



We're building a safer drive on the 91.

SR-91 EASTBOUND ATLANTIC AV TO CHERRY AV SAFETY IMPROVEMENTS PROJECT

EXECUTIVE MANAGEMENT COMMITTEE: JANUARY 15, 2026

# Project Scope/Details

SR-91 EB Improvements  
Atlantic to Cherry

- > From SB I-710 to EB SR-91 between Atlantic Ave and Cherry Ave
- > 1.4-mile project limits (restriping) includes a 0.86-mile auxiliary lane between Atlantic Ave and Cherry Ave
- > Total Life-of-Project Budget: \$174.2 Million
- > Funded by local Measure R, Trade Corridor Enhancement Program state funding, and Surface Transportation Block Grant federal funding



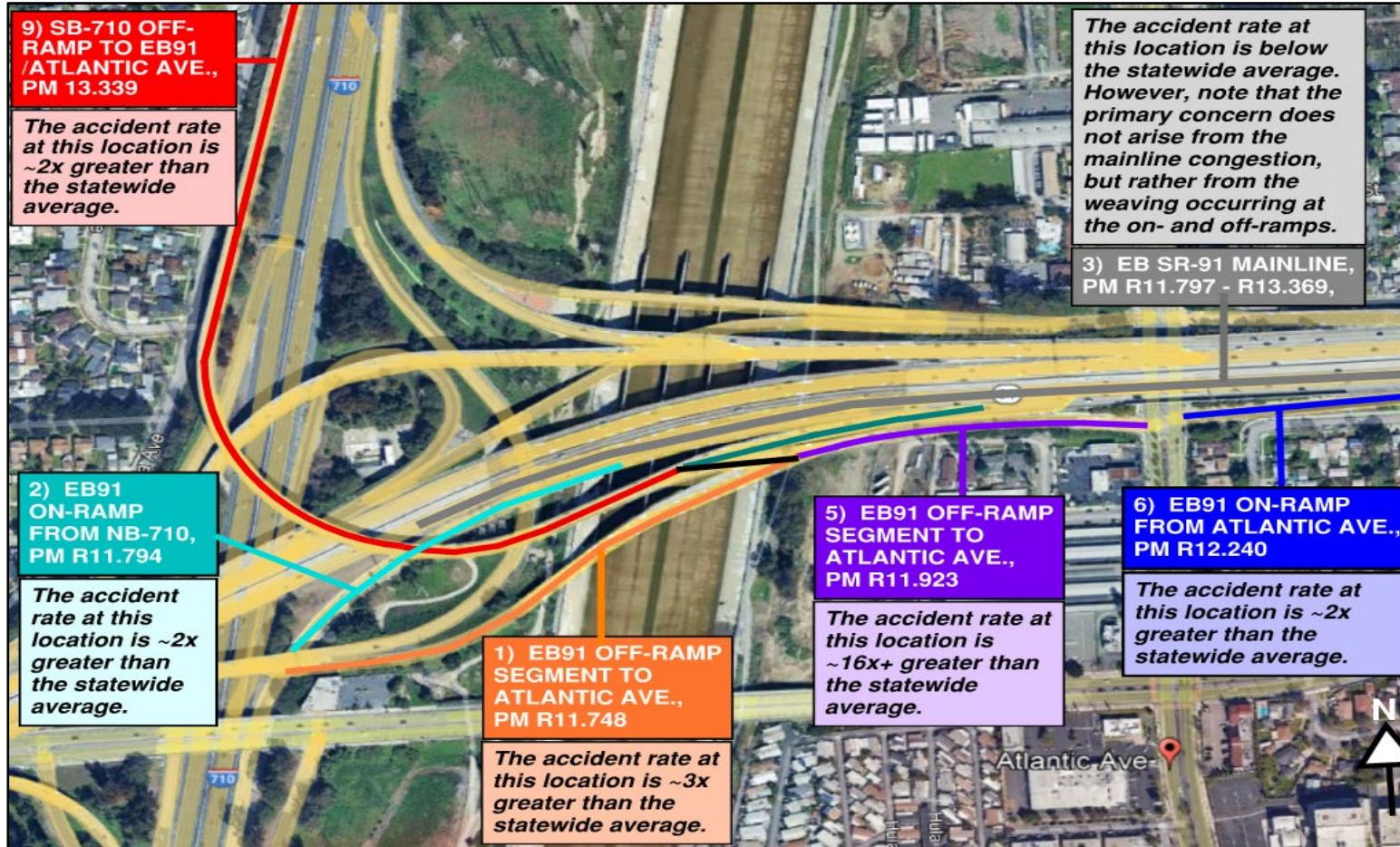
# This Project is to Address Existing Safety Concerns

