

Next stop: a better journey.

PURPLE (D LINE) EXTENSION TRANSIT PROJECT FIRST/LAST MILE PLAN
Section 1 – Executive Summary

DRAFT: subject to change



Metro

FALL 2021

Executive Summary

The First/Last Mile (FLM) Plan (Plan) for the Purple (D Line) Extension Transit Project – Section 1 (PLE 1) analyzed FLM connections for the rail project’s three stations by executing Metro’s FLM planning methodology. The Plan responds to FLM policy directives: Metro Board Motion 14.1 in May 2016 and 14.2 in June 2016.

Section 1 of the Purple (D Line) Extension Transit Project will extend the subway west, through the City of Los Angeles and into the City of Beverly Hills, with scheduled completion in 2023. The three stations in PLE 1 include:

- Wilshire/La Brea
- Wilshire/Fairfax
- Wilshire/La Cienega

Figure 1 shows all three sections of the Purple (D Line) Extension Transit Project.



Figure 1: Purple (D Line) Extension Transit Project

For each station, the Plan identifies pedestrian-focused and bicycle-focused (inclusive of scooters, etc.) projects that improve safety and access to the station along specified routes that collectively are called the “Pathway Network”. The projects are located within the ½-mile radius of the station, otherwise referred to as the “access shed” or “station area”; bicycle projects extend beyond this radius to connect to other existing or proposed facilities.

The core products of FLM planning include the following for each of the stations:

- I. Pathway Maps
- II. Project List
- III. Rough-Order-of-Magnitude (ROM) Cost Estimation

Core documents are accompanied by supporting documents that detail additional findings and information regarding process and methodology.

Executive Summary

Key Findings

The existing conditions at each station vary in terms of the built environment, existing traffic, land-uses, and populations served. At the same time, there is a physical continuity between the station areas as they share some overlapping areas within their access sheds. The following key findings were determined through the planning process:

➤ **Wilshire/La Cienega**

The station study area is located in both the City of Beverly Hills and the City of Los Angeles. The main arterials of Wilshire Boulevard and La Cienega Boulevard would benefit from the full suite of FLM improvements to provide safe, direct access to the future station entrance. These streets support mostly commercial activity and are surrounded by other more residential streets. For these streets, the Plan aligns and coordinates with elements found in the City of Beverly Hills' *Connect Beverly Hills* streetscape project. Another major street – San Vicente Boulevard – does not connect directly to the future station but is notable as the boundary between the two cities and for its high volume of vehicular traffic. Improved bicycle facilities on this corridor will help bicyclists connect safely to the station.

➤ **Wilshire/Fairfax**

The future station will be located at a busy juncture, connecting visitors and residents to popular regional destinations such as Los Angeles County Museum of Art (LACMA), the La Brea Tar Pits, and the Original Farmers Market and the Grove to the north, and Little Ethiopia to the south. Pedestrian amenities along the arterials of Wilshire Avenue and Fairfax Avenue will help people safely access these destinations. The Plan supports the City of Los Angeles' proposed bike lane on Fairfax Avenue and seeks to provide east-west connectivity through bike facilities along 6th street and 8th St/Del Valle Dr.

➤ **Wilshire/La Brea**

The main arterials of Wilshire Boulevard and La Brea Avenue support commercial activity and are surrounded by predominantly residential streets. Enhanced sidewalks and crosswalks, among other FLM improvements, would improve the experience of future pedestrians getting to and from the station. The Plan supports the City of Los Angeles' proposed bike lane on La Brea Avenue along with bike boulevards that provide alternative routes on parallel streets. Bicyclists can take these north-south routes to connect to existing facilities on 4th Street and proposed facilities on 8th St.

Executive Summary

First/Last Mile Process

The FLM methodology is documented in Metro’s *First Last Mile Strategic Plan (2014)* and completed FLM plans (<https://www.metro.net/project/first-last>). A brief summary of the steps and timeline specific to the PLE 1 FLM Plan is presented in *Figure 2*.

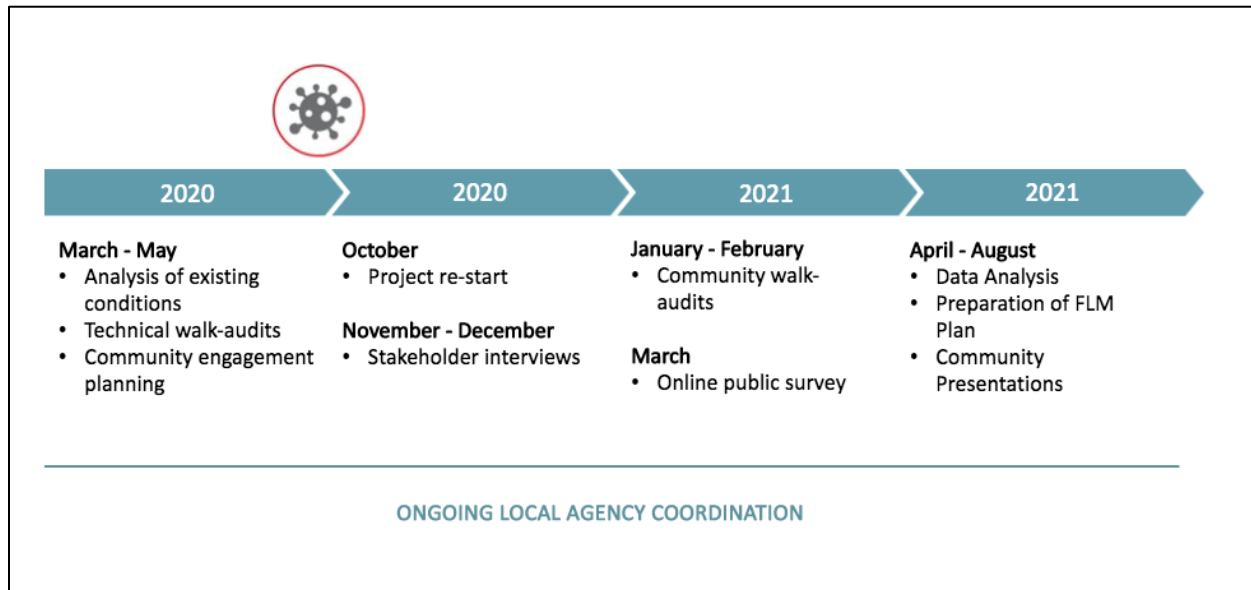


Figure 2: Summary of Planning Process and Timeline

The planning process for Section 1 took place during the COVID-19 pandemic, resulting in a pause of activities for several months, and changes related to community engagement and outreach. To accommodate safety mandates and protocol, these activities ensured social distancing and provided an option for online participation.

Throughout the process, the planning team worked with the community-based organization *Los Angeles Walks* and coordinated with staff and elected offices from the City of Los Angeles and the City of Beverly Hills.

Executive Summary

What's in the Plan

The Plan is composed of the following core and supporting documents.

➤ Core Documents:

- I. **Pathway Maps:** A Pathway Map displays the Pathway Network, which consists of key corridors, and the project ideas along them, that will help create safe and comfortable connections to the station. For each of the three stations in PLE 1, two pathway maps were created – one for pedestrian projects and one for bicycle projects.
- II. **Project List:** This document presents project ideas that correspond to those in the Pathway Maps. They are organized in the following order: FLM Pathway arterials (primary routes), FLM Pathway collectors (secondary routes), and FLM Pathway cut-throughs (shortcuts). The lists also separate project ideas as those running along a corridor and those at unique points (spot improvements).
- III. **Rough-Order-of-Magnitude (ROM) Cost Estimation:** This document presents Rough Order of Magnitude (ROM) cost estimates. Each station has a summary of total costs that are disaggregated into construction costs, soft costs, contingency, and escalation. Each station also has the cost estimates disaggregated by segment of the Pathway Network.

➤ Supporting Documents:

- IV. **Existing Conditions:** This document serves as an initial station analysis that includes research on existing conditions and local plans and projects. The research covers characteristics identified in Metro's *First Last Mile Strategic Plan & Planning Guidelines*: street grid, pedestrian shed, vehicular speeds, key access corridors, bicycle and pedestrian collisions, pedestrian facilities, bicycle connections, transit connections, land use, and points of interest. Early opportunities and constraints are identified in this document.
- V. **Community Engagement & Local Coordination:** This document provides information on the different activities conducted to procure community input and feedback for the planning process. Activities include stakeholder interviews, walk-audits, roundtable discussions, and surveys. It also provides information on meetings with local agencies and offices.
- VI. **Walk Audit Summary:** This document summarizes data from walk audits conducted by both community members and technical teams. Observations made by auditors as they walk along station area streets are mapped, aggregated, and analyzed to help inform the types of FLM improvements needed.
- VII. **Project Origins:** This document provides a high-level overview of how FLM Plan improvement ideas were sourced. For each station area and each Pathway Network segment, the document explains whether the origin was from technical or community walk-audits, stakeholder interviews, community roundtables, and/or the map-based survey. Some projects may have also been derived from separate technical team analysis.
- VIII. **Cost Assumptions:** This document summarizes the project elements and unit cost assumptions used in the development of conceptual-level cost estimates. It is divided into pedestrian and bicycle improvements.

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PURPLE (D LINE) EXTENSION TRANSIT PROJECT FIRST/LAST MILE PLAN
Section 1 – Pathway Maps

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First/Last Mile Toolkit


Proposed Improvements for Pedestrians

Images are for illustrative purposes only.




