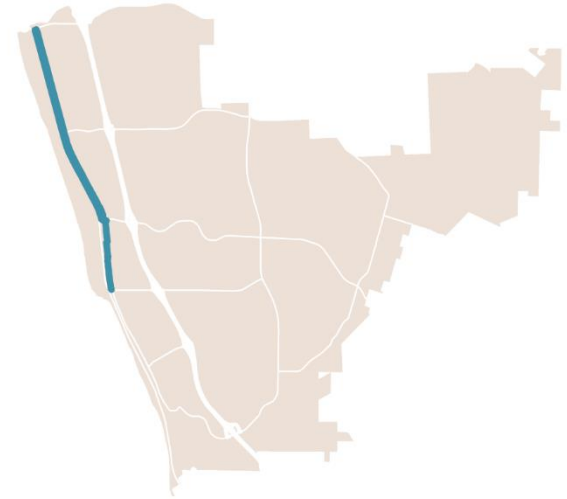
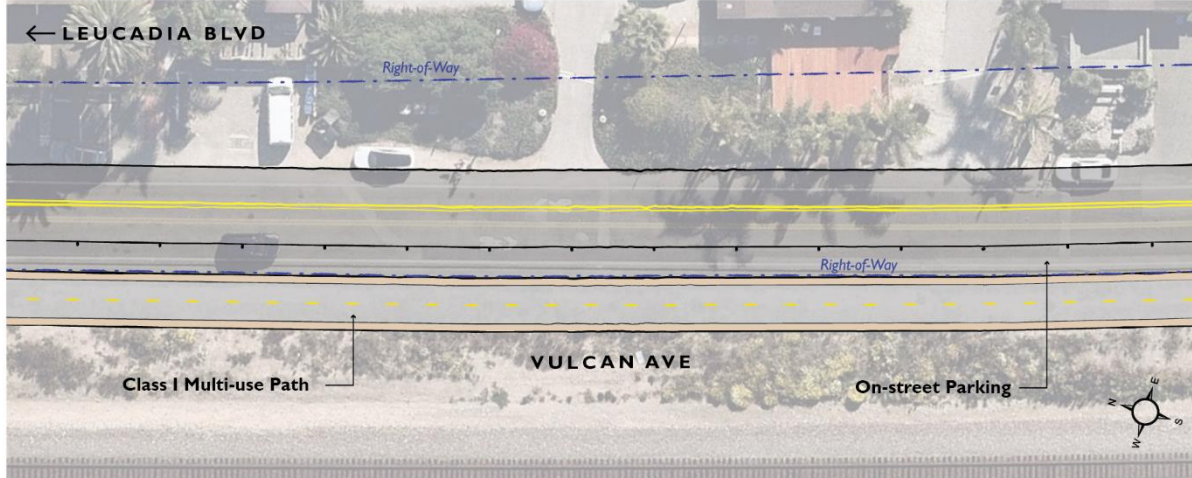


Citywide Bicycle Projects

Bicycle Project #2 – Vulcan Avenue Multi-Use Path

CONCEPTUAL PLAN VIEW



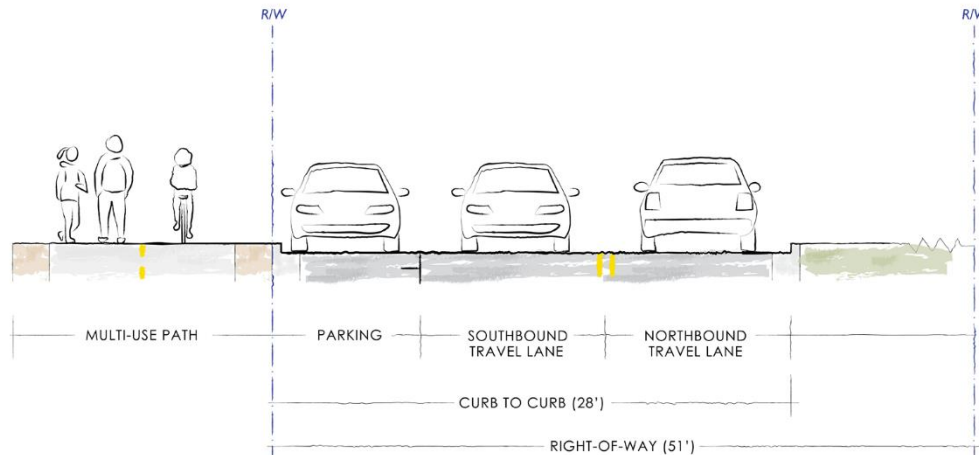
Project Description: A Class I path allowing for pedestrian and bicycle travel is planned along Vulcan Avenue from La Costa Avenue to Santa Fe Drive. This facility will provide coastal north-south connectivity from the northern city limit to the heart of Encinitas and will connect to multiple adjacent bikeways, key destinations, and residential neighborhoods.

The Mobility Element Street Typology identifies Vulcan Avenue as an Urban Village Collector.

Project Goal: To provide greater north-south coastal connectivity.

Construction Cost	\$11,700,000
Contingency	\$3,500,000
Engineering	\$3,000,000
Construction Management	\$3,800,000
Total Estimated Cost	\$22,000,000