SR-91 EB Improvements  
Atlantic to Cherry

- > Historical safety data for the project limits and surrounding areas were reviewed and analyzed
  - Trends and patterns related to traffic accidents, injuries, and fatalities were identified.
  - **High-risk areas were pinpointed** to evaluate the effectiveness of current safety measures and identify and design roadway improvements to reduce accidents and enhance overall driver and pedestrian safety.
- > Safety data was analyzed for the following time periods:
  - January 1, 2016 to December 31, 2018 (Environmental Document)
  - January 1, 2019 to June 30, 2024 (Follow up analysis)
    - Follow up analysis indicated that **accident rates have increased**
- > Total accident rates range from 30% to 73% higher than the total statewide average accident rate, and fatality rates in this area exceed statewide averages by 35%

# Crash Data Post Mile Map Graphic 1

SR-91 EB Improvements  
Atlantic to Cherry



# Crash Data Post Mile Map Graphic 2

SR-91 EB Improvements  
Atlantic to Cherry



# Project Specific Safety Improvements

*SR-91 EB Improvements  
Atlantic to Cherry*

- > Auxiliary lane allows more length for traffic to weave (change lanes) entering and exiting SR-91:
  - Reduces delays caused by crashes
  - Lower traffic density reduces the likelihood of crashes
  - Given high truck volumes, safety benefits also reduce more severe accidents involving cars and trucks.
- > HOV lane access area is increased in length:
  - Provides traffic more length to weave in and out of the HOV
- > Geometric improvements increase sight distances and improve safety
- > Pavement delineation, signage, and lighting upgraded to current standards
- > Lengthening storage on the Atlantic on-ramp provides additional space and reduces vehicles backing up onto Atlantic Avenue:
  - Provides safety benefits by reducing blocking of emergency vehicles and preserving response times

- > Previously included air filtration and tree mitigations, project staging, and accommodations for Hamilton Loop (grading and irrigation)
- > Additional Noise & Vibration Monitoring locations to address Community Concerns
  - Proactive Monitoring by Metro Team
  - Noise Monitoring App for Immediate Notifications
  - Noise Monitoring before, during, and after construction (added)
- > Hamilton Loop Project Coordination with the City of Long Beach has started and is ongoing
- > LED Lighting to immediately address identified safety and security concerns
- > Community Enhancements: Lighting, graffiti, trash, and maintenance
- > Restricting Work on Sunday and Weekends (Except in Emergencies or Pre-approved)

