



We're planning a better commute  
on the 105.



I-105 EXPRESSLANES PROJECT



# Introduction of Project Team

## **Construction Management**

James Wei

Executive Officer

Frank Hsieh

Sr. Director

## **ExpressLanes**

Philbert Wong

Sr. Director

## **Construction Relations**

Olga Arroyo

Community Relations Director

Ron Macias

Community Relations Manager

Williams Lopez

Principal Community Relations Officer

## **FMJV Construction Management**

Jared Dotinga

## **FMJV Community Relations**

Madison Viola

Director of Public Outreach

Clare Bastian

Community Liaison

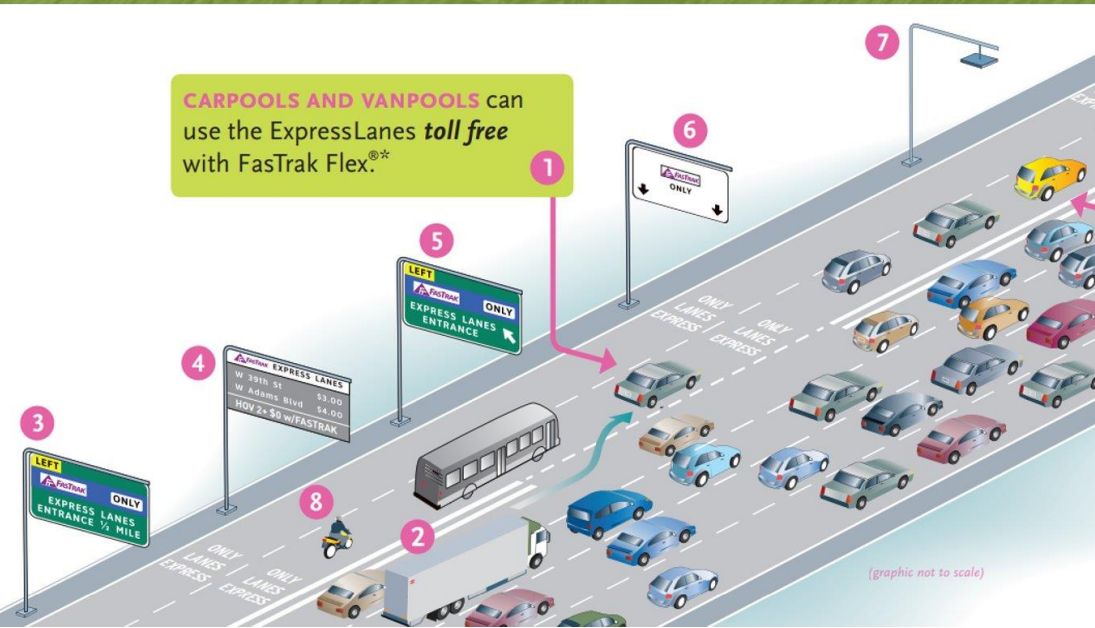


# Project Overview

- > Converts existing, I-105 HOV lane to two ExpressLanes in each direction between Sepulveda Bl and Studebaker Rd/I-605
- > Provides more options, access, and connections for all users of the I-105 corridor
- > Segment 1: Sepulveda Bl – Central Av
- > **No residential Right-of-Way impacts**
- > Is among the projects and improvements of Measure M that was supported and approved by LA County voters including voters in the project area



# How ExpressLanes Work



- Metro ExpressLanes program features:
- ✓ Transit Benefits/Rewards
  - ✓ Clean Air Vehicle Discount
  - ✓ Low Income Assistance Plan
  - ✓ Choices for Solo Drivers
  - ✓ ExpressLanes revenue reinvestment
  - ✓ For more information, please go to [Metroexpresslanes.net](http://Metroexpresslanes.net)

**METRO EXPRESSLANES**  
Customer Service  
877.812.0022

solo driver 1  
2 person carpool 2  
3+ person carpool 3

**FASTRAK flex** Set before driving

- ExpressLanes users enter/exit at designated locations
- Qualified carpools travel toll-free (with a transponder)
- Vehicles can use the ExpressLanes without a transponder but pay \$8+toll
- Any transponder issued in California will work on the I-105 ExpressLanes



# Estimated toll rates and uses of toll revenue

- > In the WB AM peak (6-9am) direction, toll rates can range from \$1.20/mile to \$2.81/mile in 2028.
- > During the EB PM peak (3-7pm) direction, toll rates can range from \$0.57/mile to \$2.42/mile.
- > Per State law, toll revenue is reinvested into the corridor it was generated.
- > Revenue will be used to pay for operations and maintenance, CHP enforcement, Freeway Service Patrol tow trucks, repayment of debt, and net toll grants to jurisdictions within three miles on either side of I-105 (net toll grants subject to funding availability)