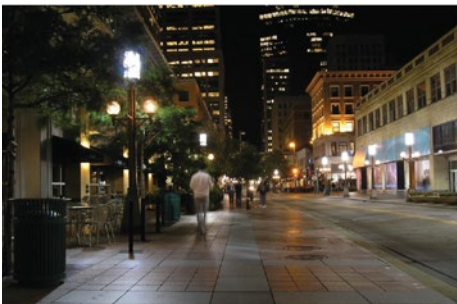
 **Bus Stop Improvements**
Enhanced shelter, bench, real-time signage, and other amenities




 **Landscaping & Shade**
Understory planting and street trees




 **New or Improved Crosswalks**
New or upgraded crosswalks e.g. continental crosswalks




 **Pedestrian Lighting**
Human-scaled lighting for comfort and safety




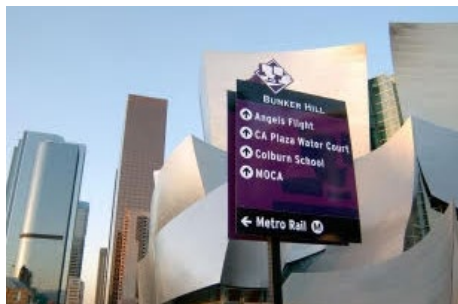
 **Sidewalk/Curb-Extensions**
New sidewalks, widening, sidewalk extensions at corners, or upgrades to existing sidewalks




 **Street Furniture**
Public benches, trash receptacles, and other sidewalk amenities



 **Traffic Calming**
Measures to reduce traffic speeds, including speed humps, chokers, and other treatments



 **Wayfinding Signs**
Signs that point to local destinations

First/Last Mile Toolkit

Proposed Improvements for Bicyclists

Images are for illustrative purposes only.



Photo Credit: Joe Linton



Sharrow

Street with lower vehicular speeds and traffic volumes, which are designed for shared use with cyclists via "sharrow" markings



Bicycle Boulevard

Street with lower vehicular speeds and traffic volumes, which are specially enhanced for cyclists through landscaping, lighting, signage, and other improvements



Bicycle Lane

On-street bicycle facility identified with striping



Protected Bicycle Lane

On-street bicycle facility that is physically separated from vehicular traffic



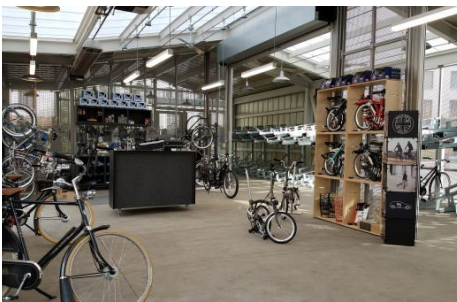
Shared Use Path (off-street)

Off-street, paved pathway used by cyclists and pedestrians



Bicycle Friendly Intersection

Intersection improvements that enhance bicycle movement and safety



Mobility Hub

Enhanced amenities for cyclists and micro-mobility users, such as secure bike parking, repair stations, rideshare, pick up and drop off, wayfinding, and real-time transit information.

Wilshire/La Cienega Station

Overview

The Wilshire/La Cienega Station study area is located within both the City of Beverly Hills and the City of Los Angeles. The station will serve dense commercial areas along Wilshire Blvd and La Cienega Blvd, as well as adjacent residential neighborhoods.

The main arterials of Wilshire Blvd and La Cienega Blvd would benefit from the full suite of first/last mile improvements, to provide comfortable, and safe direct pedestrian access to the station. These streets are wide commercial corridors with wide sidewalks that could accommodate new trees, pedestrian lighting, street furniture, wayfinding, enhanced crosswalks, sidewalk/curb extensions, and bus stop improvements. Wilshire Blvd is a bus priority corridor for Metro and recommended improvements will be coordinated with bus operations. Proposed improvements on Wilshire Blvd and La Cienega Blvd will support one of the possible “Expanded” options from the City of Beverly Hills’ Connect Beverly Hills streetscape project, for the length of the corridor.

Community members emphasized the need for pedestrian improvements along San Vicente Blvd. San Vicente Blvd is a wide street, including six lanes and a landscaped median. The street runs diagonally across the eastern half of the station area and poses an access barrier. To enhance access, safety, and comfort, pedestrian and bike improvements are recommended along San Vicente Blvd, including enhanced crosswalks, bus stop improvements, lighting, wayfinding, bike friendly intersections, and

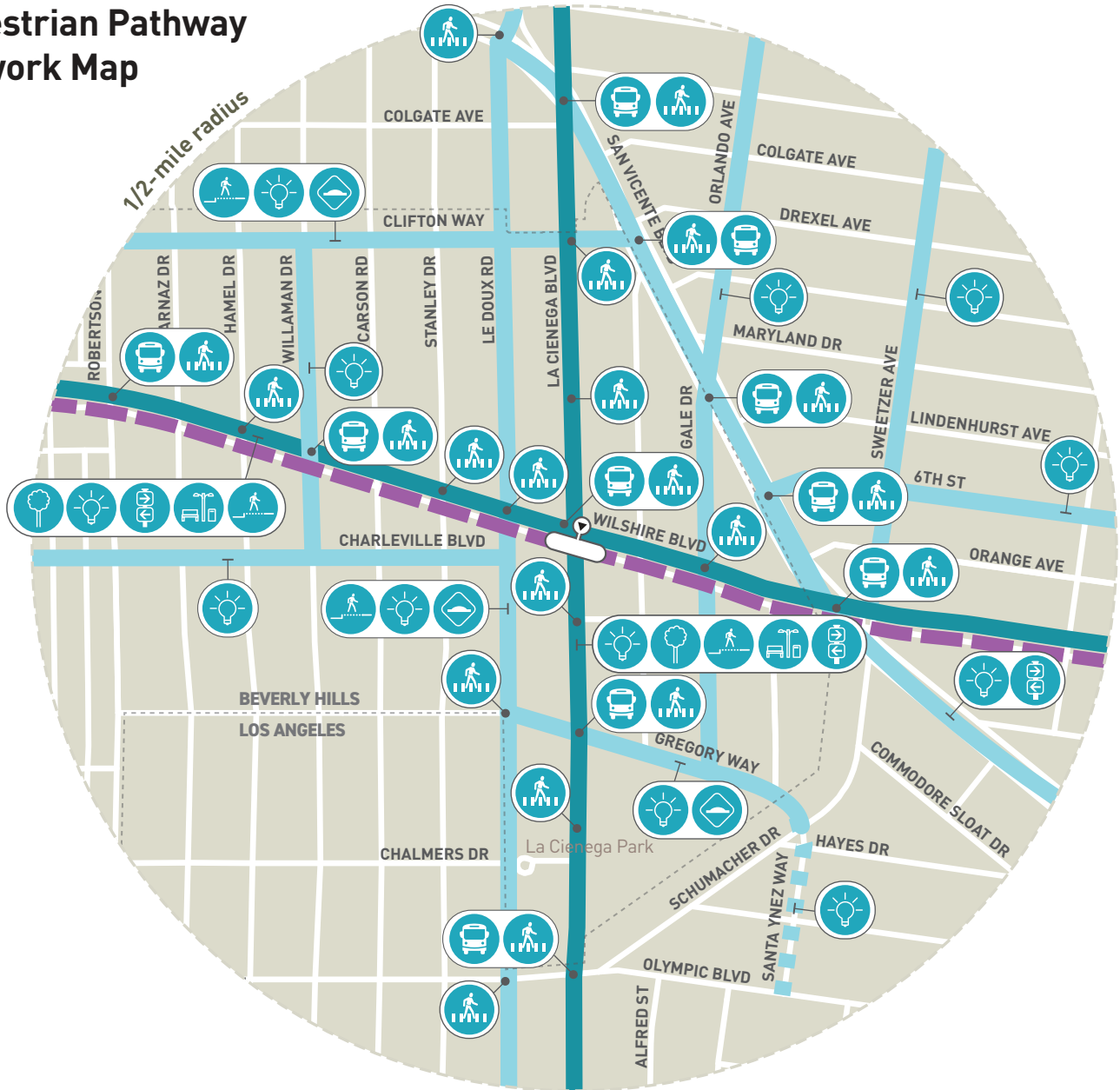
enhanced bike facilities. San Vicente Blvd acts as the dividing line between the City of Beverly Hills and the City of Los Angeles. Beverly Hills proposes a bicycle lane along the western side of the street, while Los Angeles proposes a protected bicycle facility. LA Metro recommends a protected bicycle lane along San Vicente Blvd to protect riders from high speed and high volume vehicular traffic.

Clifton Way, Charleville Blvd, Gregory Way, 6th St, Willaman Dr, Le Doux Rd, Orlando Ave/Gale Dr, and Sweetzer Ave are identified as first/last mile collector pathways. These streets connect residential areas to the first/last mile arterials. Recommendations on collector streets include pedestrian lighting, sidewalk/curb extensions, and enhanced crosswalks.




Due to high traffic volumes and uncomfortable conditions for people riding bikes on Wilshire Blvd and La Cienega Blvd, alternative adjacent streets are recommended for bicycle access, including Le Doux Rd, Charleville Blvd, and Clifton Way. When possible, bike boulevards should include traffic calming measures such as speed humps or mini-roundabouts. Traffic calming improvements are proposed on Clifton Way and Le Doux Rd to make the experience more comfortable for people riding bikes. The first/last mile bike network supports the City of LA’s proposed protected bicycle lane on San Vicente and the City of Beverly Hills’ proposed protected bike lanes on Charleville Blvd and Gregory Way as a potential one way couplet.

Wilshire/La Cienega Station




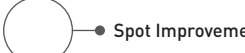
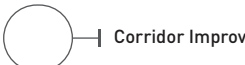
Pedestrian Pathway Network Map



Legend

-  Metro Station + Entrance (under construction)
-  Purple (D Line) Extension Transit Project (under construction)
-  City Boundary

Pedestrian Pathway Network

-  FLM Pathway Arterial (Primary Route)
-  FLM Pathway Collector (Secondary Route)
-  FLM Pathway Cut-Through (Public Shortcut)
-  Spot Improvements
-  Corridor Improvements

Proposed Improvements

-  Bus Stop Enhancements
-  Landscaping and Shade
-  New or Improved Crosswalks
-  Pedestrian Lighting
-  Sidewalk/Curb Extensions
-  Street Furniture
-  Traffic Calming
-  Wayfinding Signs*

*This plan identifies key corridors that would benefit from wayfinding signs. A comprehensive wayfinding plan is recommended for the full station area.