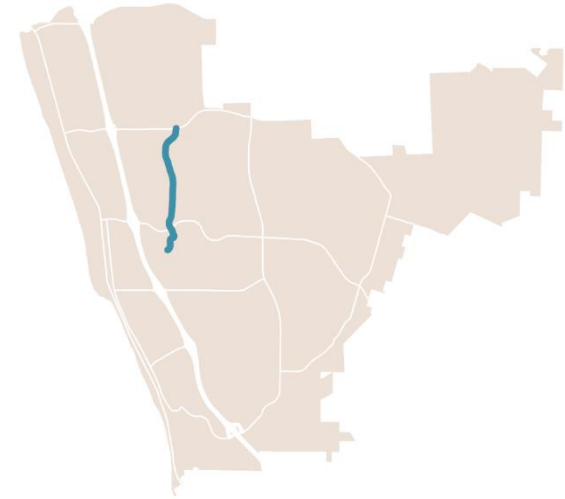
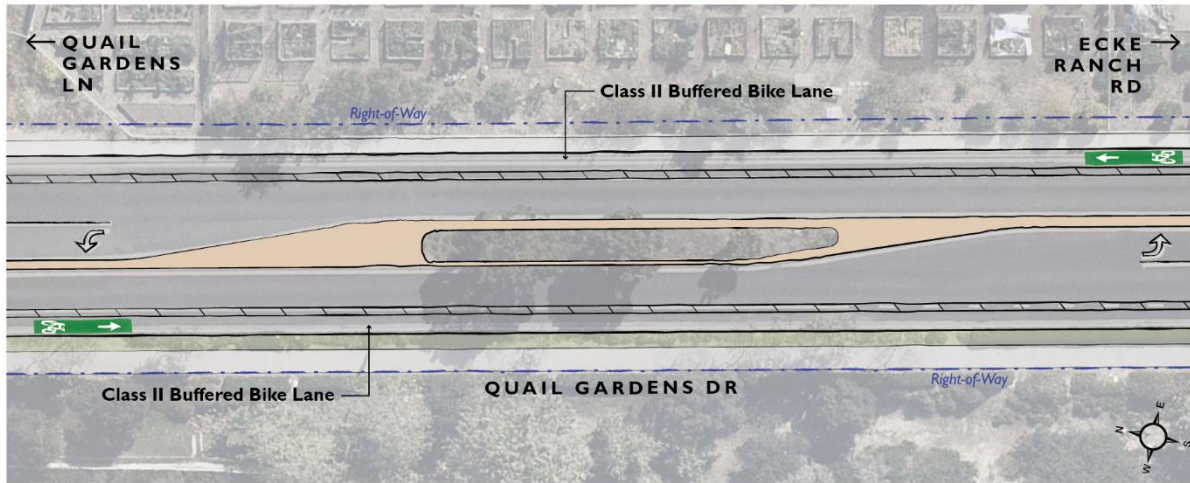
CONCEPTUAL CROSS-SECTION



Extents	La Costa Avenue to Santa Fe Drive
Mileage	5.0
Features	Class I Multi-Use Path
Rank / Score	#1 / 36 points
AIM Score	13.6
GHG Reduction	9.4 Tons
Potential Funding Source(s)	Grants, CIP, General Fund

Bicycle Project #23 – Quail Gardens Drive/Westlake Street Bike Lanes

CONCEPTUAL PLAN VIEW

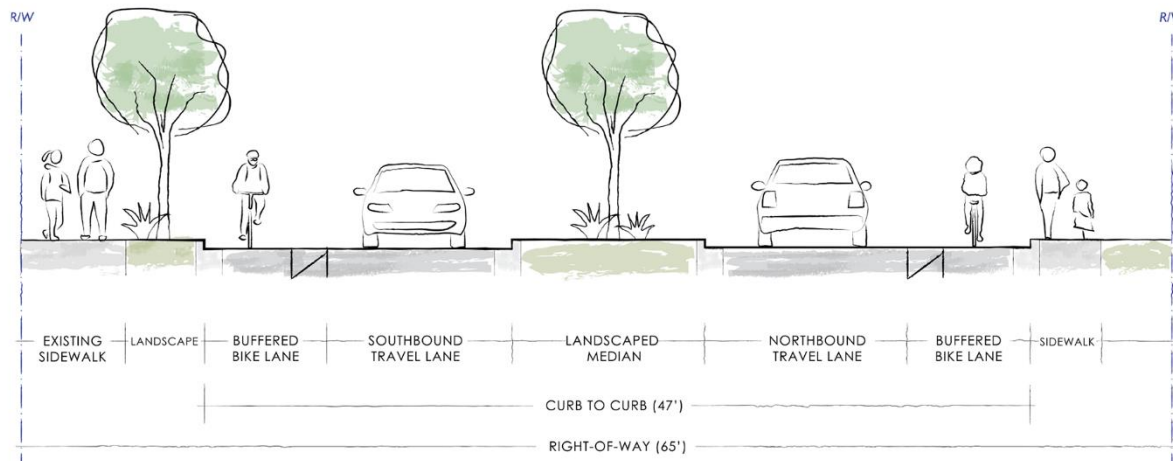


Project Description: A Class IIB (bicycle lane with buffer) facility on Quail Gardens Drive from Leucadia Boulevard to Encinitas Boulevard and a Class II (bicycle lane) on Westlake Street from Encinitas Boulevard to Requeza Street will result in a 1.6-mile dedicated bicycle facility. This will provide north-south bicycle connectivity east of I-5 and will connect to residential neighborhoods and multiple adjacent planned bikeways.

The Mobility Element Street Typology identifies Quail Gardens Drive and Westlake Street as Suburban Collectors.

Project Goal: To create north-south connectivity east of I-5.

CONCEPTUAL CROSS-SECTION

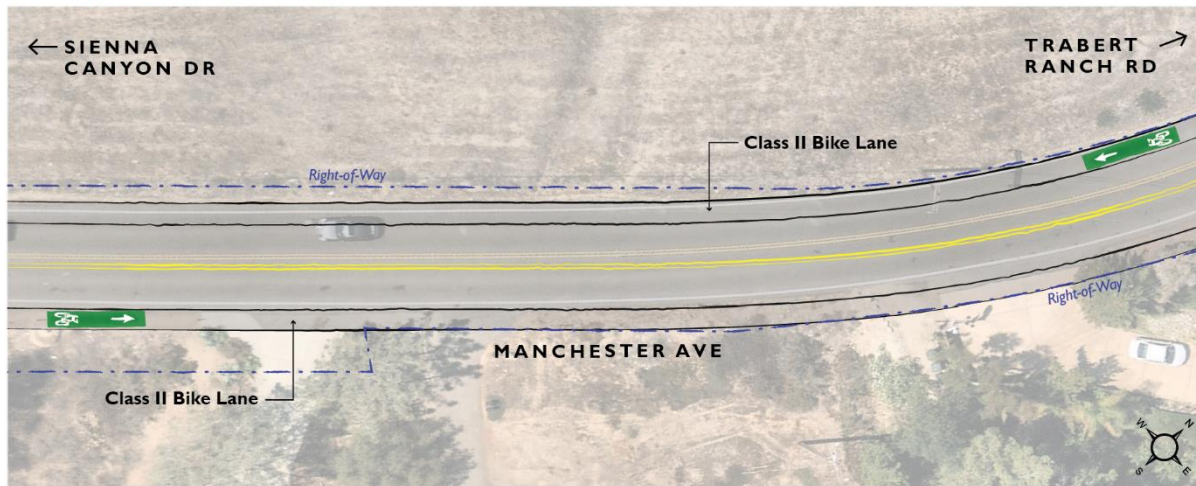


Construction Cost	\$3,800,000
Contingency	\$1,200,000
Engineering	\$1,000,000
Construction Management	\$1,200,000
Total Estimated Cost	\$7,200,000