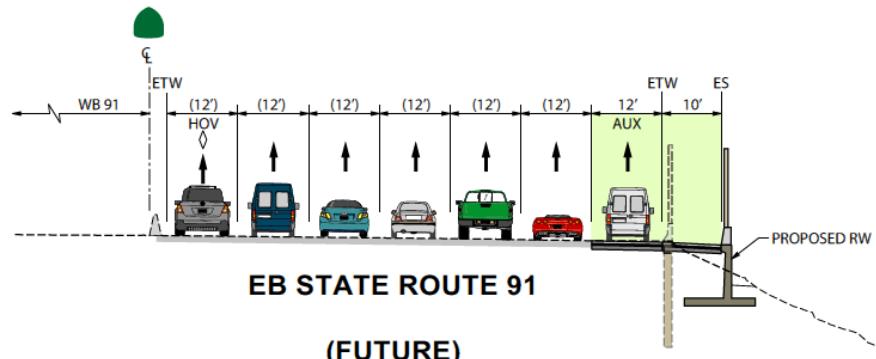
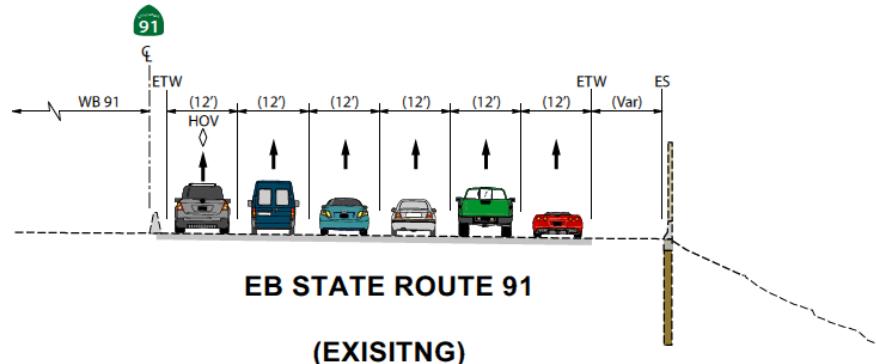
- > **Early planning & trust infrastructure:** Plain-language rollout plan, stakeholder mapping, and CBO onboarding led by The Edmond Group, with oversight from Metro.
- > **City alignment & issue response:** CD9/City weekly meetings, Good Neighbor Agreement, rapid response protocols during construction, and escalation tracking.
- > **Multilingual communications & digital alerts:** Updated project materials, FAQs and construction updates, website/Nextdoor support, real-time opt-ins.
- > **High-visibility field outreach & early activations:** Door-to-door and sensitive receptor outreach, and participation in D9 community events
- > **Partnerships with Community and Youth:** City-led Hamilton Loop Roadshow, collaboration with Jordan High School Advanced Manufacturing, Construction and Engineering (ACE) Academy – college/career exploration, tours, job shadowing, and LA/OC Building Trades non-profit coordinated Job Fair.
- > **CBO-led delivery & local storytelling:** Trusted community partners (ex: Central Cha, Cambodia Town, YMCA, and Boys & Girls Club), local vendors, workforce pathways, youth-forward storytelling

# BONE YARD SLIDES

# Auxiliary Lane Cross Section

SR-91 EB Improvements  
Atlantic to Cherry

- > The project adds a 0.86-mile EB auxiliary lane between Atlantic Av and Cherry Av
- > There will not be any additional thru lanes
- > The shoulder will be standardized



