

Chapter 5 - Trail Development Implementation

5.1 Future trails

The primary goal for identifying future trail projects is to be able to select projects that have the greatest potential for closing gaps in the citywide trail network, the least amount of development impact, and the least amount of resulting maintenance.

Connectivity was identified as a primary goal of the TMP. It is a measure of the increased recreational potential of a trail that provides greater uninterrupted distances and increased transportation usefulness by connecting people to desired locations. From a connectivity standpoint, even small new segments of trail that link two systems to provide extended recreational use or provide a pedestrian connection to a desirable location can vastly increase appeal and usefulness of a trail facility, destination, or system to the public. Desirable destinations include lagoons, beaches, parks, schools, bus stops, train stations, retail centers, landscape features, or cultural sites. Future segments fulfill this need by closing gaps in the current trail system, creating loops and connecting different subareas in Carlsbad with each other, including the three lagoons, open space, and beach areas.

Estimated project cost of each trail segment is based upon historic data gathered from number of trails developed by the Parks & Recreation Department between 2010 and 2015. Construction cost does not include permitting, environmental review or auxiliary trail items such as culverts, special stream crossings, or bridges, which may significantly increase the cost of trail construction. Development of Type 1 Nature Trails depends heavily on the support of the city volunteers in order to keep the construction costs low.

Table 5.1 “Future Trail Development Opportunities” includes segments of proposed trails to enhance pedestrian connectivity, to close trail loops and increase overall user satisfaction.

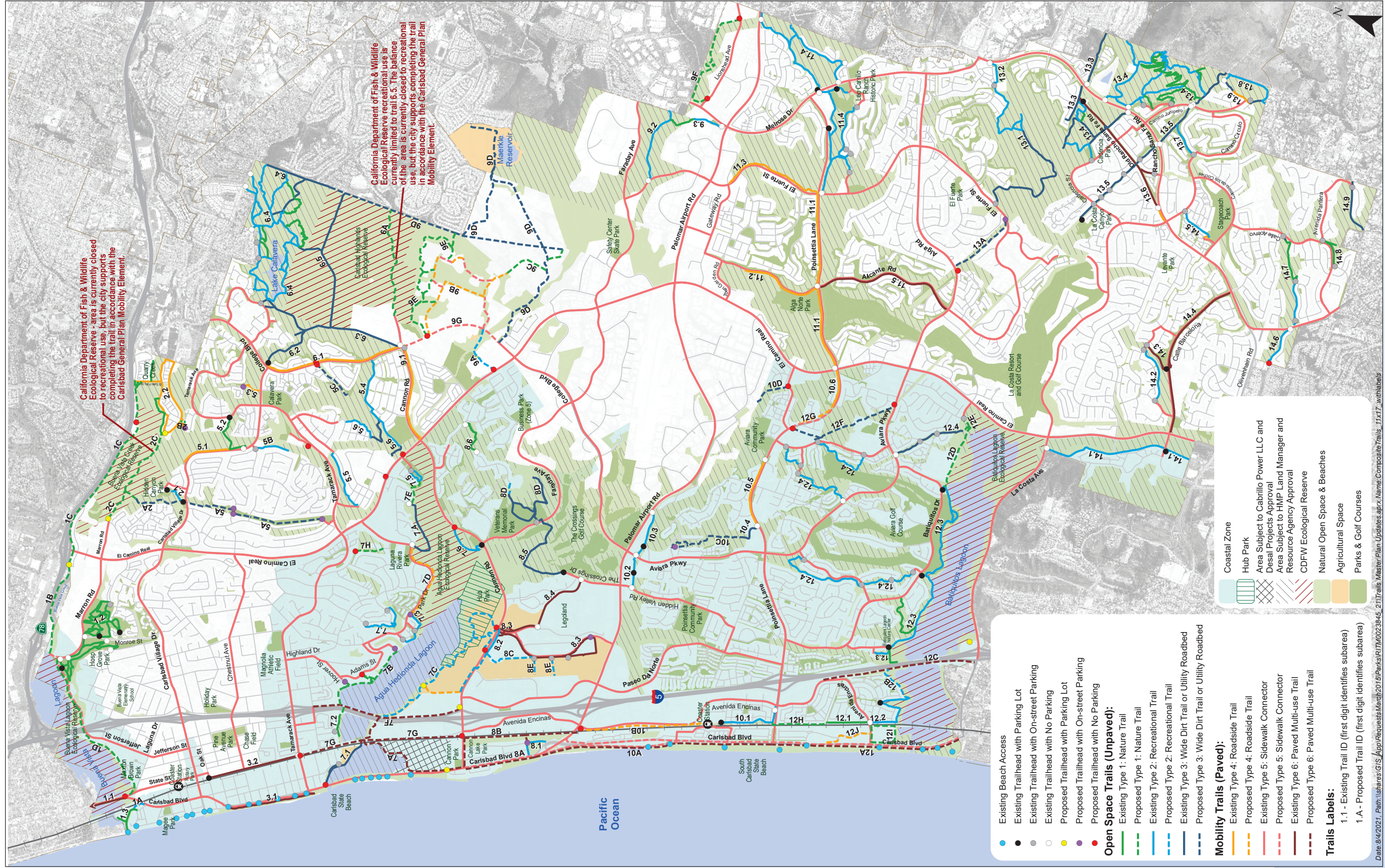
Proposed trail segments are also identified on the Figure 5.1 “Composite of Existing and Proposed Trails”, and shown as dashed lines on the various maps throughout this document. The conceptual components of this map, including trails, are intended to be flexible, and should not be interpreted as depicting precise, rigid alignments. It is anticipated that the alignments of the trails may be adjusted as warranted, as better information becomes available through additional fieldwork, further environmental analysis, more detailed planning, or similar future activities.