Extents	Leucadia Boulevard to Requeza Street
Mileage	1.6
Features	Class II Bike Lane, Class II Buffered Bike Lane
Rank / Score	#2 / 34 points
AIM Score	5.3
GHG Reduction	3.7 Tons
Potential Funding Source(s)	Grants, CIP, General Fund

Bicycle Project #43 – Manchester Avenue Bike Lanes

CONCEPTUAL PLAN VIEW



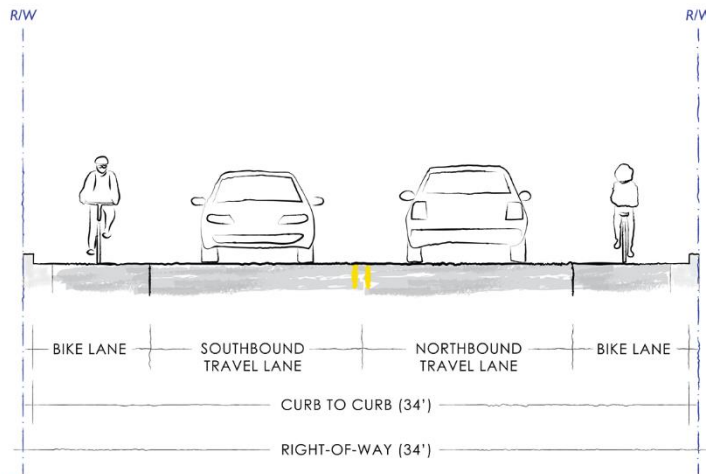
Project Description: A Class II bike lane on Manchester Avenue from Via Poco to Encinitas Boulevard will provide north-south connectivity for the eastern portion of the City, and will connect to residential neighborhoods, a commercial node, and hiking trails.

The Mobility Element Street Typology identifies Manchester Avenue from the I-5 to El Camino Real as a Suburban Connector (Major), and as Rural Collector from El Camino real to Encinitas Boulevard.

Project Goal: Provide safer connectivity on Manchester Avenue.

Construction Cost	\$3,100,000
Contingency	\$900,000
Engineering	\$800,000
Construction Management	\$1,000,000
Total Estimated Cost	\$5,800,000

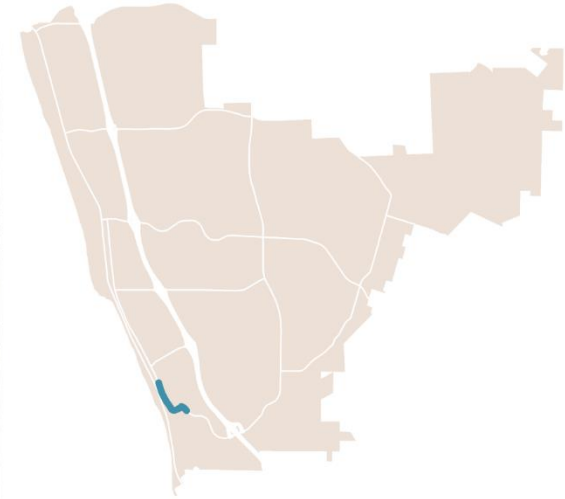
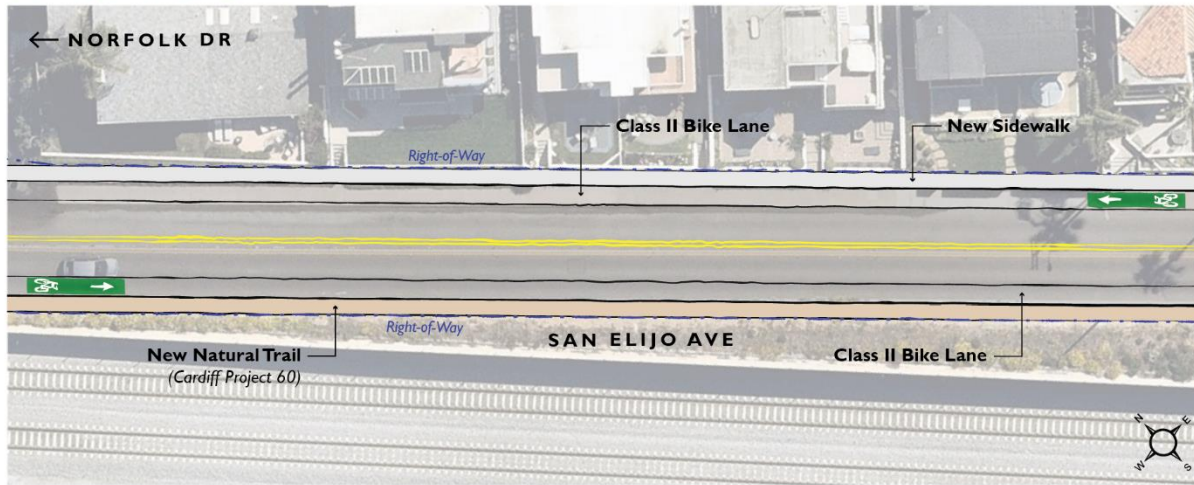
CONCEPTUAL CROSS-SECTION



Extents	Via Poco to Encinitas Boulevard
Mileage	1.6
Features	Class II Bike Lane
Rank / Score	#3 / 29 points
AIM Score	15.6
GHG Reduction	10.8 Tons
Potential Funding Source(s)	Grants, CIP, General Fund