# Net Toll Revenue Grant Program

- > Toll revenues generated from the Metro ExpressLanes are reinvested back into the corridor from which they were derived
- > Eligible improvements funded through net toll revenues include transit improvements, active transportation, and roadway improvements
- > In July 2014, Round 1 Net Toll Revenue Grant Program funded 20 projects totaling \$19.3 million
- > In August 2016, Round 2 Net Toll Revenue Grant Program funded 21 projects totaling \$27.9 million
- > In October 2023, Round 3 Net Toll Revenue Grant Program funded 16 projects totaling \$64.9 million



# Examples of Net Toll Grant Funded Projects (I-110 Corridor)

	Sponsor	Project Name
<b>Round 1 (2014)</b>	City of Gardena	Line 1X-Expand Transit Bus Service on I-110 Freeway
	LA County	South Bay Arterial Performance Measurement Project
	LACTMA	Bikeshare - Downtown Los Angeles Project
	Long Beach Transit	Los Angeles Galaxy Shuttle Bus Service (Galaxy Express)
<b>Round 2 (2016)</b>	LACTMA	Bus Rapid Transit Freeway Station Sound Enclosure
	City of Carson	I-110 Freeway Arterial Improvements
	LA County	Vermont Green Line Intersection Improvement Project
<b>Round 3 (2023)</b>	LACTMA	Slauson Area Tree Canopy Project
	LA County	I-110 Corridor Traffic Signal Synchronization and Communication Project
	Torrance Transit	Line 1 Service Enhancement

**34 Projects**

**\$69.3 Million Total**



# Examples of Net Toll Grant Funded Projects (I-10 Corridor)

	Sponsor	Project Name
<b>Round 1 (2014)</b>	Caltrans	Express Lanes Corridors Incident Management Improvements
	City of Baldwin Park	Baldwin Park Commuter Connector Express Line
	City of Baldwin Park	Frazier Street Pedestrian and Bicycle Safety Improvements
	City of El Monte	Santa Anita Avenue Active Transportation for El Monte Station and Downtown El Monte
	City of El Monte	I-10 Active Commute, Healthy Communities Project
<b>Round 2 (2016)</b>	Foothill Transit	Procurement of two Electric Double Decker Buses
	Access Services	Accessible CNG-Fueled Vehicles for Access Services
<b>Round 3 (2023)</b>	City of Baldwin Park	Los Angeles Street Complete Streets Improvement Project
	City of South El Monte	I-10 E-Bike Access Project
	City of El Monte	Traffic Calming for Parkway Dr/Denholm Dr

**23 Projects**

**\$42.9 Million Total**



# Project Overview: Benefits

- > **Addresses speed degradation** in the existing HOV lane operating at less than 45 mph during peak periods. Traffic volume and mobility will be managed by ExpressLanes tolling system to keep speeds above 45 mph.
- > **Enhances operations and improves trip reliability and travel times** within the corridor for HOVs, vanpools, and all commuters and transit service to LAX. General Purpose lanes' traffic flows will be improved.
- > **Enhances highway safety** by addressing an auxiliary lane gap closure and by reducing stop and go traffic conditions, which will in turn reduce rear-end collisions.
- > **Addresses freeway overflow and congestion on local streets** by shifting vehicles in local area streets back onto the freeway and will **improve livability for corridor residents**.

# Existing I-105 Traffic Conditions

- > Current I-105 HOV lane peak period speeds are between 25-30 MPH
  - **HOV lanes are classified as degraded per Federal standards**, defined as operating at below 45 miles per hour
- > Existing traffic data:
  - WB AM Peak end to end average travel time 37 minutes, average speed 25.5 MPH
  - EB PM Peak end to end average travel time 55 minutes, average speed 17 MPH
  - WB AM Peak period is between 6-9AM, EB PM Peak period 1-7PM

# Safety Benefits

The I-105 ExpressLanes Project will provide the following safety benefits:

- > New auxillary lanes between I-710 - Long Beach Bl to improve lane merging
- > Improve traffic flow that will:
  - Reduce stop and go traffic
  - Reduce rear-end collisions
- > Updated lane re-striping for improved nighttime visibility
- > Channelizers for the buffer zones between ExpressLanes and general purpose lanes reduces illegal traffic merge movements



## LOCAL NEWS

### Long Beach, South Bay area commute slowed by heavy traffic, accident on 105 Freeway



By **GREG YEE** | greg.yee@presstelegram.com  
UPDATED: September 1, 2017 at 3:56 AM PST



Listen to this article



Long Beach area freeways are clogged and congested this morning.

710 Freeway: Northbound lanes are clear until the 105 Freeway where traffic into the 30s all the way to the I-5. Southbound lanes are mostly clear coming south of the I-5 and into Long Beach.

405 Freeway: Northbound lanes are showing typical slowing with traffic at a crawl from Orange County all the way through the South Bay. Southbound lanes are clear through the South Bay and Long Beach, but slow down into the teens at the Orange County line.