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TRAIL SEGMENT ID	TRAIL NAME	LENGTH (MILES)	TRAIL CATEGORY	DEVELOPMENT ENTITY	PROJECT TYPE
1A	CARLSBAD BOULEVAR LAGOON OVERLOOK AREA	0.1	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
1B	HAYMAR ROAD (FROM MARRON ROAD TO EL CAMINO REAL)	0.8	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT OR ROADSIDE ROW; CITY OF OCEANSIDE	IMPROVEMENTS
1C	HAYMAR ROAD (FROM EL CAMINO REAL TO QUARRY CREEK DEVELOPMENT)	1.5	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT OR ROADSIDE ROW	IMPROVEMENTS
1D	BUENA VISTA LAGOON SOUTH SHORE TRAIL	1.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, PRIVATE DEVELOPMENT	NEW CONSTRUCTION
2A	HIDDEN CANYON PARK & NORTH SDG&E UTILITY ROAD	0.4	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
2B	QUARRY CREEK TRAILS (CONNECTION TO THE SIMSBURY COURT)	0.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
2C	BUENA VISTA CREEK ECOLOGICAL RESERVE TRAIL	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	IMPROVEMENTS
5A	SDG&E CORRIDOR (CARLSBAD VILLAGE DRIVE TO TAMARACK AVENUE)	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
5B	VILLAGE H SOUTH (CARLSBAD VILLAGE DRIVE TO TAMARACK AVENUE)	0.5	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS NEW CONSTRUCTION
5C	SDG&E CORRIDOR (CALAVERA HILLS 2)	0.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN UTILITY EASEMENT	IMPROVEMENTS
6A	CARLSBAD HIGHLANDS RESERVE TRAIL	0.9	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	IMPROVEMENTS
7A	COASTAL CORRIDOR (CANNON PARK TO ENCINAS POWER STATION)	1.2	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7B	NORTH SHORE AGUA HEDIONDA LAGOON TRAIL (I-5 TO COVE DRIVE)	1.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
7C	SOUTH SHORE AGUA HEDIONDA LAGOON TRAILS	2.4	OPEN SPACE	PRIVATE DEVELOPMENT; CITY OF CARLSBAD	NEW CONSTRUCTION
7D	PARK DRIVE TRAIL	0.7	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7E	HALLMARK EAST TRAIL (CONNECTING TO KELLY TRAIL)	0.2	OPEN SPACE	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE; CALTRANS (PUBLIC); AHLF; CITY OF CARLSBAD	IMPROVEMENTS
7F	I-5 NORTH COAST BIKE TRAIL (CHINQUAPIN TO CANNON ROAD)	1.1	MOBILITY	CALTRANS (PUBLIC)	NEW CONSTRUCTION
7G	COASTAL RAIL TRAIL (TAMARACK AVENUE TO CANNON ROAD) REACH 3	1.2	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7H	SHAYAN PROPERTY TRAIL (HIGH RIDGE AVENUE TO AURA CIRCLE)	0.2	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
8A	COASTAL CORRIDOR TRAIL (CANNON ROAD TO PALOMAR AIRPORT ROAD)	0.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
8B	COASTAL RAIL TRAIL (CANNON ROAD TO PALOMAR AIRPORT ROAD) REACH 4	0.9	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