Wilshire/La Cienega Station

Bicycle Pathway Network Map



Legend	Existing Bicycle Facilities	City/County Plan Proposed Facilities	First/Last Mile Proposed Facilities
Metro Station + Entrance (under construction)	Sharrow	Sharrow	Sharrow
Purple (D Line) Extension Transit Project (under construction)	Bicycle Boulevard	Bicycle Boulevard	Bicycle Boulevard
City Boundary	Bicycle Lane	Bicycle Lane	Bicycle Lane
	Protected Bicycle Lane	Protected Bicycle Lane	Protected Bicycle Lane
	Shared Use Path (off-street)	Shared Use Path (off-street)	Shared Use Path (off-street)
	Bicycle Friendly Intersection	Bicycle Friendly Intersection	Bicycle Friendly Intersection
	Mobility Hub	Mobility Hub	Mobility Hub

Wilshire/Fairfax Station

Overview

The Wilshire/Fairfax station will be located at the intersection of Ogden Dr and Wilshire Blvd and will serve regional destinations such as LACMA, the La Brea Tar Pits, and the Petersen Automotive Museum. Park La Brea is a high density apartment complex located in the northeast quadrant of the station area. The Farmers Market and the Grove are located north of the station area. Little Ethiopia is located on Fairfax Ave south of Olympic Blvd.

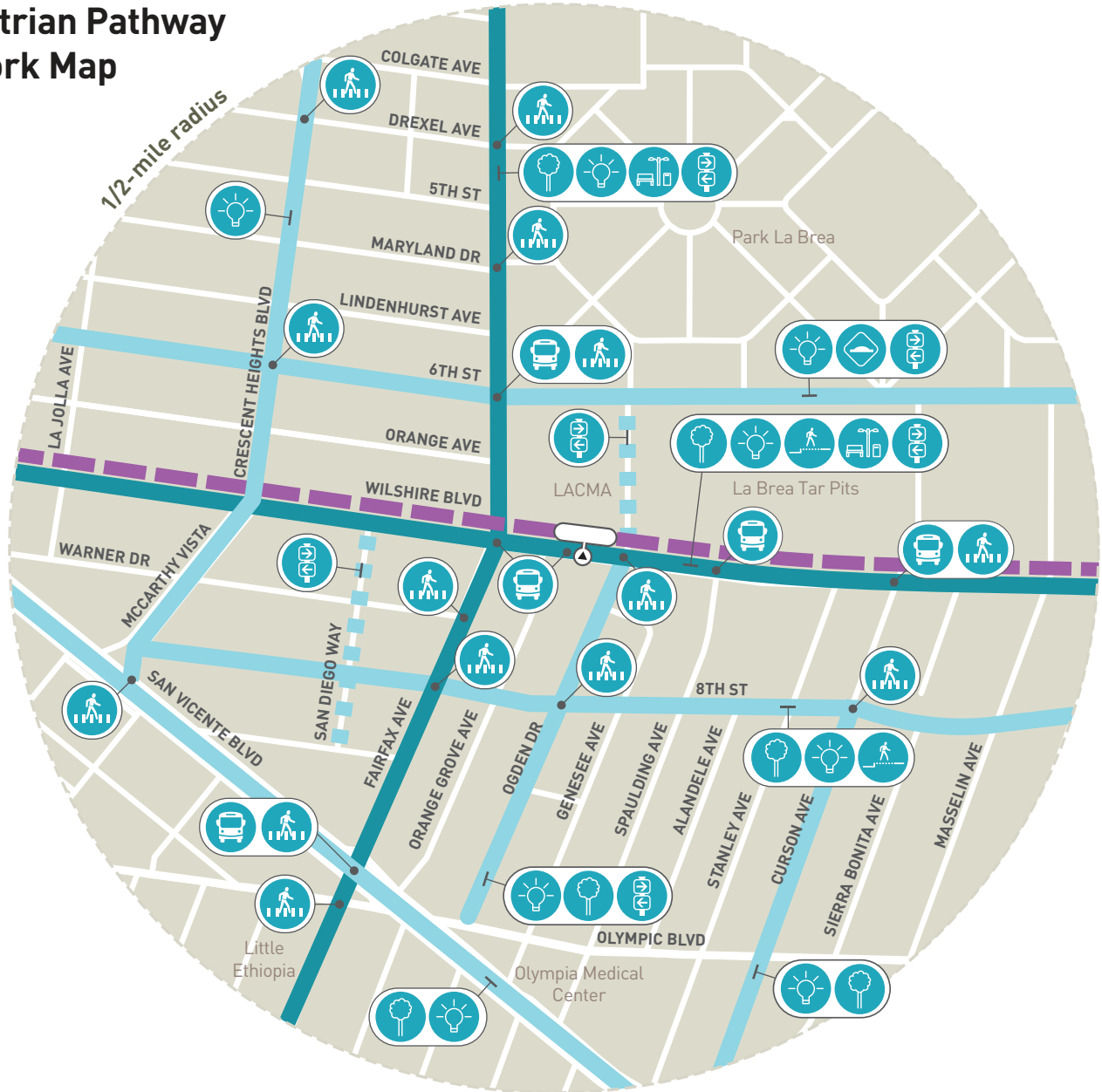
Pedestrian amenities should be focused on Fairfax Ave and Wilshire Blvd to enhance the experience for those walking to and from these destinations. Proposed improvements include street trees, lighting, and street furniture, and wayfinding. Bus stop enhancements and enhanced sidewalks are also proposed on Wilshire Blvd. Wilshire Blvd is a bus priority corridor for Metro and recommended improvements will be coordinated so as not to impede bus operations.

Proposed first/last mile collectors mainly serve residential uses in the station area, including Crescent Heights Blvd, McCarthay Vista, Ogden Dr, Curson Ave, 6th St, 8th St/Del Valle Dr, and San Vicente Blvd. Improvements on these streets include street trees, lighting, and enhanced crosswalks. San Diego Way, and the walkway at LACMA between 6th St and Wilshire Blvd are identified as cut-through pathways. Wayfinding is proposed on these cut-throughs to help direct pedestrians to and from the station.



As an alternative to Wilshire Blvd, bike facilities are proposed along 6th St and 8th St/Del Valle Dr. These streets offer lower vehicular traffic volumes and a more comfortable experience for people riding bikes, as compared to Wilshire Blvd. Traffic calming is proposed on 6th St to further enhance the comfort for bicyclists. The first/last mile bike network supports the City of LA proposed bicycle lane on Fairfax Ave and the protected bike lane on San Vicente Blvd.

Wilshire/Fairfax Station

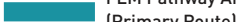




Pedestrian Pathway Network Map



Legend

-  Metro Station + Entrance (under construction)
-  Purple (D Line) Extension Transit Project (under construction)

Pedestrian Pathway Network

-  FLM Pathway Arterial (Primary Route)
-  FLM Pathway Collector (Secondary Route)
-  FLM Pathway Cut-Through (Public Shortcut)
-  Spot Improvements
-  Corridor Improvements

Proposed Improvements

-  Bus Stop Enhancements
-  Landscaping and Shade
-  New or Improved Crosswalks
-  Pedestrian Lighting
-  Sidewalk/Curb Extensions
-  Street Furniture
-  Traffic Calming
-  Wayfinding Signs*

*This plan identifies key corridors that would benefit from wayfinding signs. A comprehensive wayfinding plan is recommended for the full station area.

Wilshire/Fairfax Station

Bicycle Pathway Network Map



Legend	Existing Bicycle Facilities	City/County Plan Proposed Facilities	First/Last Mile Proposed Facilities
Metro Station + Entrance (under construction)	Sharrow	Sharrow	Sharrow
Purple (D Line) Extension Transit Project (under construction)	Bicycle Boulevard	Bicycle Boulevard	Bicycle Boulevard
	Bicycle Lane	Bicycle Lane	Bicycle Lane
	Protected Bicycle Lane	Protected Bicycle Lane	Protected Bicycle Lane
	Shared Use Path (off-street)	Shared Use Path (off-street)	Shared Use Path (off-street)
	Bicycle Friendly Intersection		Bicycle Friendly Intersection
	Mobility Hub		Mobility Hub

Wilshire/La Brea Station

Overview

The Wilshire/La Brea Station is located at the intersection of Wilshire Blvd and La Brea Ave and will connect transit users to commercial areas along these streets, as well as adjacent residential neighborhoods.

Pedestrian improvements are focused along first/last mile arterials Wilshire Blvd and La Brea Ave. Wilshire Blvd is a major vehicular thoroughfare and bus priority corridor. Landscaping and shade, lighting, enhanced sidewalks, street furniture, and enhanced crossings would improve the experience for people walking along Wilshire Blvd. Recommendations on Wilshire Blvd will be coordinated so as to not impede bus operations. La Brea Blvd has wide sidewalks and would benefit from street trees, lighting, and bus stop enhancements along its length. Wayfinding is also recommended on these streets to help orient people walking to and from the Wilshire/La Brea station.
















Collector streets provide connections to destinations such as Park La Brea, Mansfield Ave Park, and Wilshire Crest Elementary School. Recommended pedestrian amenities that will improve the experience for people walking along these streets include landscaping and shade, lighting, improved sidewalks/curb extensions, traffic calming, and enhanced crosswalks.

The first/last mile bike network supports the City of LA proposed bike lane on La Brea Ave. Cochran Ave and Mansfield Ave are recommended as bike boulevards that provide alternative bike routes to La Brea Ave. 8th St is recommended as a bike boulevard south of Wilshire Blvd. A bicycle facility is proposed along 6th St, ending at La Brea Ave. Bicycle riders will be able to jog north/south along La Brea Blvd to connect to the City of Los Angeles' 4th St bike facility, creating a continuous east/west connection for bicyclists.