The whole team caring  
for the whole you



LEARN MORE



The whole team caring  
for the whole you



# Additional Project Improvements

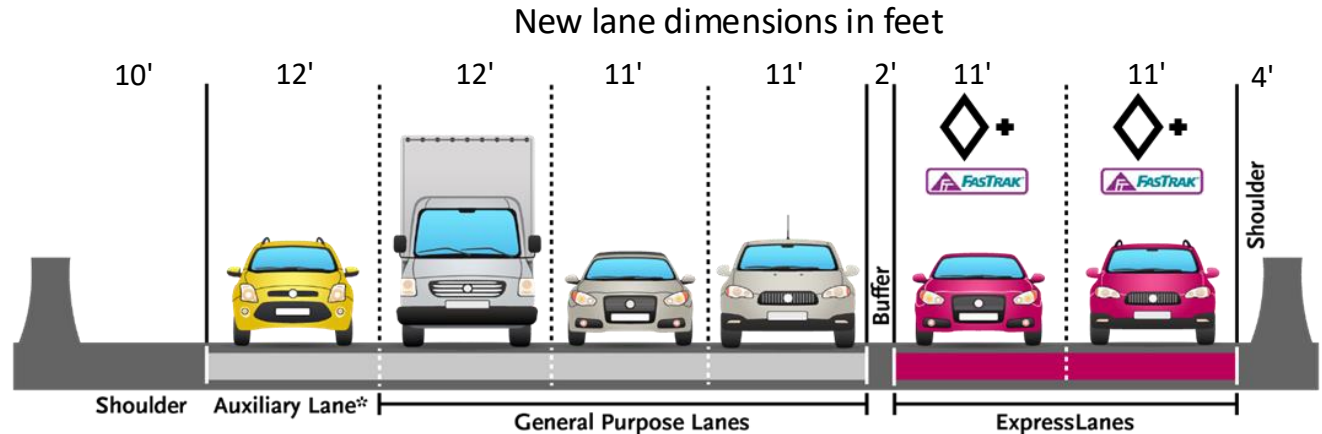
- > New soundwalls
- > Seismic retrofit of the Alameda Viaduct
- > Multimodal Improvements:
  - The project will **provide funding for improvements at Harbor and Avalon C line stations**, such as lighting, wayfinding, and state of good repair projects
  - The project is **exploring lighting improvements at under crossings** that are being widened as part of Segment 1
  - Future net toll **revenue will be used to fund active transportation, transit, and roadway projects** in the local community along the project alignment



# I-105 Freeway New Lane Configuration and Dimensions

The project will utilize non-standard lane and shoulder widths to fit the project within the existing Caltrans right of way:

- 11 ft. ExpressLanes
- two 11 ft. GP lanes, one 12 ft. GP lane
- 4 ft. left shoulder
- 2 ft buffer between ExpressLanes and GP lanes



# Project Status

- > Environmental certification – May 2021
- > Segment 1 Equity Assessment Study – Completed
- > Segment 1 construction contract approved by the Metro Board of Directors - Anticipated October 31, 2024
- > Total estimated Life-of-Project Budget - \$1.4-\$1.5B
- > Pre-construction work activities – Late 2024
- > **Start of Segment 1 Construction – Early 2025**
- > Start of Segments 2 & 3 Construction – Mid 2026
- > **Anticipated Segment 1 open to traffic – 2028**



# Early Preconstruction Work Activities

## Upcoming Work Activities:

- > Potholing
- > Cross Trench - utility investigations
- > Subsurface investigations
- > Video survey for storm drains
- > Noise and vibration studies
- > Pre-construction surveys
- > Video and GPS topographic surveys
- > Installation of exclusionary devices for bats

# Early Preconstruction Work Activities

- > Early preparation work activities conducted in advance of construction
- > Anticipated to start in Late 2024, with an anticipated duration of three months
- > Work schedule: Mon-Fri, 9PM – 6AM and intermittent daytime work between 9AM – 3PM and Sat-Sun between 10 PM-10 AM
- > Work conducted in Segment 1 area: Sepulveda to Central Av
- > Majority of work occurs on the I-105:
  - Freeway lanes closures
  - Some ramp closures
- > Work at six adjacent City street locations will be scheduled at a later time



# Community Outreach: Communication Tools

- > Dedicated Construction Relations Team
- > Quarterly construction update community meetings
- > Presentations / briefings to community groups
- > Targeted outreach to immediate area of impact
- > Outreach at community events
- > Project information line:  
213.922.6565/105ExpressLanes@metro.net
- > Project website: Metro.net/105expresslanes
- > Paid and earned media as needed



Community Meeting 7/17/24

# Community Outreach and Engagement

- > Project information dissemination
  - Construction notices (English / Spanish)
  - Door-to-door distribution
  - Email notifications
  - Community meeting notifications
  - Next Door/Social Media postings
- > Stakeholder coordination
  - Elected Official briefings
  - Coordination with local cities
  - Coordination with jurisdictional agencies
  - Outreach to businesses
  - Outreach to local schools
  - Outreach to faith-based institutions



Project contact card

# Stay connected to this project.



213.922.6565



*105ExpressLanes@metro.net*



Metro.net/105expresslanes



*@metrolosangeles*



*losangelesmetro*