8C	FLORAL TRADE CENTER TRAIL	0.6	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
8D	OCEAN VIEW POINT TRAIL (CONNECTION TO VETERANS MEMORIAL PARK)	0.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
8E	CARLSBAD RANCH	0.3	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9A	SUNNY CREEK ROAD	0.4	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9B	CANTARINI/ HOLLY SPRINGS	2.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9C	KATO TRAIL	0.5	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9D	UTILITY PIPE LINE TRAIL	4.7	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
9E	CANTARINI/HOLLY SPRINGS OPEN SPACE TRAILS	1.8	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9F	CARLSBAD RACEWAY PARK	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
9G	COLLEGE BOULEVARD	0.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
10A	COASTAL CORRIDOR TRAIL (PALOMAR AIRPORT ROAD TO POINSETTIA LANE)	1.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
10B	COASTAL RAIL TRAIL (PALOMAR AIRPORT ROAD TO POINSETTIA COASTER STATION) REACH 5	1.0	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
10C	SDG&E UTILITY ROAD (PLUM TREE COURT TO POINSETTIA LANE)	0.8	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
10D	SDG&E UTILITY ROAD (CASSIA ROAD TO CAMINO VIDA ROBLE)	0.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
12A	COASTAL CORRIDOR TRAIL (POINSETTIA LANE TO LA COSTA AVENUE)	1.4	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
12B	ROSALENA TRAIL (NORTH SHORE OF BATIQUITOS LAGOON, NEAR NAVIGATOR CIRCLE TO I-5)	0.3	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
12C	I-5 NORTH COAST BIKE TRAIL (LA COSTA AVENUE TO AVENIDA ENCINAS)	1.2	MOBILITY	CALTRANS (PUBLIC)	NEW CONSTRUCTION
12D	BATIQUITOS LAGOON EXTENSION (BATIQUITOS DRIVE TO ARENAL DRIVE)	0.5	OPEN SPACE	BATIQUITOS LAGOON FOUNDATION	NEW CONSTRUCTION
12E	BATIQUITOS LAGOON TRAIL (CHOLLA POINT TO ARENAL DRIVE)	0.2	OPEN SPACE	CITY OF CARLSBAD	NEW CONSTRUCTION
12F	SDG&E UTILITY ROAD (POINSETTIA LANE TO AVIARA PARKWAY)	0.9	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
12G	POINSETTIA LANE/ POINSETTIA 61	0.8	MOBILITY	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
12H	LAKESHORE GARDENS	0.4	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING EASEMENT (NTCD)	NEW CONSTRUCTION
12I	SOUTH PONTO TRAIL	0.6	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
12J	PONTO DRIVE TRAIL	0.4	MOBILITY	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
13A	SDG&E UTILITY ROAD (ALGA ROAD TO EL FUERTE STREET)	0.5	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
TOTAL MILEAGE OF ALL PROPOSED TRAILS		41.0			