Bicycle Project #66 – San Elijo Avenue Bike Lanes and Bike Route

CONCEPTUAL PLAN VIEW

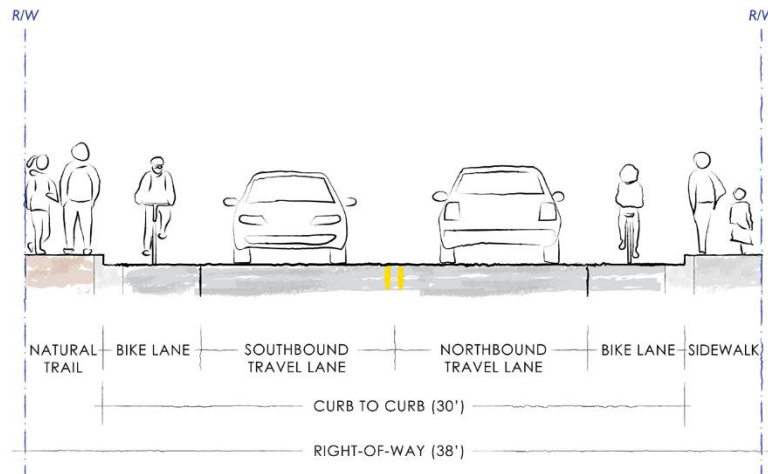


Project Description: A Class II bicycle lane on San Elijo Avenue from Chesterfield Drive to Kilkenny Drive and sharrows from Kilkenny Drive to Manchester Avenue will improve safety for cyclists by giving them dedicated space in the roadway.

The Mobility Element Street Typology identifies San Elijo Avenue as a Residential Neighborway.

Project Goal: To formalize the presence of bicycles in the roadway and improve safety for this stretch of San Elijo Avenue.

CONCEPTUAL CROSS-SECTION

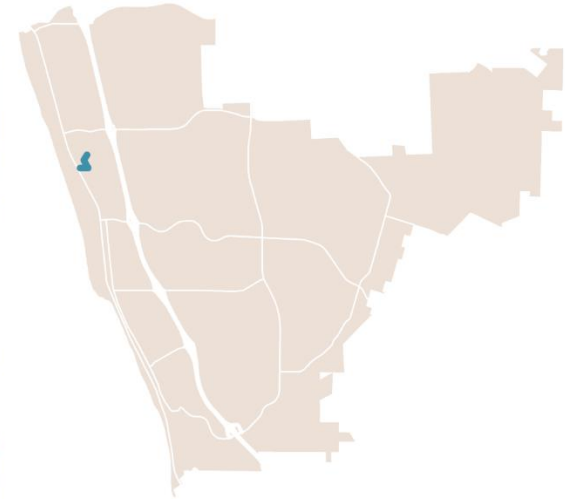
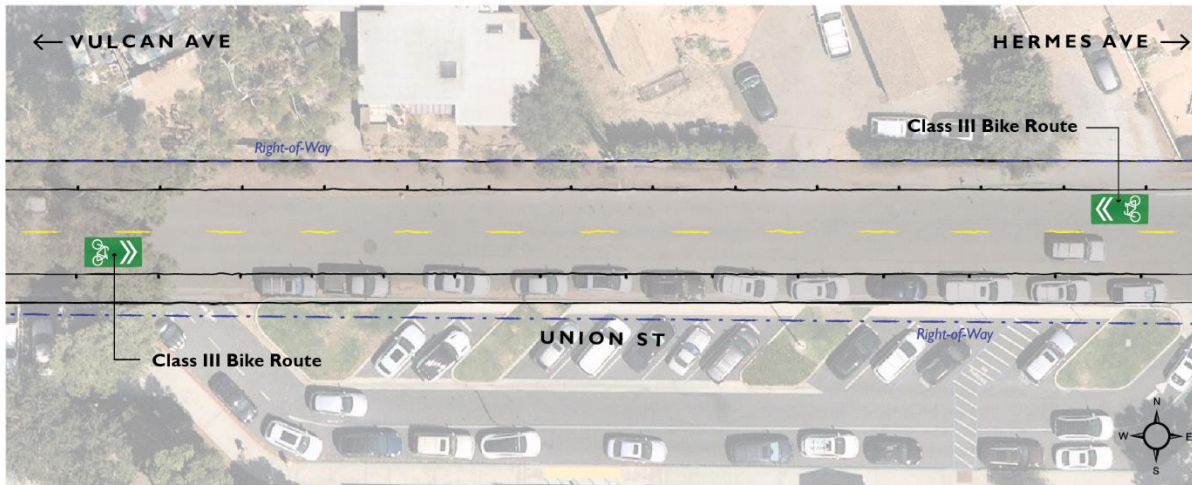


Construction Cost	\$2,000,000
Contingency	\$600,000
Engineering	\$600,000
Construction Management	\$700,000
Total Estimated Cost	\$3,900,000 <i>(Does not include natural trail)</i>

Extents	Chesterfield Drive to Manchester Avenue
Mileage	0.3
Features	Class II Bike Lane, Class III Bike Route (Sharrows)
Rank / Score	#4 / 29 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund

Bicycle Project #12 – Union Street, Hermes Avenue, and Cereus Avenue Bike Routes

CONCEPTUAL PLAN VIEW

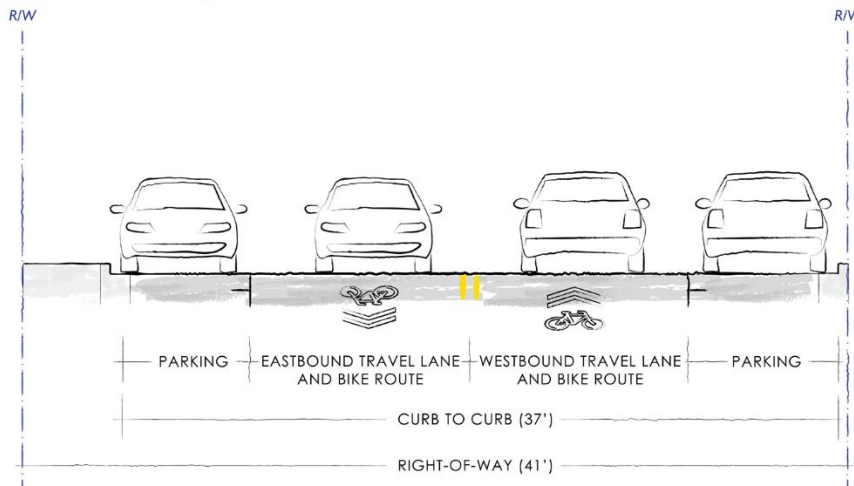


Project Description: This project provides a half-mile of continuous connectivity from Vulcan Avenue to Hygeia Avenue, where there currently are disjointed roadway segments. This Class III facility will tie into a network of planned bicycle facilities.

