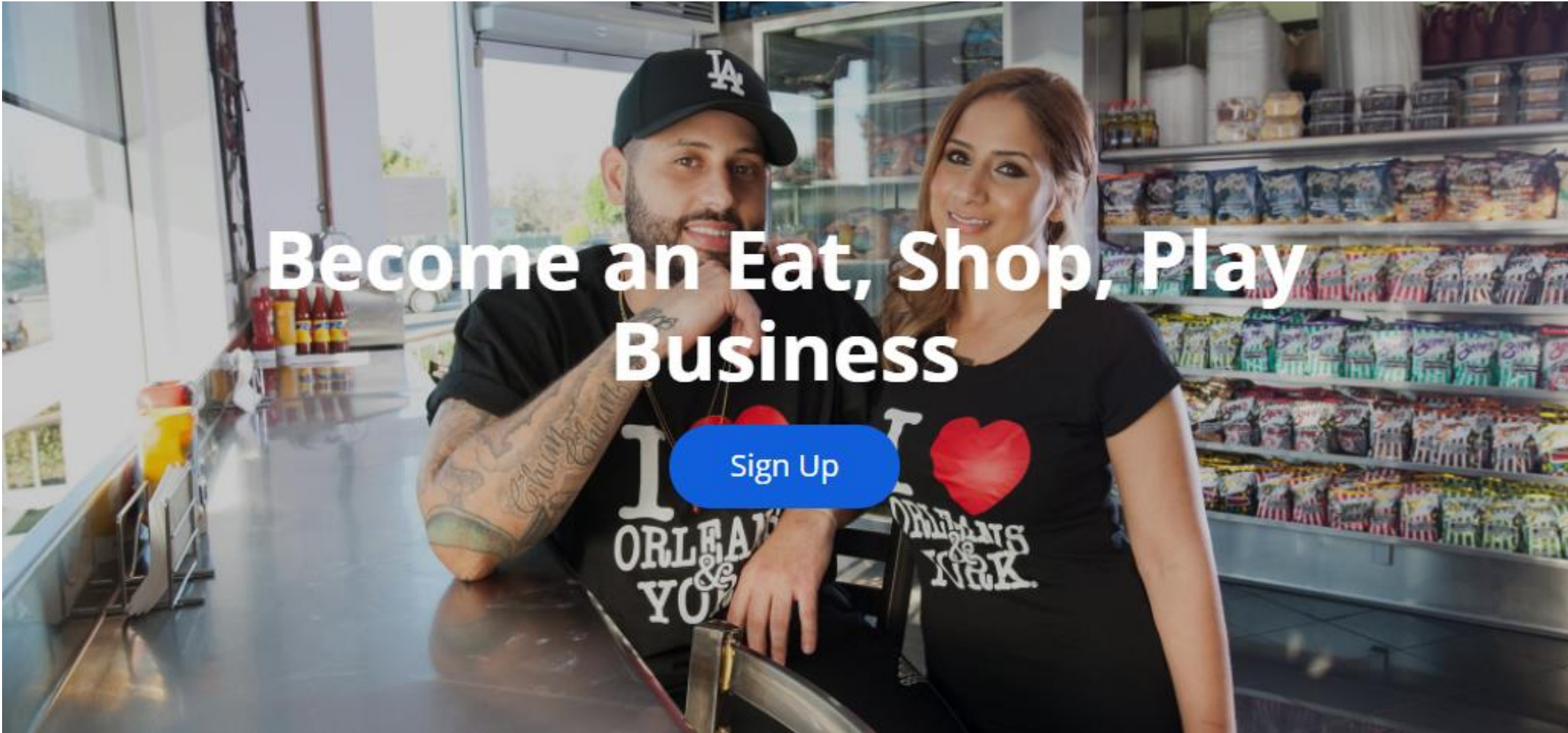
ESP Program Statistics: July 2020 – September 30, 2021:

- Number of Crenshaw/LAX Eat Shop Play businesses: 96
- Eat Shop Play Social Posts: 79
- Eblasts & Newsletters 30
- Total Individual Business features: 158



Map of Crenshaw Eat Shop Play Businesses

Enroll Your Business

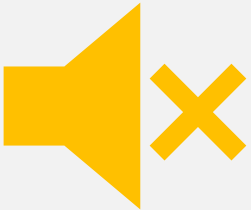


metro.net/eatshopplay | eatshopplay@metro.net

Using Zoom & Submitting Questions



This meeting is being recorded. Video file will be posted on our web site at metro.net/crenshaw



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Please ask questions and submit comments via the Q&A feature or text us.



Q&A



Raise Hand



Chat

Thank You, Please Connect With Us



213.922.2736



crenshawcorridor@metro.net



metro.net/crenshaw



@crenshawrail



crenshawrail