Wilshire/La Brea Station

Pedestrian Pathway Network Map



<p>Legend</p> <ul style="list-style-type: none">  Metro Station + Entrance (under construction)  Purple (D Line) Extension Transit Project (under construction) 	<p>Pedestrian Pathway Network</p> <ul style="list-style-type: none">  FLM Pathway Arterial (Primary Route)  FLM Pathway Collector (Secondary Route)  FLM Pathway Cut-Through (Public Shortcut)  Spot Improvements  Corridor Improvements 	<p>Proposed Improvements</p> <ul style="list-style-type: none">  Bus Stop Enhancements  Landscaping and Shade  New or Improved Crosswalks  Pedestrian Lighting  Sidewalk/Curb Extensions  Street Furniture  Traffic Calming  Wayfinding Signs*
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*This plan identifies key corridors that would benefit from wayfinding signs. A comprehensive wayfinding plan is recommended for the full station area.

Wilshire/La Brea Station

Bicycle Pathway Network Map







Legend	Existing Bicycle Facilities	City/County Plan Proposed Facilities	First/Last Mile Proposed Facilities
Metro Station + Entrance (under construction)	Sharrow	Sharrow	Sharrow
Purple (D Line) Extension Transit Project (under construction)	Bicycle Boulevard	Bicycle Boulevard	Bicycle Boulevard
	Bicycle Lane	Bicycle Lane	Bicycle Lane
	Protected Bicycle Lane	Protected Bicycle Lane	Protected Bicycle Lane
	Shared Use Path (off-street)	Shared Use Path (off-street)	Shared Use Path (off-street)
	Bicycle Friendly Intersection		Bicycle Friendly Intersection
	Mobility Hub		Mobility Hub






Three-Mile Bicycle Network








Purple (D Line) Extension

-  Metro Station (under construction)
-  Purple (D Line) Extension Transit Project (under construction)
-  1/2 mile radius
-  Existing Metro Rail Lines






Existing Bicycle Facilities

-  Sharrow
-  Bicycle Boulevard
-  Bicycle Lane
-  Protected Bicycle Lane
-  Shared Use Path (off-street)

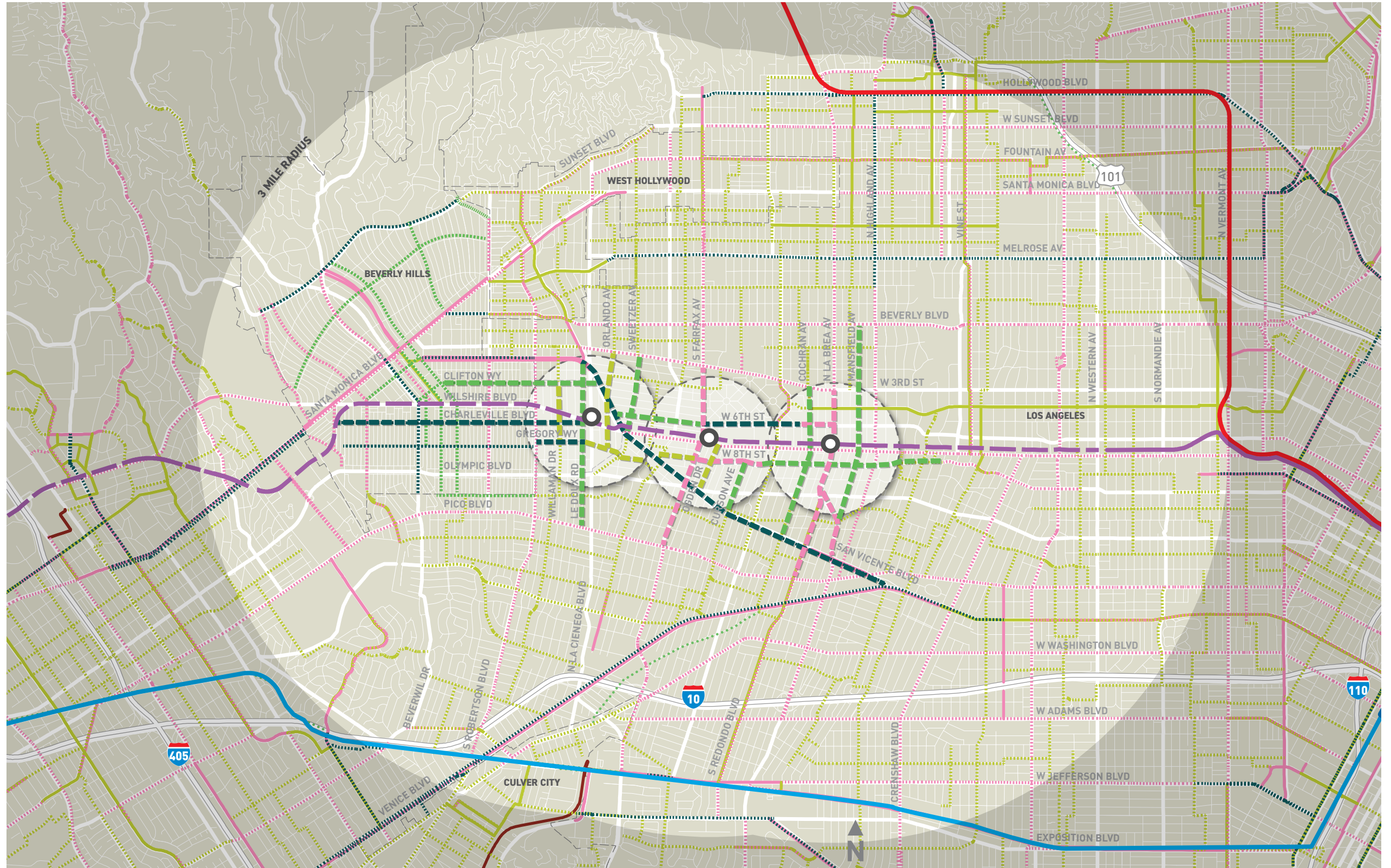
City/County Plan Proposed Bicycle Facilities

-  Sharrow
-  Bicycle Boulevard
-  Bicycle Lane
-  Protected Bicycle Lane
-  Shared Use Path (off-street)

First/Last Mile Proposed Bicycle Facilities

-  Sharrow
-  Bicycle Boulevard
-  Bicycle Lane
-  Protected Bicycle Lane
-  Shared Use Path (off-street)

*Existing and City/County Plan proposed bicycle facilities are not shown within 1/2 mile radius of stations where first/last mile bicycle facilities are proposed. Refer to station specific Bicycle Pathway Network Maps for details.



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PURPLE (D LINE) EXTENSION TRANSIT PROJECT FIRST/LAST MILE PLAN
Section 1 – Project List

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PROJECT LIST

WILSHIRE/LA CIENEGA STATION

Project	Description	Extents	Jurisdiction	Proposed Corridor Improvements	Proposed Spot Improvements	Proposed Project Justification
Wilshire Blvd	Arterial	Robertson Blvd to La Jolla Ave	City of LA, City of Beverly Hills	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, street furniture, wayfinding signs	New or improved crosswalks, bus stop enhancements, bike friendly intersections, mobility hub	Wilshire Blvd provides connections to the Wilshire/La Cienega station, bus stops, restaurants, hotels, and Saban Theatre. The existing conditions analysis identified 19 pedestrian and bicycle involved collisions on Wilshire Blvd. Community members mentioned the street 100 times during engagement activities throughout the planning process. In addition, selecting Wilshire Blvd and the proposed pathway improvements will support one of the possible “Expanded” options from the City of Beverly Hills’ streetscape project, for the length of the corridor.
La Cienega Blvd	Arterial	3rd St to Pico Blvd	City of LA, City of Beverly Hills	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, street furniture, wayfinding signs	New or improved crosswalks, bus stop enhancements, bike friendly intersections	La Cienega Blvd provides connections to the Wilshire/La Cienega station, bus stops, La Cienega Park, Restaurant Row, and hotels. The existing conditions analysis identified 21 pedestrian and bicycle involved collisions on La Cienega Blvd. New or improved crosswalks were identified by community members as the most needed improvement on this street. La Cienega Ave came up 105 times during community engagement activities.
Clifton Way	Collector	Robertson Blvd to San Vicente Blvd (Ped); Rexford Dr to San Vicente Blvd (Bike)	City of Beverly Hills	Sidewalk/curb extensions, pedestrian lighting, traffic calming, bicycle boulevard	New or improved crosswalks, bike friendly intersections	Clifton Way provides an east-west route for people walking and biking north of Wilshire Blvd. The existing conditions analysis identified 4 pedestrian and bicycle involved collisions on Clifton Way. Clifton Way came up 16 times during community engagement activities. The first/last mile bicycle boulevard aligns with the City of LA’s Mobility Plan and City of Beverly Hills’ Complete Streets Plan proposed bike network.
Charleville Blvd	Collector	Swall Dr to Le Doux Rd (Ped); Lasky Dr to Le Doux Rd (Bike)	City of Beverly Hills	Pedestrian lighting, protected bicycle lane	Bike friendly intersections	Charleville Blvd provides an east-west route for people walking and biking south of Wilshire Blvd. The street provides connections to Horace Mann Elementary School. The existing conditions analysis identified 1 pedestrian and bicycle involved collision on this street. Charleville Blvd came up 1 time during community engagement activities. The first/last mile protected bike lane aligns with the City of LA’s Mobility Plan and City of Beverly Hills’ Complete Streets Plan proposed bike network.
Gregory Way	Collector	Le Doux Rd to Schumacher Dr (Ped); Robertson to Schumacher Dr (Bike)	City of LA, City of Beverly Hills	Pedestrian lighting, traffic calming, protected bicycle lane, sharrow	New or improved crosswalks, bus stop enhancements, bike friendly intersections	Gregory Way provides an east-west route for people walking and biking south of Wilshire Blvd and connections to La Cienega Park. The existing conditions analysis identified 11 pedestrian and bicycle involved collisions on this street. Gregory Way came up 9 times during community engagement activities. The first/last mile bike lane aligns with the City of LA’s Mobility Plan and City of Beverly Hills’ Complete Streets Plan proposed bike network.
6th St	Collector	San Vicente Blvd to La Jolla Ave	City of LA	Pedestrian lighting, bicycle boulevard	New or improved crosswalks, bus stop enhancements, bike friendly intersections	6th St provides an east-west route for people walking and biking east of San Vicente Blvd. 6th St came up 7 times during community engagement activities. The first/last mile bike lane aligns with the City of LA’s Mobility Plan proposed bike network.
Willaman Dr	Collector	Clifton Way to Charleville Blvd (Ped); Clifton Way to Gregory Way (Bike)	City of Beverly Hills	Pedestrian lighting, sharrow	New or improved crosswalks, bike friendly intersections	Willaman Dr serves as a north-route for residential areas west of La Cienega Blvd. The existing conditions analysis identified 1 bicycle involved collision on this street. Willaman Dr came up 9 time during community engagement activities. The first/last mile sharrow closes the gap in the City of LA’s Mobility Plan proposed bike network between Clifton Way and Gregory Way, within the City of Beverly Hills.

