



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



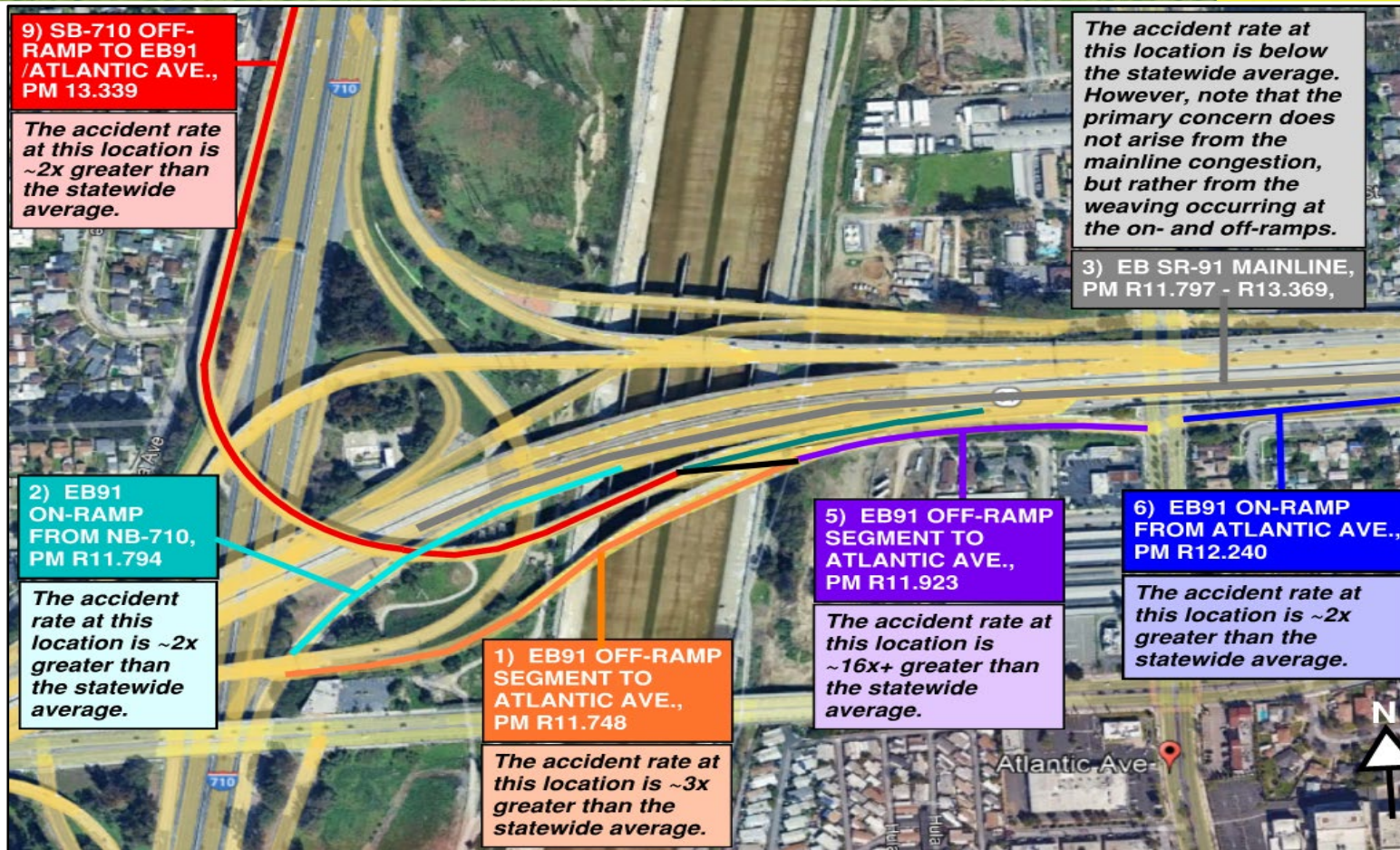
This Project is to Address Existing Safety Concerns

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)