Table 5.1 Future Trail Development Opportunities

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Date: 8/4/2021, Path: \\shares\GIS\Apps\Requests\March2015\Parks\TR\TM0023945_21\Trails Master Plan Updates.aprx, Name: Composite Trails_11x17_withlabels

Figure 5.18: Composite of Existing & Proposed Trails

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Trail Segment 1A: Carlsbad Boulevard Lagoon Overlook Area

Subarea: 1

Quadrant: NW

Trail Category: Open Space

Trail Type: 2

Length: 0.1 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

This is a short recreational connector leading towards the Buena Vista Lagoon overlook area and to the existing beach access. It is located in the important north-south corridor between City of Oceanside and City of Carlsbad, near Maxton Brown Park and Reach 1 Coastal Rail Trail. Improvements cost includes decomposed granite surface, trail edging, benches and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Cost of fence shall be added if required. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

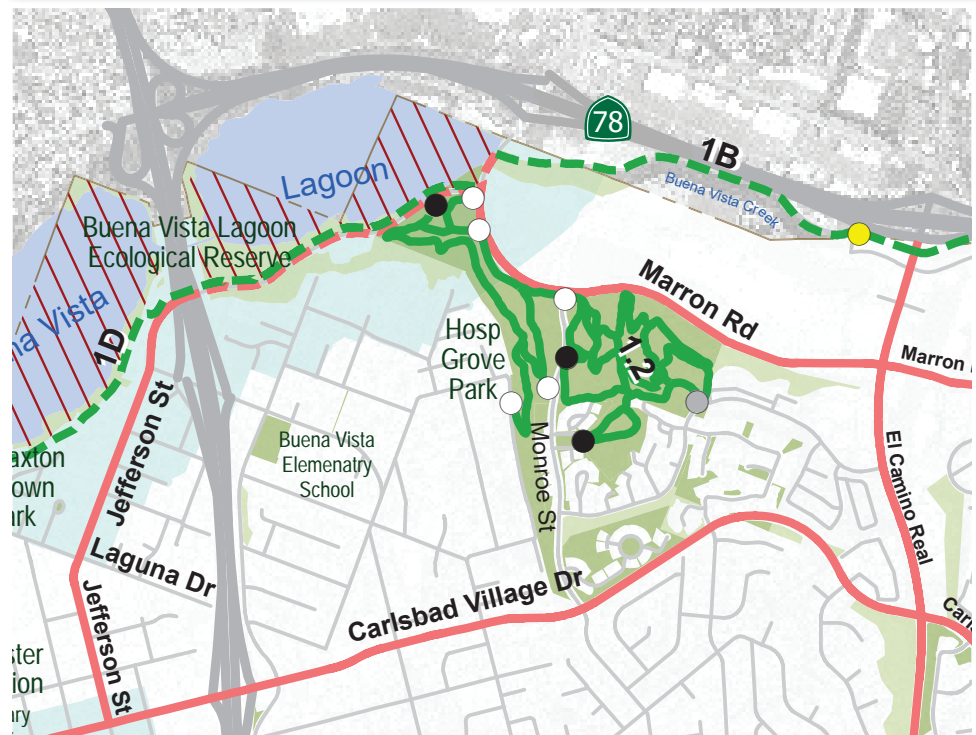
Estimated Project Cost:

\$30,000

Trail Segment 1B:

Haymar Road (from Marron Road to El Camino Real)

Subarea: 1
Quadrant: NW
Trail Category: Open Space
Trail Type: 1
Length: 0.8 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2022



Project Description

Haymar Road four-foot wide nature trail is proposed along the Buena Vista Creek and Highway 78. Part of the proposed trail lies within the City of Oceanside boundaries. Collaboration between cities will be required in order to develop this trail. The trail will be located within existing utility easement or roadside right of way. Improvement cost includes decomposed granite surface and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost. Development of this trail should be considered with development of the Segment 2C in order to provide responsible passive recreation through Buena Vista Creek Ecological Reserve.