(continued on the next page)

PROJECT LIST

WILSHIRE/LA CIENEGA STATION (CONTINUED)

Project	Description	Extents	Jurisdiction	Proposed Corridor Improvements	Proposed Spot Improvements	Proposed Project Justification
Le Doux Rd	Collector	Burton Way to Whitworth Dr (Ped); Burton Way to Pico Blvd (Bike)	City of LA, City of Beverly Hills	Sidewalk/curb extensions, pedestrian lighting, traffic calming, bicycle boulevard	New or improved crosswalks, bike friendly intersections	Le Doux Rd provides connections to La Cienega Park and an alternative north-south route, west of La Cienega Blvd. The existing conditions analysis identified 7 pedestrian and bicycle involved collisions on Le Doux Rd. Le Doux Rd came up 17 times during community engagement activities. The first/last mile bicycle boulevard extends the City of Beverly Hills proposed bicycle boulevard through the station area.
San Vicente Blvd	Collector	Burton Way to La Jolla Ave	City of LA, City of Beverly Hills	Pedestrian lighting, wayfinding signage, protected bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	San Vicente Blvd provides connections to bus stops and the Cedars-Sinai Outpatient Rehabilitation Program. The existing conditions analysis identified 6 pedestrian and bicycle involved collisions on San Vicente Blvd. San Vicente Blvd came up 68 times during community engagement activities. The first/last mile protected bike lane aligns with the City of LA's Mobility Plan proposed bike network. The City of Beverly Hills' Complete Streets plan proposes a south bound bike lane.
Gale Dr/ Orlando Ave	Collector	Gregory Way to 3rd St	City of LA, City of Beverly Hills	Pedestrian lighting, sharrow	New or improved crosswalks, bus stop enhancements, bike friendly intersections, mobility hub	Gale Dr/Orlando Ave provides connections to La Cienega Park, Saban Theatre, the City of Beverly Hill's proposed Mobility Hub, and residential areas. The existing conditions analysis identified 2 pedestrian involved collisions on this street. Gale Dr/Orlando Ave came up 4 times during community engagement activities. The first/last mile sharrow extends the City of LA's Mobility Plan proposed bike network on Orlando Ave south of San Vicente Blvd onto Gale Dr. The sharrow aligns with the City of Beverly Hills' Connect Beverly Hills project.
Sweetzer Ave	Collector	Wilshire Blvd to 3rd St	City of LA	Pedestrian lighting, bike boulevard	Bike friendly intersections	Sweetzer Ave provides a north-south route for residential areas east of San Vicente Blvd. Sweetzer came up 5 times during community engagement activities. The first/last mile bicycle boulevard provides an enhanced alternative to the City of LA's Mobility Plan proposed sharrow on Sweetzer Ave.
Hayes Dr	Collector	Santa Ynez Wy to Foster Dr (Bike)	City of LA	Sharrow	N/A	The Hayes Dr recommended sharrows extend the east/west facility that ends on Gregory Wy. The recommended bicycle sharrow markings aligned with what the City has proposed.
Santa Ynez Way	Cut-through	Hayes Dr to Olympic Blvd	City of LA	Pedestrian lighting	N/A	Santa Ynez Way is a pedestrian walkway that cuts through two residential blocks. Santa Ynez Way was noted 1 time during the community walk audits.

PROJECT LIST

WILSHIRE / FAIRFAX STATION

Project	Description	Extents	Proposed Corridor Improvements	Proposed Spot Improvements	Proposed Project Justification
Wilshire Blvd	Arterial	La Jolla Ave to Masselin Ave	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, street furniture, wayfinding signage	New or improved crosswalks, bus stop enhancements, bike friendly intersections, mobility hub	Wilshire Blvd provides connections to the Wilshire/Fairfax station, LACMA, La Brea Tar Pits, and the Petersen Automotive Museum. The existing conditions analysis identified 17 pedestrian and bicycle involved collisions on Wilshire Blvd. Community members mentioned the street 79 times during engagement activities throughout the planning process. In addition, selecting Wilshire Blvd and the proposed pathway improvements will support one of the possible "Expanded" options from the City of Beverly Hill's Connect Beverly Hills project, for the length of the corridor.
Fairfax Ave	Arterial	3rd St to Pico Blvd	Landscaping and shade, pedestrian lighting, street furniture, wayfinding signage, bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	Fairfax Ave provides connections to the Wilshire/Fairfax station, bus stops, LACMA, Shalhevet High School, Park La Brea, Farmers Market and The Grove. The existing conditions analysis identified 31 pedestrian and bicycle involved collisions on Fairfax Ave. Fairfax Ave came up 55 times during community engagement activities. The first/last mile bicycle lane aligns with the City of LA's proposed bike network.
6th St	Collector	La Jolla Ave to Masselin Ave	Pedestrian lighting, traffic calming, wayfinding signage, bicycle boulevard, protected bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	6th St provides connections to the LACMA, Park La Brea, and the La Brea Tar Pits. The existing conditions analysis identified 14 pedestrian and bicycle involved collisions on 6th St. 6th St came up 15 times during community engagement activities. The first/last mile bicycle lane aligns with the City of LA's proposed bike network. The first/last mile protected bicycle lane aligns with the City of LA's proposed bike network east of Fairfax Ave. The first/last mile bicycle boulevard west of Fairfax Ave provides an alternative that preserves on-street parking.
8th St/Del Valle Dr	Collector	McCarthy Vista to Hauser Blvd	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, sharrow, bicycle lane, bicycle boulevard	New or improved crosswalks, bike friendly intersections	8th St/Del Valle Dr provides an east-west route south of Wilshire Blvd. The existing conditions analysis identified 6 pedestrian and bicycle involved collisions on 8th St/Del Valle Dr. 8th St/Del Valle Dr came up 35 times during community engagement activities. The first/last mile bicycle network provides enhanced alternatives to the City of LA's proposed sharrow along 8th St. The first/last mile sharrow aligns with the City of LA's proposed bike network on Del Valle Dr.
San Vicente Blvd	Collector	La Jolla Ave to Hauser Blvd (Ped); La Jolla Ave to Rimpau Blvd (Bike)	Landscaping and shade, pedestrian lighting, protected bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	San Vicente Blvd provides connections to bus stops, Shalhevet High, and the Olympia Medical Center. The existing conditions analysis identified 8 pedestrian and bicycle involved collisions on San Vicente Blvd. San Vicente Blvd came up 13 times during community engagement activities. The first/last mile protected bicycle lane aligns with the City of LA's proposed bike network.
Crescent Heights Blvd/McCarthy Vista	Collector	3rd St to San Vicente Blvd	Pedestrian lighting	New or improved crosswalks, bike friendly intersections	Crescent Heights Blvd/McCarthy Vista provides a north-south route west of Fairfax Ave. The existing conditions analysis identified 4 pedestrian and bicycle involved collisions on Crescent Heights Blvd/McCarthy Vista. Crescent Heights Blvd/McCarthy Vista came up 22 times during community engagement activities.
Ogden Dr	Collector	Olympic Blvd to Wilshire Blvd	Landscaping and shade, pedestrian lighting, sharrow, wayfinding signage	New or improved crosswalks, bike friendly intersections	Ogden Dr provides an north-south route to the Wilshire/Fairfax station, east of Fairfax Ave. Ogden Dr came up 26 times during community engagement activities.
Curson Ave	Collector	San Vicente Blvd to 8th St	Landscaping and shade, pedestrian lighting, bicycle boulevard	New or improved crosswalks, bike friendly intersections	Curson Ave provides a north-south route for residential areas in the quadrant of the station area. The existing conditions analysis identified 6 pedestrian and bicycle involved collisions on Curson Ave. Curson Ave came up 10 times during community engagement activities. The first/last mile bicycle boulevard provides an enhanced alternative to the City of LA's proposed sharrow.
San Diego Way	Cut-through	Barrows Dr to Wilshire Blvd	Wayfinding signage	N/A	San Diego Way is a pedestrian walkway that cuts through three residential blocks between Wilshire Blvd and Barrows Dr.
LACMA Plaza	Cut-through	6th St to Wilshire Blvd	Wayfinding signage	N/A	LACMA Plaza provides a pedestrian shortcut between 6th St and Wilshire Blvd. The cut-through will connect to the Wilshire/Fairfax Station.