# Project Staging

SR-91 EB Improvements  
Atlantic to Cherry



# SR-91 EB LOP/FUNDING (millions)

SR-91 EB Improvements  
Atlantic to Cherry

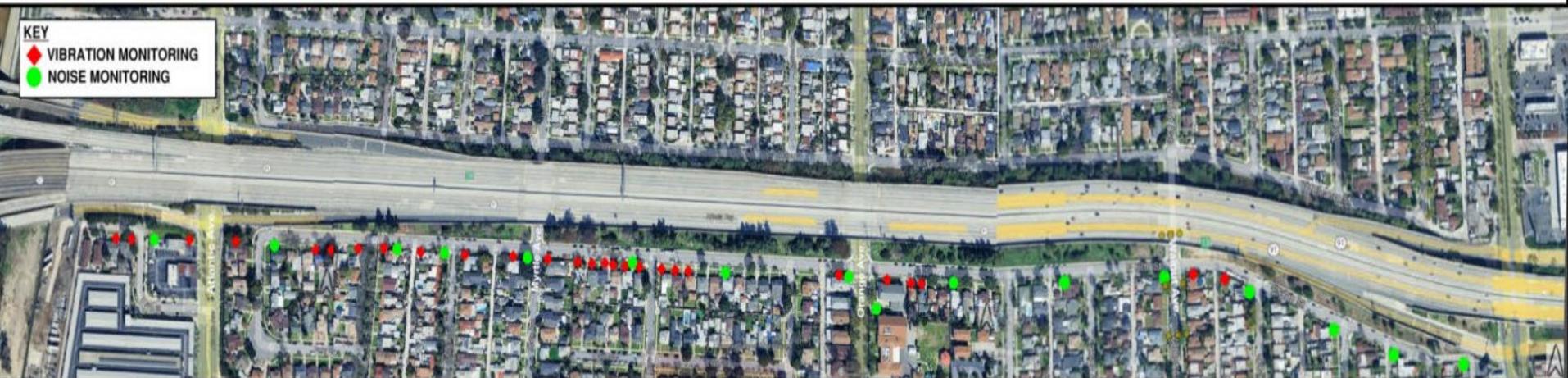
<b>SR-91 EB LOP</b>	<b>\$174 M</b>
<b><u>Cost Spent to Date (Approximated)</u></b>	
Flatiron West In. – Contractor Cost to Date	\$5.16 M
Flatiron West Inc. – Contractor Suspension Cost ( From July 2024 through December 2025)	\$2.82 M
Flatiron West Inc. – Contractor Delay & Termination Claim	\$20.9 M
Arcadis USA Inc. – CMSS Cost to Date	\$4.49 M
Arcadis USA In – CMSS to Close Contract	\$0.96 M
TRC & Others – DSDC & Other Cost to Date	\$2.0 M
LA Metro – Cost to Date	\$2.34 M
LA Metro – Cost to Close Contract	\$0.36 M
Sunk Cost to Date (Design/PS&E \$8M & Flirtation's \$0.75M)	\$8.75 M
<b>Total Estimated Termination Costs</b>	<b>\$47.78 M</b>
<b><u>Grants/Funds to be Returned</u></b>	
TCEP Funds	\$48.3 M
STBG Funds	\$24.3 M
<b>Total Grants/Funds to be Returned</b>	<b>\$72.6 M</b>
<b>Funds Remaining and Returning to GCCOG/Measure R</b>	<b>\$53.62 M</b>



# Noise & Vibration Monitoring Overview

SR-91 EB Improvements  
Atlantic to Cherry

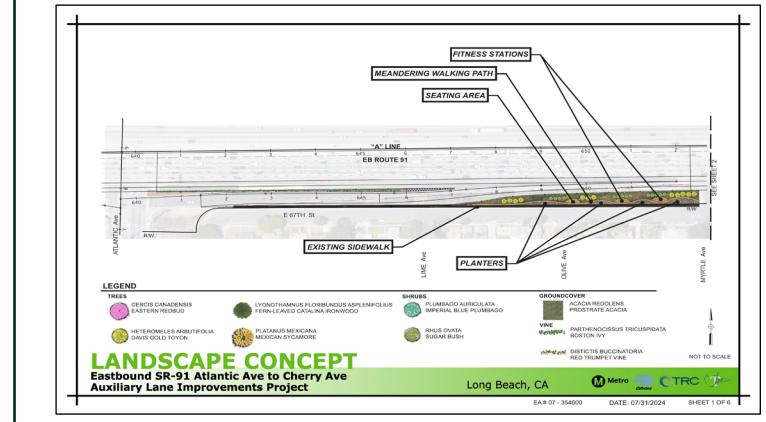
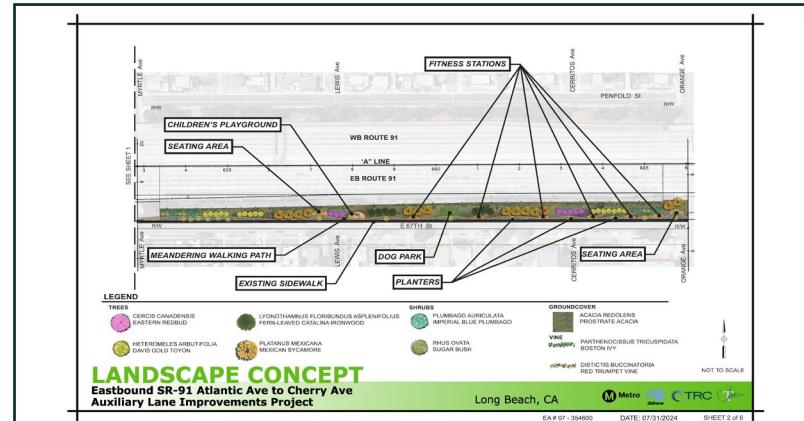
## SR-91 EB ATLANTIC TO CHERRY IMPROVEMENTS NOISE & VIBRATION MONITORING LOCATIONS