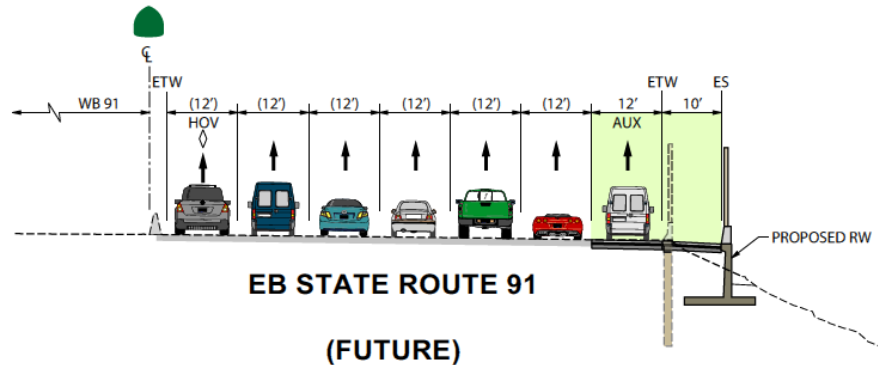
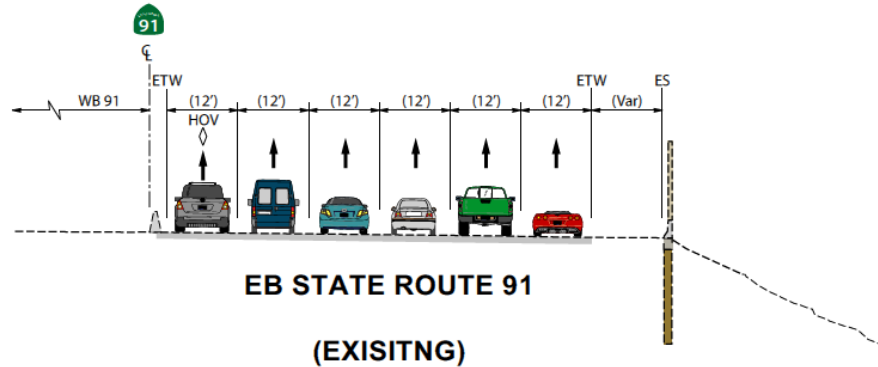
- > **Early planning & trust infrastructure:** Plain-language rollout plan, stakeholder mapping, and CBO onboarding led by The Edmond Group, with oversight from Metro.
- > **City alignment & issue response:** CD9/City weekly meetings, Good Neighbor Agreement, rapid response protocols during construction, 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

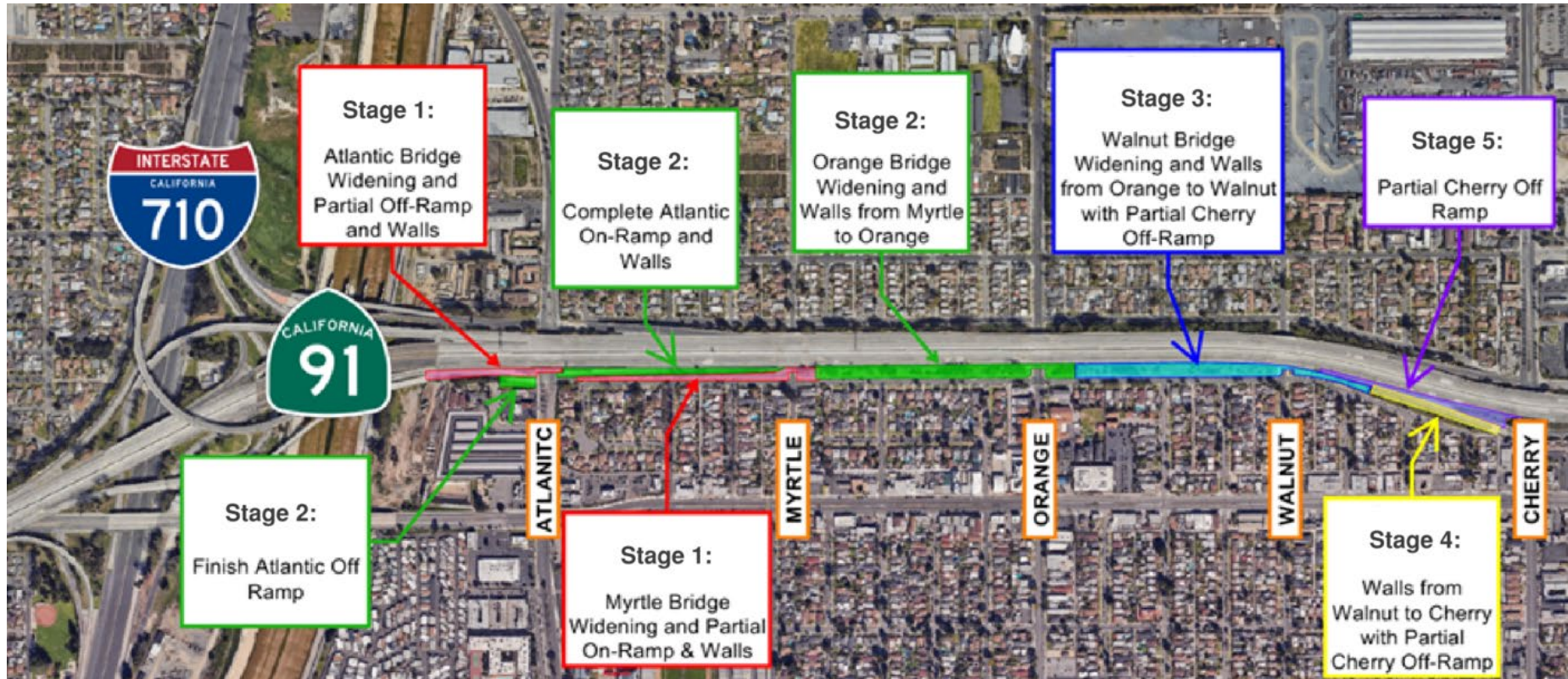
- > The project adds a 0.86-mile EB auxiliary lane between Atlantic Av and Cherry Av
- > There will not be any additional thru lanes
- > The shoulder will be standardized