The Mobility Element Street Typology identifies Union Street as a Residential Local Street (Unclassified).

Project Goals: Provide safer connectivity to the Paul Ecke School and connection to the planned Vulcan Avenue Multi-Use Path, as well as other planned bicycle facilities.

CONCEPTUAL CROSS-SECTION



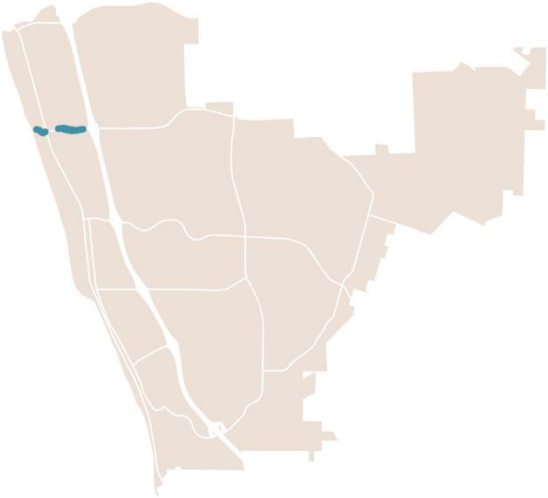
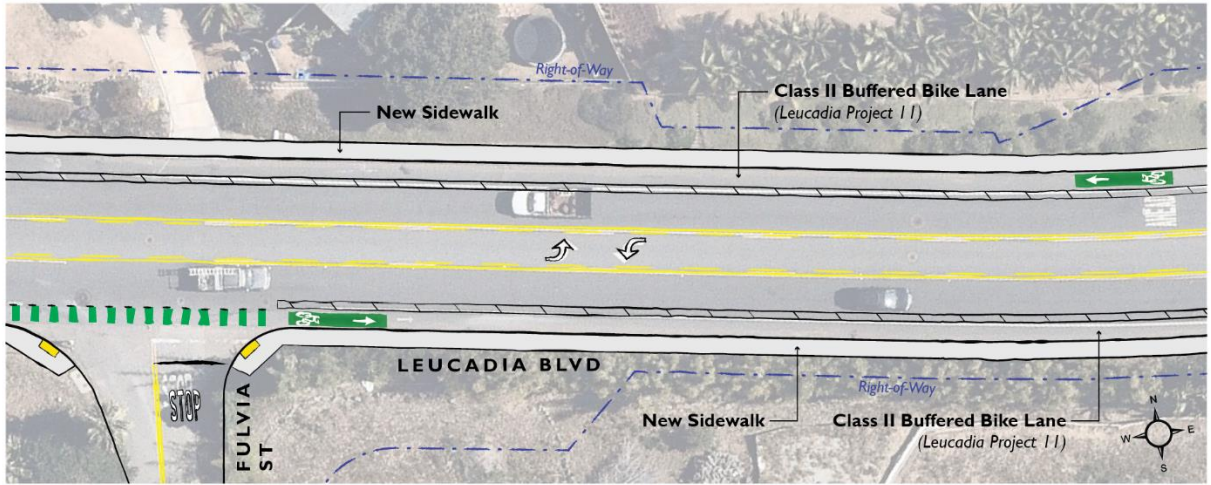
Construction Cost	\$27,000
Contingency	\$8,100
Engineering	\$5,500
Construction Management	\$5,500
Total Estimated Cost	\$46,100

Extents	Vulcan Avenue to Hygeia Avenue
Mileage	0.5
Features	Class III Bike Route
Rank / Score	#5 / 28.5 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund

Citywide Pedestrian Projects

Pedestrian Project #11 – Leucadia Boulevard Sidewalk Infill

CONCEPTUAL PLAN VIEW



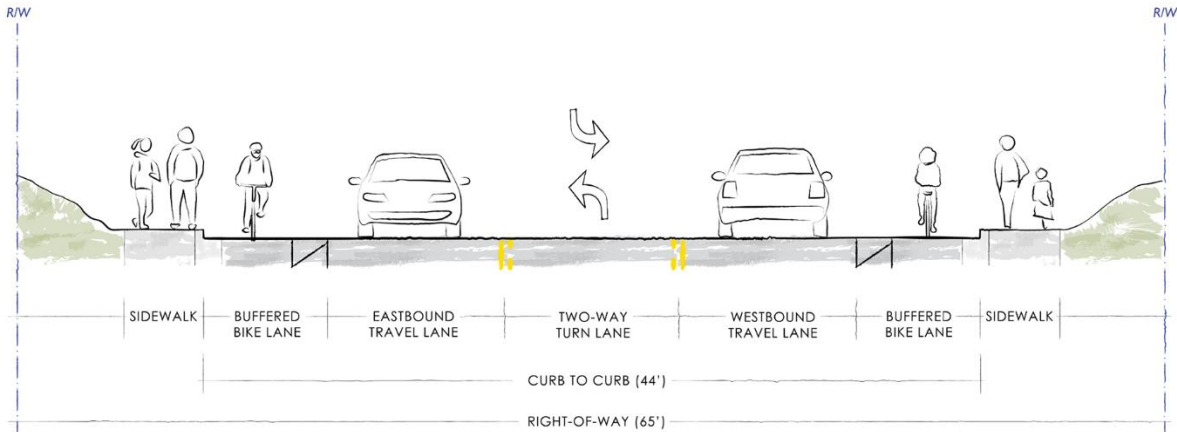
Project Description: The western terminus of this project is about 100 feet from beach access to Leucadia State Beach, also known as Beacons. The sidewalk infill project will create recreational beach access to communities west of the Interstate 5.