# Design Evolution - Addressing Community Concerns

SR-91 EB Improvements  
Atlantic to Cherry

- > Metro and the City of Long Beach coordinated to integrate elements of the Hamilton Loop Project into this project.
- > Metro increased the depth of the retaining wall to facilitate the implementation of the Hamilton Loop Project.
- > On-going coordination with City staff ensured landscaping would be compatible with the Hamilton Loop Project.
  - This included adding irrigation lines to support the Hamilton Loop Project's landscaping.



# Noise Evaluation – Addressing Community Concerns

*SR-91 EB Improvements  
Atlantic to Cherry*

- > Noise Study Report completed Sept 2020 using readings from August 2019 (pre-pandemic)
- > Noise Abatement Decisions Report in October 2020 (documents the appropriate abatement)
- > New soundwall will be two feet taller – 12-14 ft
- > New rubberized asphalt pavement of the Atlantic ramps and Cherry off-ramp will reduce noise
- > 4-stage construction to mitigate noise and minimize construction impacts to the community
- > Study found existing levels of traffic will continue to lead to an increase in noise levels
  - Existing noise levels range between 56 dB to 65 dB (study conducted August 2019 at 9 locations in close proximity of the freeway)
  - With No Build noise levels are forecasted to range between 64 dB to 72 dB by year 2045