PROJECT LIST

WILSHIRE / LA BREA STATION

Project	Description	Extents	Proposed Corridor Improvements	Proposed Spot Improvements	Proposed Project Justification
Wilshire Blvd	Arterial	Masselin Ave to Rimpau Blvd	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, street furniture, wayfinding signage	New or improved crosswalks, bus stop enhancements, bike friendly intersections	Wilshire Blvd provides connections to the Wilshire/La Brea station, bus stops, restaurants and other commercial uses. The existing conditions analysis identified 43 pedestrian and bicycle involved collisions on Wilshire Blvd. Community members mentioned the street 28 times during engagement activities throughout the planning process. In addition, selecting Wilshire Blvd and the proposed pathway improvements will support one of the possible options from the City of Beverly Hill's streetscape project, for the length of the corridor.
La Brea Ave	Arterial	San Vicente Blvd to 2nd St (Ped); San Vicente Blvd to 3rd St (Bike)	Landscaping and shade, pedestrian lighting, wayfinding signage, bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	La Brea Ave provides connections to the Wilshire/La Brea station and commercial uses along its length. The existing conditions analysis identified 42 pedestrian and bicycle involved collisions on La Brea Ave. Bus stop enhancements were identified by community members as the most needed improvement on La Brea Ave. La Brea Ave came up 32 times during community engagement activities. The first/last mile bike lane aligns with the City of LA's Mobility Plan proposed bike network.
6th St	Collector	Masselin Ave to Rimpau Blvd (Ped) Masselin Ave to La Brea Ave (Bike)	Pedestrian lighting, traffic calming, protected bike lane, bicycle lane	New or improved crosswalks, bus stop enhancements, bike friendly intersections	6th St provides connections to John Borroughs Middle School and Park La Brea. Community members noted bike facilities as the most needed improvement on this street. 6th St came up 26 times during community engagement activities. The first/last mile bike facilities close the gap in the City of LA's proposed bicycle network between Hauser Blvd and Cochran Ave.
8th St	Collector	Hauser Blvd to Rimpau Blvd (Ped) Hauser Blvd to Muirfield Rd (Bike)	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, bicycle boulevard	New or improved crosswalks, bus stop enhancements, bike friendly intersections	8th St provides an alternative east-west route, south of Wilshire Blvd. The existing conditions analysis identified 23 pedestrian and bicycle involved collisions on 8th St. Community members noted bike facilities as the most needed improvement on this street. 8th St came up 25 times during community engagement activities. The first/last mile bicycle boulevard provides an enhanced alternative to the City of LA proposed sharrow.
Cochran Ave	Collector	3rd St to Edgewood Pl (Ped); 3rd St to San Vicente Blvd (Bike)	Landscaping and shade, pedestrian lighting, sidewalk/curb extensions, bicycle boulevard	New or improved crosswalks, bike friendly intersections	Cochran Ave provides connections to Park La Brea and an alternative north-south route, west of La Brea Ave. Community members noted bike facilities as the most needed improvement on this street. Cochran Ave came up 29 times during community engagement activities. The first/last mile bicycle boulevard provides an enhanced alternative to the City of LA proposed sharrow on Cochran Ave and closes the gap between 6th St and 4th St.
Mansfield Ave	Collector	3rd St to Edgewood Pl (Ped); Beverly Blvd to Edgewood Pl (Bike)	Sidewalk/curb extensions, bicycle boulevard	New or improved crosswalks, bus stop enhancements, bike friendly intersections	Mansfield Ave provides connections to Wilshire Crest Elementary School and Mansfield Ave Park. Community members mentioned the street 3 times during engagement activities throughout the planning process. The first/last mile bicycle boulevard extends and provides an enhanced alternative to the City of LA proposed sharrow on Mansfield Ave between 4th St and 8th St.
Redondo Blvd	Bicycle lane	La Brea Blvd to Pico Blvd	Bicycle lane	N/A	The first/last mile bicycle lane aligns with the City of LA proposed bike network, and extends bicycle facilities further south, connecting riders to San Vicente Blvd.

Next stop: a better journey.

PURPLE (D LINE) EXTENSION TRANSIT PROJECT FIRST/LAST MILE PLAN
Section 1 – Rough-Order-of-Magnitude (ROM) Cost Estimation

DRAFT: subject to change



Metro

FALL 2021

Item Description	QTY	Unit	Amount		TOTAL AMOUNT
			Unit Cost	Amount	Amount
FTA SCC-50 CONSTRUCTION COSTS					
La Cienega Boulevard	1	LS	\$ 5,562,300.00		\$ 5,562,300.00
Wilshire Boulevard	1	LS	\$ 6,110,100.00		\$ 6,110,100.00
Le Doux Road	1	LS	\$ 2,891,750.00		\$ 2,891,750.00
S Orlando Avenue/ N Gale Drive	1	LS	\$ 1,020,800.00		\$ 1,020,800.00
San Vicente Boulevard	1	LS	\$ 1,984,950.00		\$ 1,984,950.00
Clifton Way	1	LS	\$ 1,864,250.00		\$ 1,864,250.00
Charleville Boulevard	1	LS	\$ 1,542,000.00		\$ 1,542,000.00
Sweetzer Avenue	1	LS	\$ 920,825.00		\$ 920,825.00
Willaman Drive	1	LS	\$ 418,500.00		\$ 418,500.00
6th Street	1	LS	\$ 498,550.00		\$ 498,550.00
Gregory Way	1	LS	\$ 583,600.00		\$ 583,600.00
San Ynez Way	1	LS	\$ 141,400.00		\$ 141,400.00
Hayes Drive	1	LS	\$ 2,400.00		\$ 2,400.00
Wayfinding Sign Allowance (\$25K for Wayfinding Sign Allowance and \$5K for Wayfinding Sign Maintenance)	1	LS	\$ 30,000.00		\$ 30,000.00
Metro Factor			\$ 23,571,425.00	5%	\$ 1,178,571.25
Construction Sub-Total					\$ 24,749,996.25
FTA SCC 80 SOFT COSTS					
EIR/EIS Planning			\$ 24,749,996.25	2.0%	\$ 494,999.93
Artwork			\$ 24,749,996.25	0.5%	\$ 123,749.98
Preliminary Engineering			\$ 24,749,996.25	4.8%	\$ 1,187,999.82
Final Design Services			\$ 24,749,996.25	8.1%	\$ 2,004,749.70
Project Management for Design and Construction			\$ 24,749,996.25	9.8%	\$ 2,425,499.63
Construction Administration and Management			\$ 24,749,996.25	4.8%	\$ 1,187,999.82
Professional Liability & Other Non-Construction Insurance			\$ 24,749,996.25	0.003%	\$ 742.50
Legal, Permits, Review Fees by Other Agencies, Cities, and etc.			\$ 24,749,996.25	3.7%	\$ 915,749.86
Startup			\$ 24,749,996.25	1.6%	\$ 395,999.94
Project Cost Sub-Total					\$ 8,737,491.18
FTA SCC 90 PROJECT CONTINGENCY					
Unallocated			\$ 33,487,487.43	10.0%	\$ 3,348,748.74
Project Cost					\$ 36,836,236.17

Purple (D Line) Cost Estimates		Location: La Cienega Blvd (3rd St to Pico Blvd)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	0	Each	\$ -	\$ -	
Bus Stop Improvements	11	Each	\$ 45,600	\$ 501,600	
Landscaping & Shade	10	Block	\$ 40,600	\$ 406,000	
New or Improved Crosswalks	22	Leg	\$ 3,000	\$ 66,000	
New Sidewalks	26800	Sq. Ft.	\$ 44	\$ 1,179,200	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	148	Each (Both Sides of Street)	\$ 10,100	\$ 1,494,800	
Street Furniture	37	Each	\$ 3,100	\$ 114,700	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 3,762,300.00

Purple (D Line) Cost Estimates		Location: Wilshire Blvd (Robertson Blvd to S La Jolla Ave)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	40	Each	\$ 30,425	\$ 1,217,000	
Bus Stop Improvements	6	Each	\$ 45,600	\$ 273,600	
Landscaping & Shade	13	Block	\$ 40,600	\$ 527,800	
New or Improved Crosswalks	24	Leg	\$ 3,000	\$ 72,000	
New Sidewalks	24800	Sq. Ft.	\$ 44	\$ 1,091,200	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	97	Each (Both Sides of Street)	\$ 10,100	\$ 979,700	
Street Furniture	48	Each	\$ 3,100	\$ 148,800	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 4,310,100.00

Purple (D Line) Cost Estimates

Location: Le Doux Rd (Burton Wy to W Whitworth Dr)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	30	Each	\$ 30,425	\$ 912,750	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	17	Leg	\$ 3,000	\$ 51,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	110	Each (Both Sides of Street)	\$ 10,100	\$ 1,111,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump	18	Each	\$ 3,000	\$ 54,000	
PROJECT SUB-TOTAL			\$ 2,128,750.00		

Purple (D Line) Cost Estimates

Location: S Orlando Ave/ N Gale Dr (3rd St to Gregory Wy)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements	2	Each	\$ 45,600	\$ 91,200	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	4	Leg	\$ 3,000	\$ 12,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	80	Each (Both Sides of Street)	\$ 10,100	\$ 808,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 911,200.00		

Purple (D Line) Cost Estimates

Location: San Vicente Blvd (Burton Wy to La Jolla Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	7	Leg	\$ 1,150	\$ 8,050	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	89	Each (Both Sides of Street)	\$ 10,100	\$ 898,900	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 906,950.00		

Purple (D Line) Cost Estimates

Location: Clifton Wy (Robertson Blvd to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	26	Each	\$ 30,425	\$ 791,050	
Bus Stop Improvements	2	Each	\$ 45,600	\$ 91,200	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	4	Leg	\$ 3,000	\$ 12,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	50	Each (Both Sides of Street)	\$ 10,100	\$ 505,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump	8	Each	\$ 3,000	\$ 24,000	
PROJECT SUB-TOTAL			\$ 1,423,250.00		

Purple (D Line) Cost Estimates

Location: Charleville Blvd (S Swall Dr to La Doux Rd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	50	Each (Both Sides of Street)	\$ 10,100	\$ 505,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 505,000.00		

Purple (D Line) Cost Estimates

Location: Sweetzer Ave (3rd St to Wilshire Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	63	Each (Both Sides of Street)	\$ 10,100	\$ 636,300	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 636,300.00		

Purple (D Line) Cost Estimates

Location: Willaman Dr (Clifton Wy to Charleville Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	31	Each (Both Sides of Street)	\$ 10,100	\$ 313,100	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 313,100.00		