Section east of Myrtle before the Cherry Off ramp

Project Staging

SR-91 EB Improvements
Atlantic to Cherry



SR-91 EB LOP/FUNDING (millions)

SR-91 EB Improvements
Atlantic to Cherry

SR-91 EB LOP	\$174 M
--------------	---------

Cost Spent to Date (Approximated)

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

Total Estimated Termination Costs	\$47.78 M
-----------------------------------	-----------

Grants/Funds to be Returned

TCEP Funds	\$48.3 M
STBG Funds	\$24.3 M

Total Grants/Funds to be Returned	\$72.6 M
-----------------------------------	----------

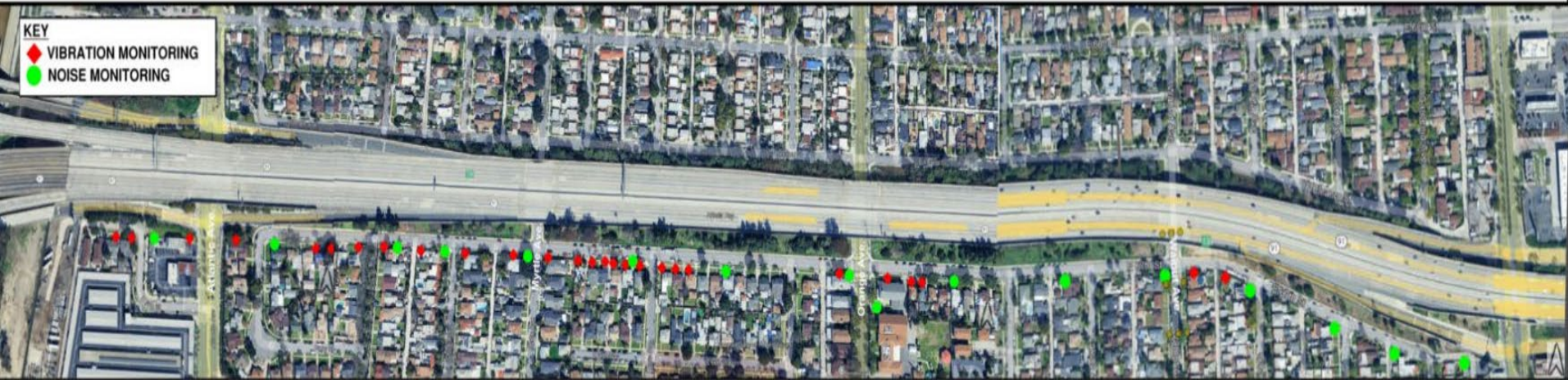
Funds Remaining and Returning to GCCOG/Measure R	\$ 53.62 M
--	------------