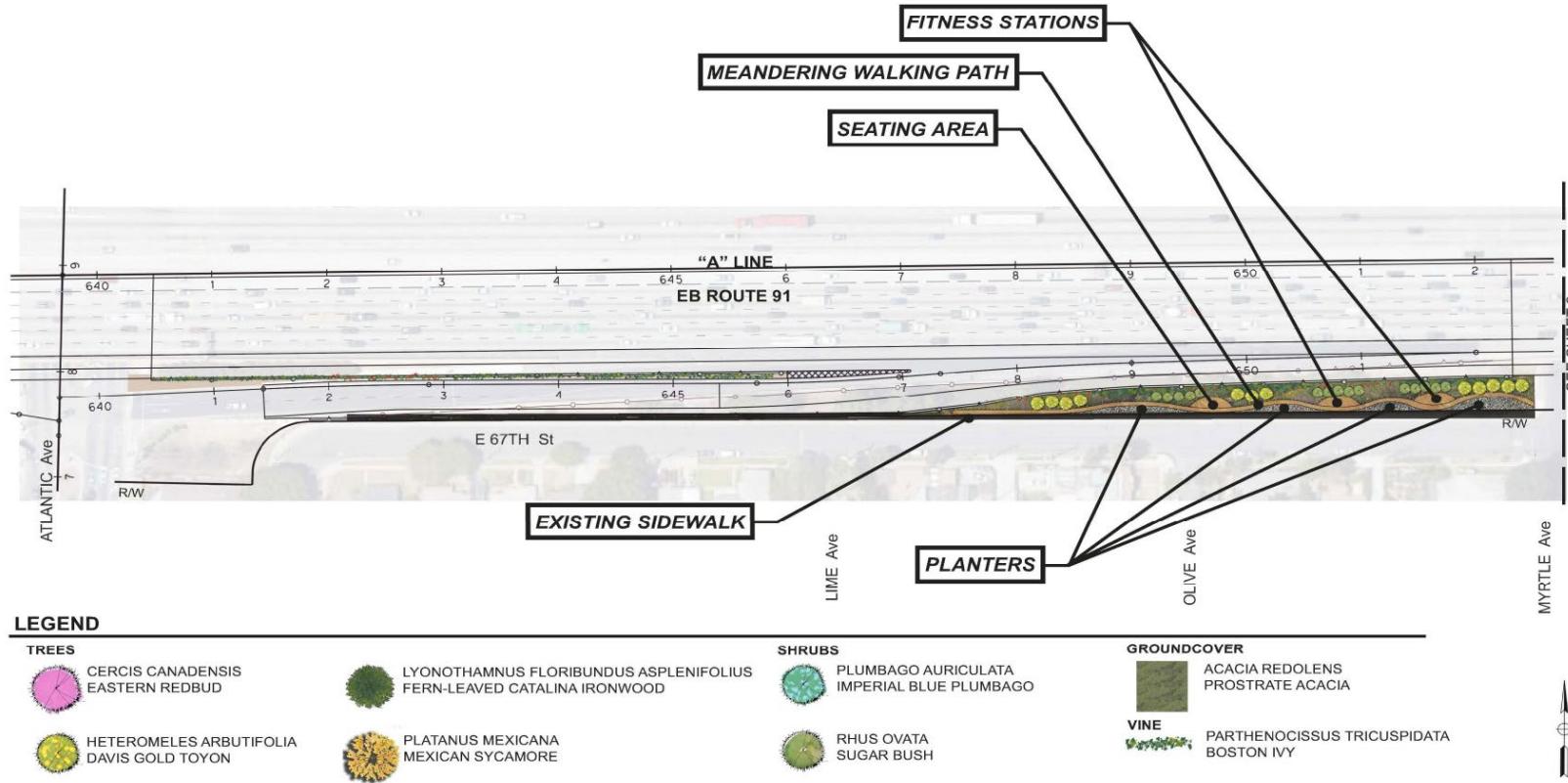
# Air Filtration/Tree Planting Coordination – Addressing Community Concerns

*SR-91 EB Improvements  
Atlantic to Cherry*

- > In response to feedback from local residents and Board Report Motion File #2022-0024 Directors Hahn, Mitchell, and Dutra:
  - Secured **\$1,000,000** in funding to install **air filtration** units for homes and businesses located within 750 feet of the SR-91 Atlantic to Cherry EB Aux Lane Project.
  - Additionally, **funding** was allocated for at least **a two-to-one replacement for all 174 trees** being removed, which would mean at least 348 replacement trees to be provided as part of the Project.
- > Metro staff coordinated the procurement and delivery of air filtration units, along with two replacement filters (per resident) to the City of Long Beach beginning in June 2024.
  - **Distribution efforts by the City have been ongoing** with a total of 584 units distributed to date. A total of 1,093 air filtration units will be procured and distributed as part of these efforts. The City hosted another distribution event on March 22<sup>nd</sup>.
- > Metro staff entered into a Funding Agreement (FA) with the City of Long Beach to fund the tree replacement as well as to provide air filtration outreach support costs for the City of Long Beach.
  - As of March 2024, all funds allocated for the tree replacement effort have been distributed to the City.