Purple (D Line) Cost Estimates

Location: 6th St (San Vicente Blvd to S. La Jolla Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements	2	Each	\$ 45,600	\$ 91,200	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	3	Leg	\$ 3,000	\$ 9,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	31	Each (Both Sides of Street)	\$ 10,100	\$ 313,100	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 413,300.00		

Purple (D Line) Cost Estimates

Location: Gregory Wy (Le Doux Blvd to Schumacher Dr)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	30	Each (Both Sides of Street)	\$ 10,100	\$ 303,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump	5	Each	\$ 3,000	\$ 15,000	
PROJECT SUB-TOTAL			\$ 318,000.00		

Purple (D Line) Cost Estimates

Location: Santa Ynez Way (Hayes Dr to Olympic Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	14	Each (Both Sides of Street)	\$ 10,100	\$ 141,400	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 141,400.00		

Purple (D Line) Cost Estimates			Location: La Cienega Blvd (3rd St to Pico Blvd)		
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub	1	Each	\$ 1,800,000	\$ 1,800,000	
Bicycle Friendly Intersection		Each	\$ -	\$ -	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,800,000.00
Purple (D Line) Cost Estimates			Location: Wilshire Blvd (Robertson Blvd to S La Jolla Ave)		
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub	1	Each	\$ 1,800,000	\$ 1,800,000	
Bicycle Friendly Intersection		Each	\$ -	\$ -	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,800,000.00

Purple (D Line) Cost Estimates

Location: Le Doux Rd (Burton Wy to Pico Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	4	Each	\$ 100,000	\$ 400,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	6600	Feet	\$ 55	\$ 363,000	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 763,000.00

IBI Purple Line Cost Estimates

Location: S Orlando Ave/ N Gale Dr (3rd St to Gregory Wy)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow	16	Each	\$ 600	\$ 9,600	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 109,600.00

Purple (D Line) Cost Estimates

Location: San Vicente Blvd (Burton Wy to La Jolla Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	7	Each	\$ 100,000	\$ 700,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane	0.84	Mile	\$ 450,000	\$ 378,000	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,078,000.00

Purple (D Line) Cost Estimates

Location: Clifton Wy (Rexford Dr to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	6200	Feet	\$ 55	\$ 341,000	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 441,000.00

Purple (D Line) Cost Estimates

Location: Charleville Blvd (Lasky Dr to La Doux Rd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	2	Each	\$ 100,000	\$ 200,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane	1.86	Mile	\$ 450,000	\$ 837,000	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,037,000.00

Purple (D Line) Cost Estimates

Location: Sweetzer Ave (3rd St to Wilshire Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	3355	Feet	\$ 55	\$ 184,525	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 284,525.00

Purple (D Line) Cost Estimates

Location: Willaman Dr (Clifton Wy to Gregory Wy)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow	9	Each	\$ 600	\$ 5,400	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 105,400.00

Purple (D Line) Cost Estimates

Location: 6th St (San Vicente Blvd to La Jolla Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection		Each	\$ -	\$ -	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	1550	Feet	\$ 55	\$ 85,250	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 85,250.00

Purple (D Line) Cost Estimates

Location: Gregory Wy (Robertson Blvd to Schumacher Dr)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow	6	Each	\$ 600	\$ 3,600	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane	0.36	Mile	\$ 450,000	\$ 162,000	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 265,600.00

IBI Purple Line Cost Estimates

Location: Hayes Dr (Santa Ynez Wy to Foster Dr)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection		Each	\$ -	\$ -	
Sharrow	4	Each	\$ 600	\$ 2,400	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 2,400.00

Item Description	QTY	Unit	Amount		TOTAL AMOUNT
			Unit Cost	Amount	Amount
FTA SCC-50 CONSTRUCTION COSTS					
Fairfax Avenue	1	LS	\$ 5,116,709.09		\$ 5,116,709.09
Wilshire Boulevard	1	LS	\$ 2,519,550.00		\$ 2,519,550.00
8th Street/Del Valle Drive	1	LS	\$ 2,845,350.00		\$ 2,845,350.00
6th Street	1	LS	\$ 1,746,600.00		\$ 1,746,600.00
San Vicente Boulevard	1	LS	\$ 2,543,900.00		\$ 2,543,900.00
Curson Avenue	1	LS	\$ 707,500.00		\$ 707,500.00
Ogden Drive	1	LS	\$ 569,800.00		\$ 569,800.00
Crescent Heights Boulevard/McCarthy Vista	1	LS	\$ 850,300.00		\$ 850,300.00
Wayfinding Sign Allowance (\$25K for Wayfinding Sign Allowance and \$5K for Wayfinding Sign Maintenance)	1	LS	\$ 30,000.00		\$ 30,000.00
Metro Factor			\$ 16,929,709.09	\$ 5%	\$ 846,485.45
Construction Sub-Total					\$ 17,776,194.55
FTA SCC 80 SOFT COSTS					
EIR/EIS Planning			\$ 17,776,194.55	\$ 2.0%	\$ 355,523.89
Artwork			\$ 17,776,194.55	\$ 0.5%	\$ 88,880.97
Preliminary Engineering			\$ 17,776,194.55	\$ 4.8%	\$ 853,257.34
Final Design Services			\$ 17,776,194.55	\$ 8.1%	\$ 1,439,871.76
Project Management for Design and Construction			\$ 17,776,194.55	\$ 9.8%	\$ 1,742,067.07
Construction Administration and Management			\$ 17,776,194.55	\$ 4.8%	\$ 853,257.34
Professional Liability & Other Non-Construction Insurance			\$ 17,776,194.55	\$ 0.003%	\$ 533.29
Legal, Permits, Review Fees by Other Agencies, Cities, and etc.			\$ 17,776,194.55	\$ 3.7%	\$ 657,719.20
Startup			\$ 17,776,194.55	\$ 1.6%	\$ 284,419.11
Project Cost Sub-Total					\$ 6,275,529.96
FTA SCC 90 PROJECT CONTINGENCY					
Unallocated			\$ 24,051,724.51	\$ 10.0%	\$ 2,405,172.45
Project Cost					\$ 26,456,896.96

Purple (D Line) Cost Estimates		Location: Fairfax Avenue (3rd St to Pico Blvd)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements	9	Each	\$ 45,600	\$ 410,400	
Landscaping & Shade	14	Block	\$ 40,600	\$ 568,400	
New or Improved Crosswalks	23	Leg	\$ 3,000	\$ 69,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	152	Each (Both Sides of Street)	\$ 10,100	\$ 1,535,200	
Street Furniture	38	Each	\$ 3,100	\$ 117,800	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 2,700,800.00
Purple (D Line) Cost Estimates		Location: Wilshire Boulevard (La Jolla Ave to Masselin Ave)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	30	Each	\$ 30,425	\$ 912,750	
Bus Stop Improvements	4	Each	\$ 45,600	\$ 182,400	
Landscaping & Shade	9	Block	\$ 40,600	\$ 365,400	
New or Improved Crosswalks	5	Leg	\$ 3,000	\$ 15,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	96	Each (Both Sides of Street)	\$ 10,100	\$ 969,600	
Street Furniture	24	Each	\$ 3,100	\$ 74,400	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 2,519,550.00

Purple (D Line) Cost Estimates

Location: 8th St/Del Valle (McCarthy Vista to Hauser Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	38	Each	\$ 30,425	\$ 1,156,150	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	11	Block	\$ 40,600	\$ 446,600	
New or Improved Crosswalks	10	Leg	\$ 3,000	\$ 30,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	90	Each (Both Sides of Street)	\$ 10,100	\$ 909,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 2,541,750.00		

Purple (D Line) Cost Estimates

Location: 6th Street (La Jolla Ave to Masselin Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	4	Leg	\$ 3,000	\$ 12,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	94	Each (Both Sides of Street)	\$ 10,100	\$ 949,400	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump	16	Each	\$ 3,000	\$ 48,000	
PROJECT SUB-TOTAL			\$ 1,009,400.00		

Purple (D Line) Cost Estimates

Location: San Vicente (La Jolla Dr to Hauser Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	9	Block	\$ 40,600	\$ 365,400	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	110	Each (Both Sides of Street)	\$ 10,100	\$ 1,111,000	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,476,400.00

Purple (D Line) Cost Estimates

Location: Curson Ave (8th St to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	2	Block	\$ 40,600	\$ 81,200	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	41	Each (Both Sides of Street)	\$ 10,100	\$ 414,100	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 495,300.00

Purple (D Line) Cost Estimates

Location: S. Ogden Dr. (Wilshire Blvd to Olympic Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	2	Block	\$ 40,600	\$ 81,200	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	38	Each (Both Sides of Street)	\$ 10,100	\$ 383,800	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 465,000.00		

Purple (D Line) Cost Estimates

Location: Crescent Heights Blvd/McCarthy Vista (3rd St to San Vicente)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	4	Leg	\$ 3,000	\$ 12,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	83	Each (Both Sides of Street)	\$ 10,100	\$ 838,300	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 850,300.00		

Purple (D Line) Cost Estimates Location: Fairfax Avenue (3rd St to Pico Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub	1	Each	\$ 1,800,000	\$ 1,800,000	
Bicycle Friendly Intersection	4	Each	\$ 100,000	\$ 400,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes	1.44	Mile	\$ 150,000	\$ 215,909	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ 2,415,909.09		

Purple (D Line) Cost Estimates Location: Wilshire Boulevard (La Jolla Ave to Masselin Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection		Each	\$ -	\$ -	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL			\$ -		

Purple (D Line) Cost Estimates

Location: 8th St/Del Valle (McCarthy Vista to Hauser Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	2	Each	\$ 100,000	\$ 200,000	
Sharrow	6	Each	\$ 600	\$ 3,600	
Bicycle Blvd	400	Feet	\$ 55	\$ 22,000	
Class II Bike Lanes	0.52	Mile	\$ 150,000	\$ 78,000	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 303,600.00