Noise & Vibration Monitoring Overview

SR-91 EB Improvements
Atlantic to Cherry

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



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

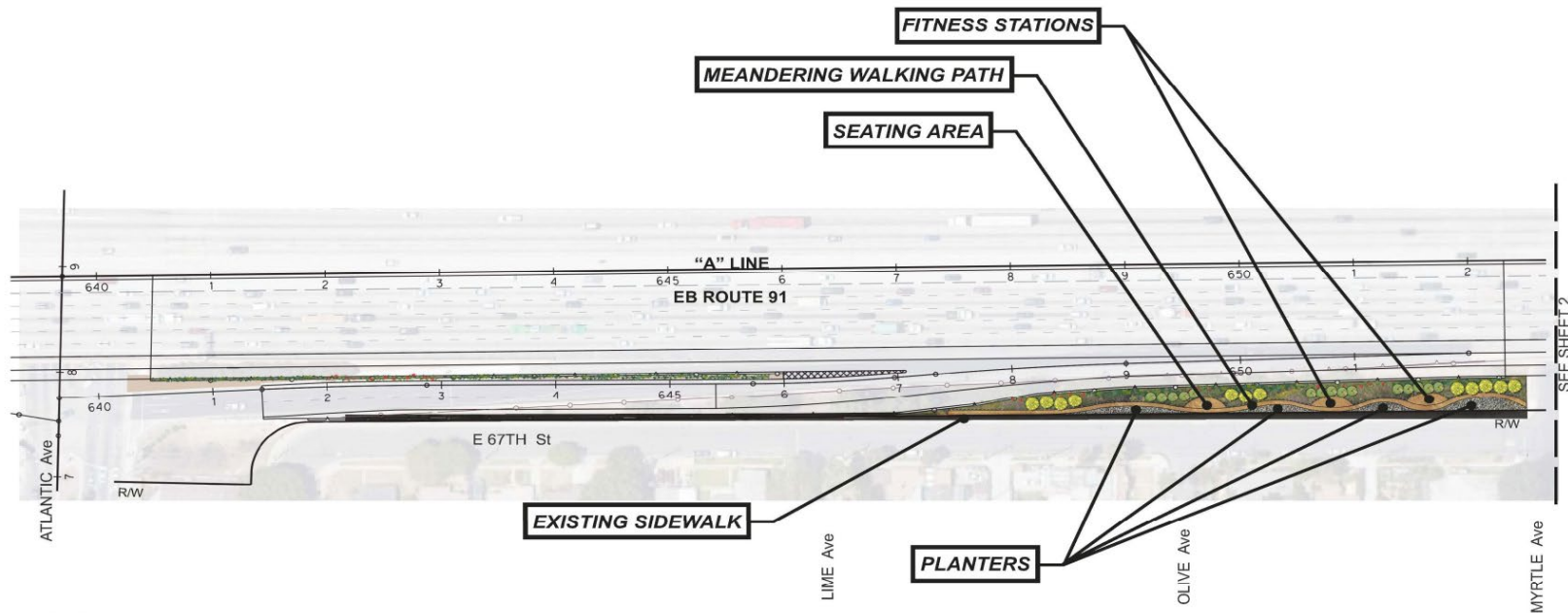
Air Filtration/Tree Planting Coordination – Addressing Community Concerns

*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 22nd.
- > 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