The Mobility Element Street Typology identifies Leucadia Boulevard as an Urban Village Collector.

Project Goals: To create pedestrian access to the beach.

Construction Cost	\$1,600,000
Contingency	\$500,000
Engineering	\$450,000
Construction Management	\$550,000
Total Estimated Cost	\$3,100,000 <i>(Does not include bike lanes)</i>

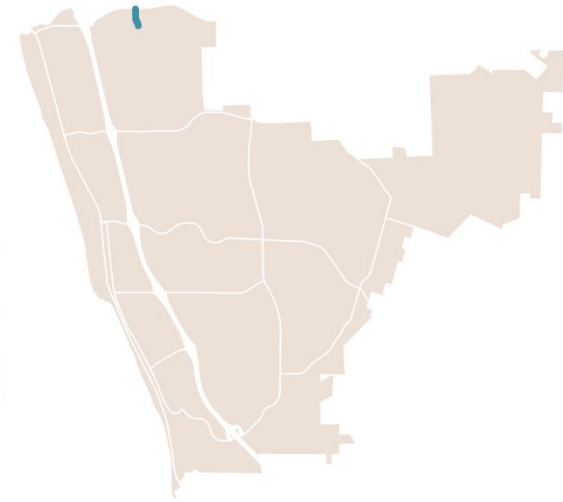
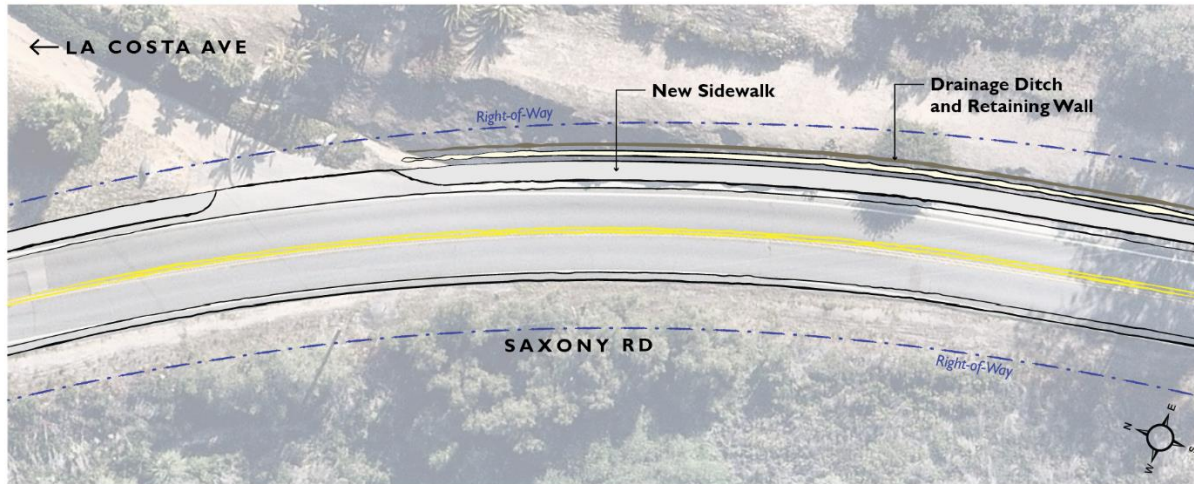
CONCEPTUAL CROSS-SECTION



Extents	Neptune Avenue to Eolus Avenue
Mileage	0.5
Features	Sidewalk Infill
Rank / Score	#1 / 32 points
AIM Score	0.3
GHG Reduction	0.2 Tons
Potential Funding Source(s)	Grants, CIP, General Fund

Pedestrian Project #4 – Saxony Road Sidewalk Infill

CONCEPTUAL PLAN VIEW

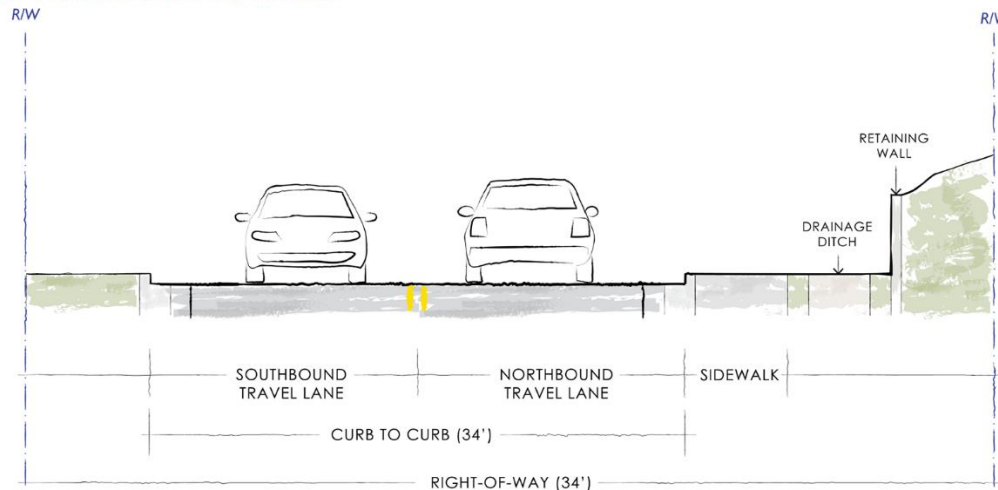


Project Description: This project will add a missing sidewalk on the east side of Saxony Road for approximately 1,000 feet south of La Costa Avenue. La Costa Avenue has sidewalks from the intersection with Saxony Road to just west of Interstate 5, as well as east to the intersection with El Camino Real and beyond. Saxony Road also has a sidewalk which begins at the southern terminus of this project.

The Mobility Element Street Typology identifies Saxony Road as a Suburban Collector.

Project Goals: To fill the missing gap in the sidewalk network.