# Hamilton Loop Project – Landscape Concept

## *SR-91 EB Improvements Atlantic to Cherry*



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## LANDSCAPE CONCEPT

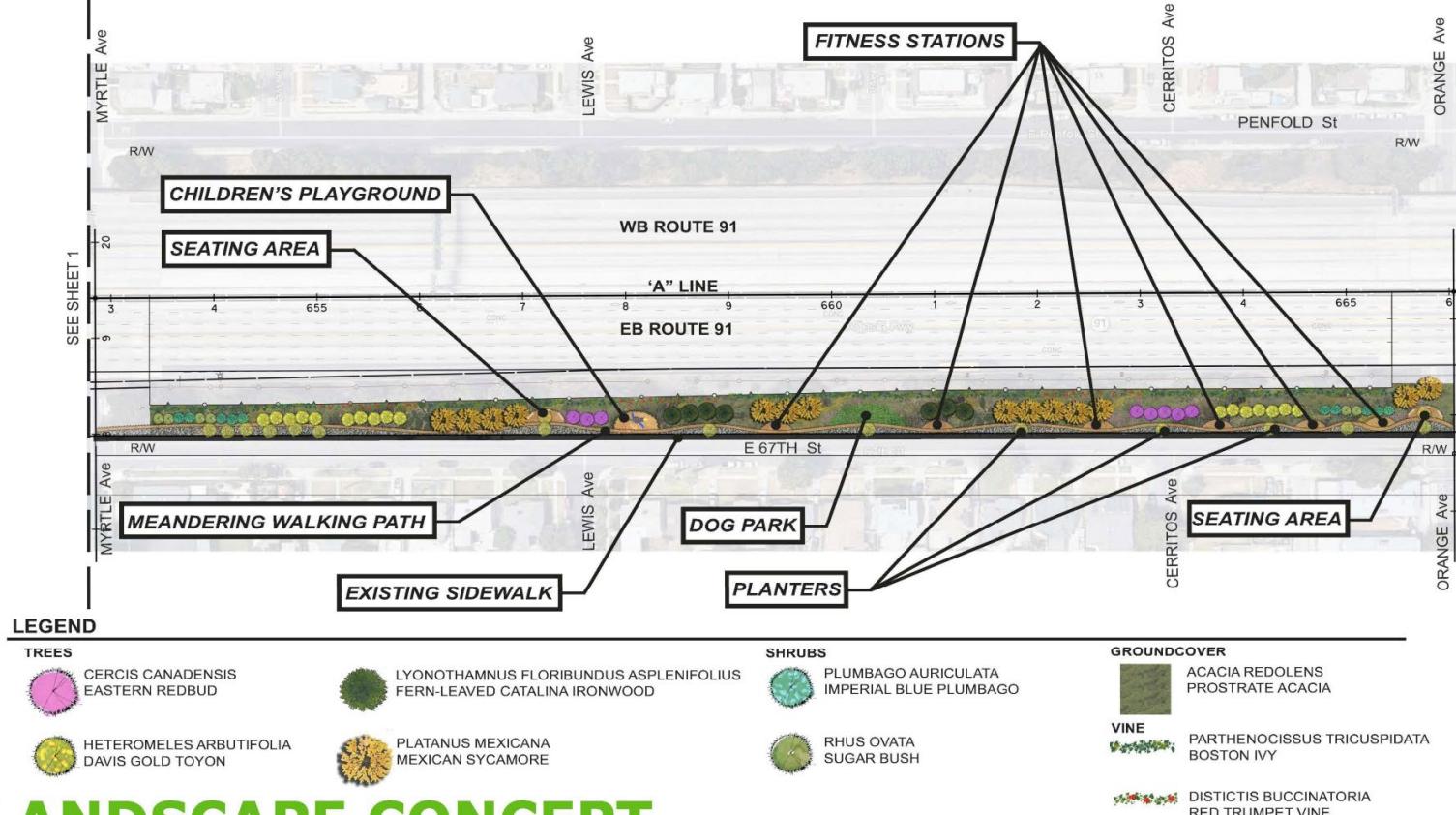
## **Eastbound SR-91 Atlantic Ave to Cherry Ave Auxiliary Lane Improvements Project**

Long Beach, CA



# Hamilton Loop Project – Landscape Concept

SR-91 EB Improvements  
Atlantic to Cherry



## LANDSCAPE CONCEPT

Eastbound SR-91 Atlantic Ave to Cherry Ave  
Auxiliary Lane Improvements Project

Long Beach, CA