Purple (D Line) Cost Estimates

Location: 6th Street (La Jolla Ave to Masselin Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	4	Each	\$ 100,000	\$ 400,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	2040	Feet	\$ 55	\$ 112,200	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane	0.50	Mile	\$ 450,000	\$ 225,000	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 737,200.00

Purple (D Line) Cost Estimates Location: San Vicente (La Jolla Ave to Rimpau Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane	2.15	Mile	\$ 450,000	\$ 967,500	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 1,067,500.00

Purple (D Line) Cost Estimates Location: Curson Ave. (8th St to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	2040	Feet	\$ 55	\$ 112,200	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 212,200.00

Purple (D Line) Cost Estimates Location: S. Ogden Dr. (Wilshire Blvd to Olympic Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	1	Each	\$ 100,000	\$ 100,000	
Sharrow	8	Each	\$ 600	\$ 4,800	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 104,800.00

Item Description	QTY	Unit	Amount		TOTAL AMOUNT
			Unit Cost	Amount	Amount
FTA SCC-50 CONSTRUCTION COSTS					
La Brea Avenue	1	LS	\$ 4,987,600.00		\$ 4,987,600.00
Wilshire Boulevard	1	LS	\$ 3,739,000.00		\$ 3,739,000.00
8th Street	1	LS	\$ 4,114,720.00		\$ 4,114,720.00
Cochran Avenue	1	LS	\$ 3,124,650.00		\$ 3,124,650.00
Mansfield Avenue	1	LS	\$ 1,879,600.00		\$ 1,879,600.00
6th Street	1	LS	\$ 1,809,900.00		\$ 1,809,900.00
Wayfinding Sign Allowance (\$25K for Wayfinding Sign Allowance and \$5K for Wayfinding Sign Maintenance)	1	LS	\$ 30,000.00		\$ 30,000.00
Metro Factor				5%	\$ 984,273.50
Construction Sub-Total					\$ 20,669,743.50
FTA SCC 80 SOFT COSTS					
EIR/EIS Planning			\$ 20,669,743.50	2.0%	\$ 413,394.87
Artwork			\$ 20,669,743.50	0.5%	\$ 103,348.72
Preliminary Engineering			\$ 20,669,743.50	4.8%	\$ 992,147.69
Final Design Services			\$ 20,669,743.50	8.1%	\$ 1,674,249.22
Project Management for Design and Construction			\$ 20,669,743.50	9.8%	\$ 2,025,634.86
Construction Administration and Management			\$ 20,669,743.50	4.8%	\$ 992,147.69
Professional Liability & Other Non-Construction Insurance			\$ 20,669,743.50	0.003%	\$ 620.09
Legal, Permits, Review Fees by Other Agencies, Cities, and etc.			\$ 20,669,743.50	3.7%	\$ 764,780.51
Startup			\$ 20,669,743.50	1.6%	\$ 330,715.90
Project Cost Sub-Total					35.3% \$ 7,297,039.55 \$ 27,966,783.05
FTA SCC 90 PROJECT CONTINGENCY					
Unallocated			\$ 27,966,783.05	10.0%	\$ 2,796,678.30
Project Cost					\$ 30,763,461.35

Purple (D Line) Cost Estimates Location: La Brea Ave (San Vicente Blvd to 2nd St)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements	9	Each	\$ 45,600	\$ 410,400	
Landscaping & Shade	10	Block	\$ 40,600	\$ 406,000	
New or Improved Crosswalks	4	Leg	\$ 3,000	\$ 12,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	142	Each (Both Sides of Street)	\$ 10,100	\$ 1,434,200	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 2,262,600.00

Purple (D Line) Cost Estimates Location: Wilshire Blvd (Masselin Ave to Rimpau Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	52	Each	\$ 30,425	\$ 1,582,100	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	18	Block	\$ 40,600	\$ 730,800	
New or Improved Crosswalks	8	Leg	\$ 3,000	\$ 24,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	129	Each (Both Sides of Street)	\$ 10,100	\$ 1,302,900	
Street Furniture	32	Each	\$ 3,100	\$ 99,200	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 3,739,000.00

Purple (D Line) Cost Estimates

Location: 8th St (Hauser Blvd to Rimpau Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	52	Each	\$ 30,425	\$ 1,582,100	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	15	Block	\$ 40,600	\$ 609,000	
New or Improved Crosswalks	8	Leg	\$ 3,000	\$ 24,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	121	Each (Both Sides of Street)	\$ 10,100	\$ 1,222,100	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 3,437,200.00

Purple (D Line) Cost Estimates

Location: Cochran Ave (3rd St to Edgewood Pl)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	30	Each	\$ 30,425	\$ 912,750	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade	9	Block	\$ 40,600	\$ 365,400	
New or Improved Crosswalks	12	Leg	\$ 3,000	\$ 36,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	106	Each (Both Sides of Street)	\$ 10,100	\$ 1,070,600	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 2,384,750.00

Purple (D Line) Cost Estimates

Location: Mansfield Ave. (3rd St to Edgewood Pl)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners	28	Each	\$ 30,425	\$ 851,900	
Bus Stop Improvements	2	Each	\$ 45,600	\$ 91,200	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks	8	Leg	\$ 3,000	\$ 24,000	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting		Each (Both Sides of Street)	\$ -	\$ -	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump		Each	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 967,100.00

Purple (D Line) Cost Estimates

Location: 6th St (Masselin Ave to Rimpau Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bulb-outs at Corners		Each	\$ -	\$ -	
Bus Stop Improvements		Each	\$ -	\$ -	
Landscaping & Shade		Block	\$ -	\$ -	
New or Improved Crosswalks		Leg	\$ -	\$ -	
New Sidewalks		Sq. Ft.	\$ -	\$ -	
Improved Sidewalks		Sq. Ft.	\$ -	\$ -	
Pedestrian & Bike Lighting	129	Each (Both Sides of Street)	\$ 10,100	\$ 1,302,900	
Street Furniture		Each	\$ -	\$ -	
Traffic Calming - Speed hump	21	Each	\$ 3,000	\$ 63,000	
PROJECT SUB-TOTAL					\$ 1,365,900.00

Purple (D Line) Cost Estimates		Location: La Brea Ave (San Vicente Blvd to 3rd St)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycle Hub	1	Each	\$ 1,800,000	\$	1,800,000
Bicycle Friendly Intersection	7	Each	\$ 100,000	\$	700,000
Sharrow		Each	\$ -	\$	-
Bicycle Blvd		Feet	\$ -	\$	-
Class II Bike Lanes	1.50	Mile	\$ 150,000	\$	225,000
Class IV Protected Bike Lane		Mile	\$ -	\$	-
Shared Use Path		Mile	\$ -	\$	-
PROJECT SUB-TOTAL					\$ 2,725,000.00

Purple (D Line) Cost Estimates		Location: 8th St (Hauser Blvd to Muirfield Rd)			
					Prepared By: ESS
					Date: 2021-05-21
FTA SCC-50 CONSTRUCTION COSTS					
ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycled Hub		Each	\$ -	\$	-
Bicycle Friendly Intersection	3	Each	\$ 100,000	\$	300,000
Sharrow		Each	\$ -	\$	-
Bicycle Blvd	6864	Feet	\$ 55	\$	377,520
Class II Bike Lanes		Mile	\$ -	\$	-
Class IV Protected Bike Lane		Mile	\$ -	\$	-
Shared Use Path		Mile	\$ -	\$	-
PROJECT SUB-TOTAL					\$ 677,520.00

Purple (D Line) Cost Estimates

Location: Cochran Ave (3rd St to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycled Hub		Each	\$ -	\$ -	-
Bicycle Friendly Intersection	4	Each	\$ 100,000	\$ 400,000	
Sharrow		Each	\$ -	\$ -	-
Bicycle Blvd	6180	Feet	\$ 55	\$ 339,900	
Class II Bike Lanes		Mile	\$ -	\$ -	-
Class IV Protected Bike Lane		Mile	\$ -	\$ -	-
Shared Use Path		Mile	\$ -	\$ -	-
PROJECT SUB-TOTAL					\$ 739,900.00

Purple (D Line) Cost Estimates

Location: Redondo Blvd. (La Brea Blvd to San Vicente Blvd)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycled Hub		Each	\$ -	\$ -	-
Bicycle Friendly Intersection		Each	\$ -	\$ -	-
Sharrow		Each	\$ -	\$ -	-
Bicycle Blvd		Feet	\$ -	\$ -	-
Class II Bike Lanes	0.76	Mile	\$ 150,000	\$ 114,000	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	-
Shared Use Path		Mile	\$ -	\$ -	-
PROJECT SUB-TOTAL					\$ 114,000.00

Purple (D Line) Cost Estimates

Location: Mansfield Ave. (Beverly Blvd to Edgewood Pl)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycled Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	5	Each	\$ 100,000	\$ 500,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd	7500	Feet	\$ 55	\$ 412,500	
Class II Bike Lanes		Mile	\$ -	\$ -	
Class IV Protected Bike Lane		Mile	\$ -	\$ -	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 912,500.00

Purple (D Line) Cost Estimates

Location: 6th St (Masselin Ave to La Brea Ave)

Prepared By: ESS
Date: 2021-05-21

FTA SCC-50 CONSTRUCTION COSTS

ITEM DESCRIPTION	QTY	UNIT	AMOUNT		TOTAL AMOUNT
			Unit Cost	Amount	Amount
Bicycled Hub		Each	\$ -	\$ -	
Bicycle Friendly Intersection	3	Each	\$ 100,000	\$ 300,000	
Sharrow		Each	\$ -	\$ -	
Bicycle Blvd		Feet	\$ -	\$ -	
Class II Bike Lanes	0.24	Mile	\$ 150,000	\$ 36,000	
Class IV Protected Bike Lane	0.24	Mile	\$ 450,000	\$ 108,000	
Shared Use Path		Mile	\$ -	\$ -	
PROJECT SUB-TOTAL					\$ 444,000.00