CONCEPTUAL CROSS-SECTION

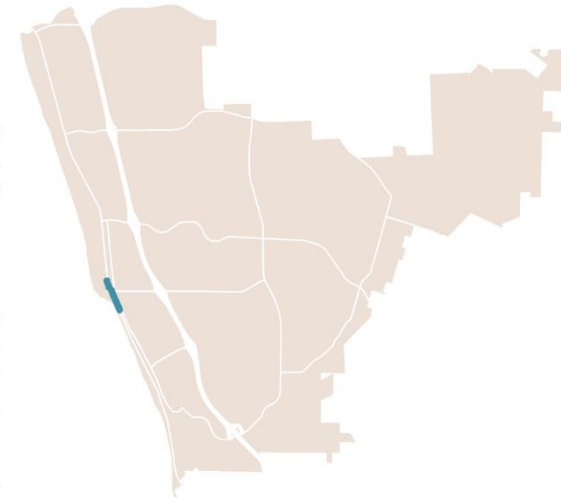
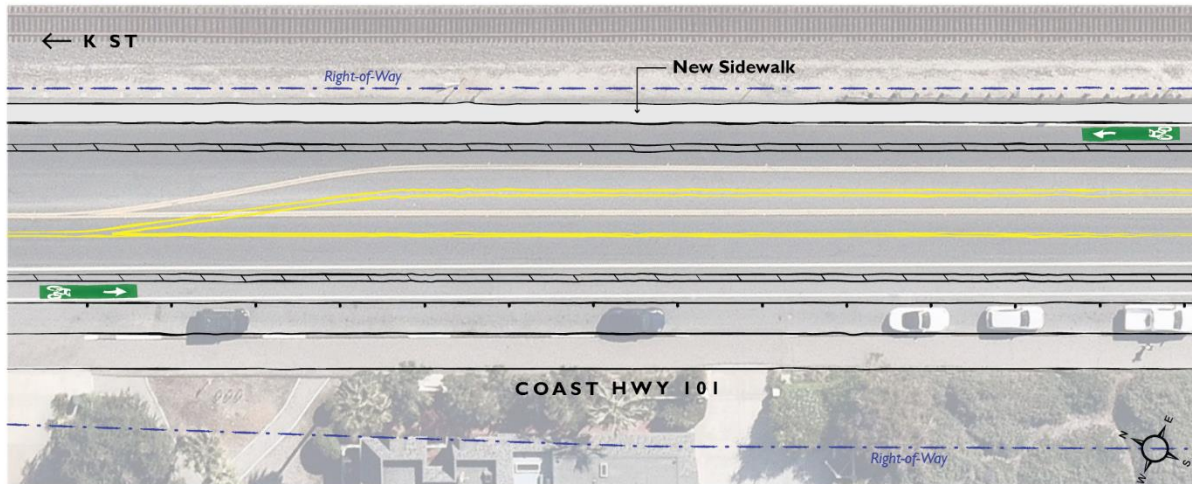


Construction Cost	\$500,000
Contingency	\$150,000
Engineering	\$130,000
Construction Management	\$170,000
Total Estimated Cost	\$950,000

Extents	La Costa Avenue to ~1,000 feet south of La Costa Avenue
Mileage	0.2
Features	Sidewalk Infill
Rank / Score	#2 / 28.5 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund

Pedestrian Project #42 – Coast Highway 101 Sidewalk Infill

CONCEPTUAL PLAN VIEW



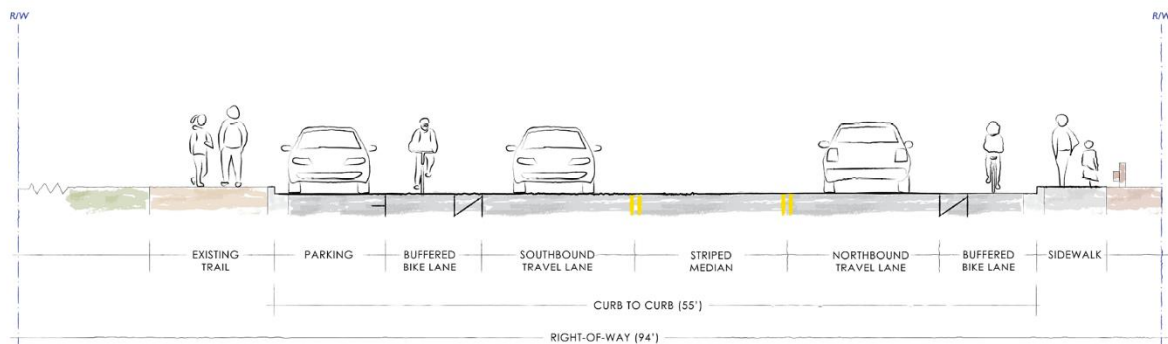
Project Description: The project would fill a missing section of sidewalk in an area of high pedestrian activity.

The Mobility Element Street Typology identifies Coast Highway as an Urban Village Collector.

Project Goals: To fill the missing gap in the sidewalk network in an area that has a high volume of pedestrian activity.

Construction Cost	\$320,000
Contingency	\$90,000
Engineering	\$90,000
Construction Management	\$100,000
Total Estimated Cost	\$600,000