LEGEND

TREES



CERCIS CANADENSIS
EASTERN REDBUD



HETEROMELES ARBUTIFOLIA
DAVIS GOLD TOYON



LYONOTHAMNUS FLORIBUNDUS
FERN-LEAVED CATALINA IRONWOOD



PLATANUS MEXICANA
MEXICAN SYCAMORE

SHRUBS



PLUMBAGO AURICULATA
IMPERIAL BLUE PLUMBAGO



RHUS OVATA
SUGAR BUSH

GROUNDCOVER



ACACIA REDOLENS
PROSTRATE ACACIA



PARTHENOCISSUS TRICUSPIDATA
BOSTON IVY



DISTICTIS BUCCINATORIA
RED TRUMPET VINE

VINE



NOT TO SCALE



LANDSCAPE CONCEPT

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

Long Beach, CA



Metro

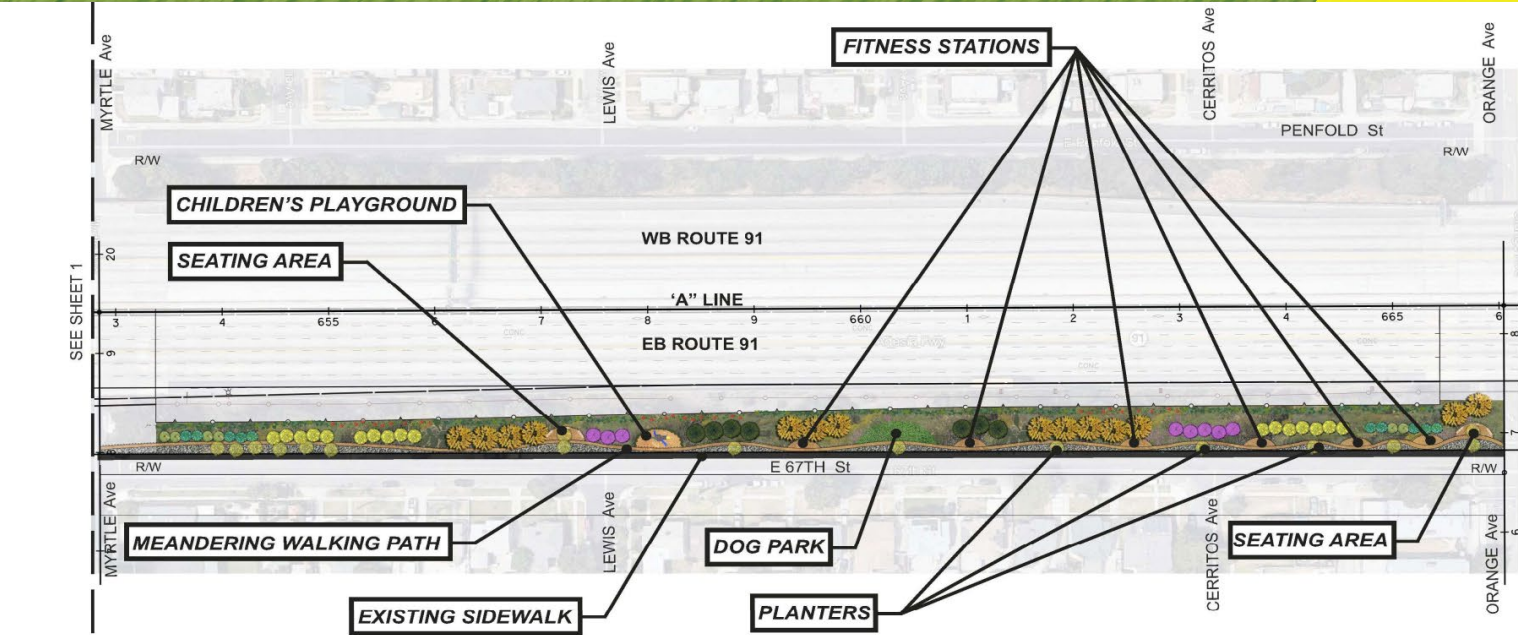


CTRC





Hamilton Loop Project – Landscape Concept



SR-91 EB Improvements
Atlantic to Cherry




LEGEND

TREES




-  CERCIS CANADENSIS
EASTERN REDBUD
-  HETEROMELES ARBUTIFOLIA
DAVIS GOLD TOYON

-  LYONOTHAMNUS FLORIBUNDUS ASPLENIFOLIUS
FERN-LEAVED CATALINA IRONWOOD
-  PLATANUS MEXICANA
MEXICAN SYCAMORE

SHRUBS

-  PLUMBAGO AURICULATA
IMPERIAL BLUE PLUMBAGO
-  RHUS OVATA
SUGAR BUSH

GROUNDCOVER

-  ACACIA REDOLENS
PROSTRATE ACACIA
-  VINE
PARTHENOCEISSUS TRICUSPIDATA
BOSTON IVY
-  DISTICTIS BUCCINATORIA
RED TRUMPET VINE

NOT TO SCALE



LANDSCAPE CONCEPT

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

Long Beach, CA



Metro



CTRC