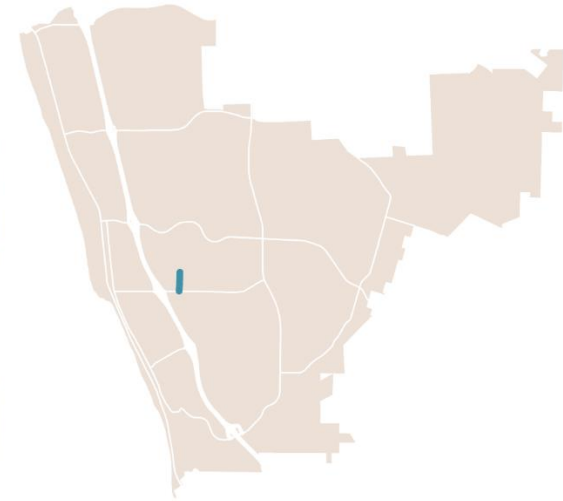
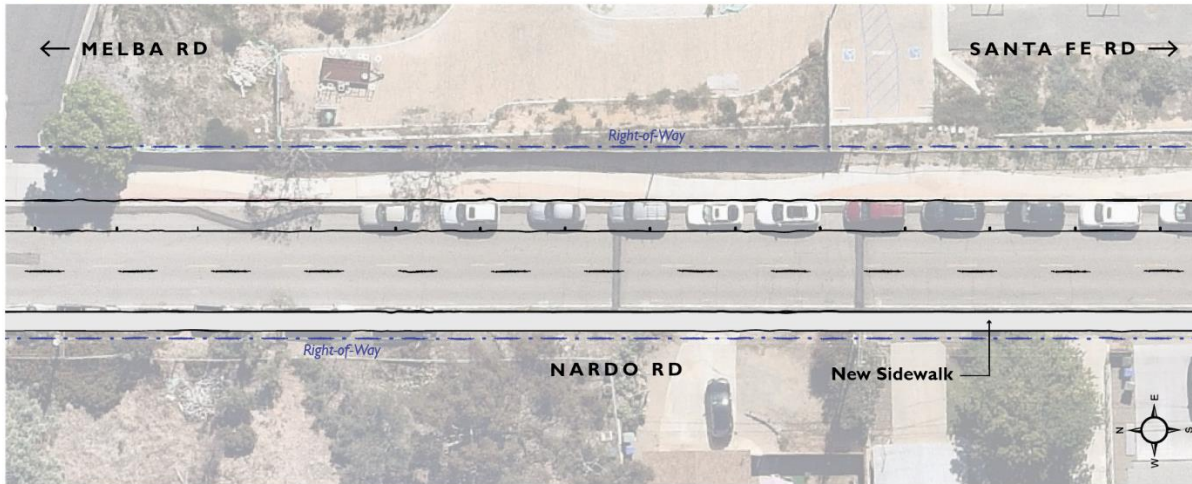
CONCEPTUAL CROSS-SECTION



Extents	J Street to ~1,500 feet south of K Street
Mileage	0.3
Features	Sidewalk Infill
Rank / Score	#3 / 27 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund

Pedestrian Project #45 – Nardo Road Sidewalk Infill

CONCEPTUAL PLAN VIEW



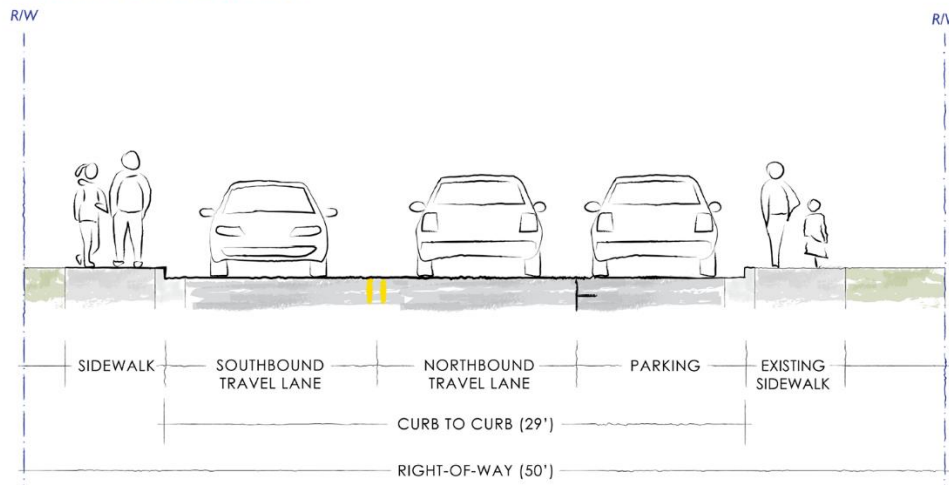
Project Description: The western side of Nardo Road currently does not have a sidewalk. This project would install this missing sidewalk. Given that Nardo Road abuts San Dieguito Academy High School, this is an area with a significant amount of pedestrian activity.

The Mobility Element Street Typology identifies Nardo Road as a Suburban Collector.

Project Goals: To fill the missing gap in the sidewalk network in an area that has a high volume of pedestrian activity.

Construction Cost	\$420,000
Contingency	\$130,000
Engineering	\$110,000
Construction Management	\$140,000
Total Estimated Cost	\$800,000

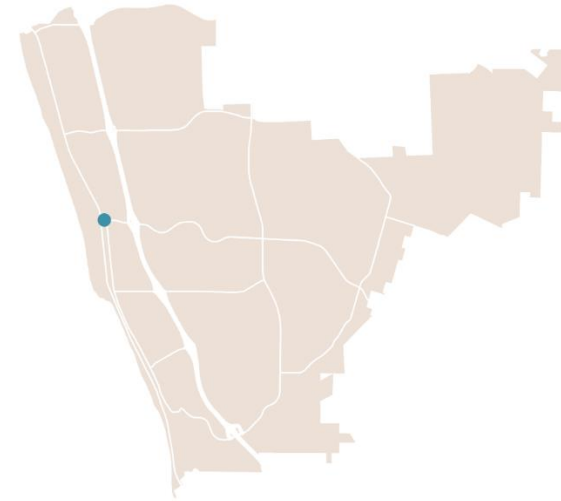
CONCEPTUAL CROSS-SECTION



Extents	Melba Road to Santa Fe Drive
Mileage	0.2
Features	Sidewalk Infill
Rank / Score	#4 / 26 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund

Pedestrian Project #69 – Pedestrian Crossing

CONCEPTUAL PLAN VIEW



Project Description: This project would install a pedestrian crossing at the intersection of Vulcan Avenue/Coast Highway 101 and Encinitas Boulevard.

Project Goals: To create a safer pedestrian crossing.

Construction Cost	\$590,000
Contingency	\$180,000
Engineering	\$160,000
Construction Management	\$190,000
Total Estimated Cost	\$1,120,000

CONCEPTUAL CROSS-SECTION



ALBERTA MOTOR ASSOCIATION



GLOBAL DESIGNING CITIES INITIATIVE

Extents	Vulcan Avenue/Coast Highway 101 to Encinitas Boulevard
Mileage	N/A
Features	Pedestrian Crossing
Rank / Score	#5 / 26 points
AIM Score	N/A
GHG Reduction	N/A
Potential Funding Source(s)	Grants, CIP, General Fund