Estimated Project Cost:
\$40,000

Trail Segment 1C:

Haymar Road (from to El Camino Real to Quarry Creek Development)

Subarea: 1

Quadrant: NW

Trail Category: Open Space

Trail Type: 1

Length: 1.5 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2022



Project Description

This segment of the Haymar Road nature trail is proposed between Highway 78 and the Buena Vista Creek Ecological Reserve, and runs along the boundary of the California Department of Fish and Wildlife land. The trail will be located within the existing utility easement or roadside right of way. Improvement cost includes decomposed granite surface and basic trail-head amenities such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Trail development is a subject to resource agency permitting and approval. Environmental review, agency permitting, and mitigation is not included in the estimated project cost. Development of this trail should be considered with development of the Segment 2C in order to provide responsible passive recreation through Buena Vista Creek Ecological Reserve.

Estimated Project Cost:

\$95,000

Trail Segment 1D:

Buena Vista Lagoon South Shore Trail

Subarea: 1

Quadrant: NW

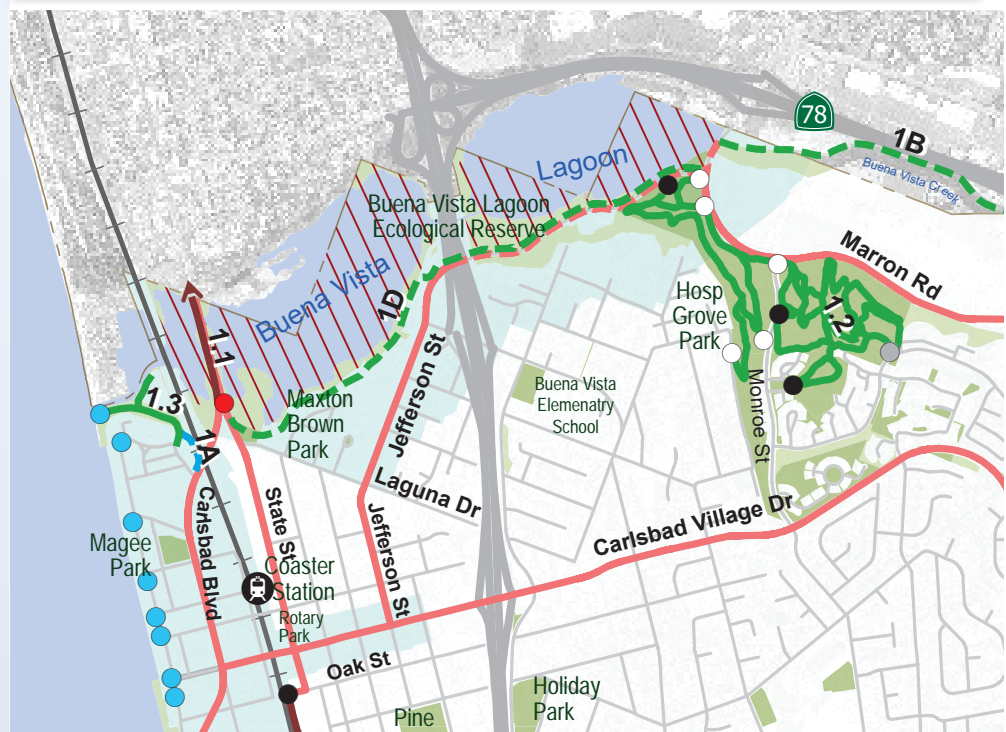
Trail Category: Open Space

Trail Type: 1

Length: 1.3 mile

Development Entity: City of Carlsbad, California Department of Fish & Wildlife, Private Development

Estimated Implementation: 2030



Project Description

This nature trail is proposed on the top bluff of the Buena Vista Lagoon's south shore, and is consistent with the Local Coastal Program which requires a public access in the coastal zone. Improvement cost includes decomposed granite surface and basic trail-head amenities such as trail ID and trail regulation signs, dog station and trash receptacle. Development of this trail and actual alignment is tentative, pending California Coastal Commission and California Department of Fish & Wildlife regulations and necessary environmental review. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$100,000

Trail Segment 2A:

Hidden Canyon Park & North SDG&E Utility Road

Subarea: 2

Quadrant: NE

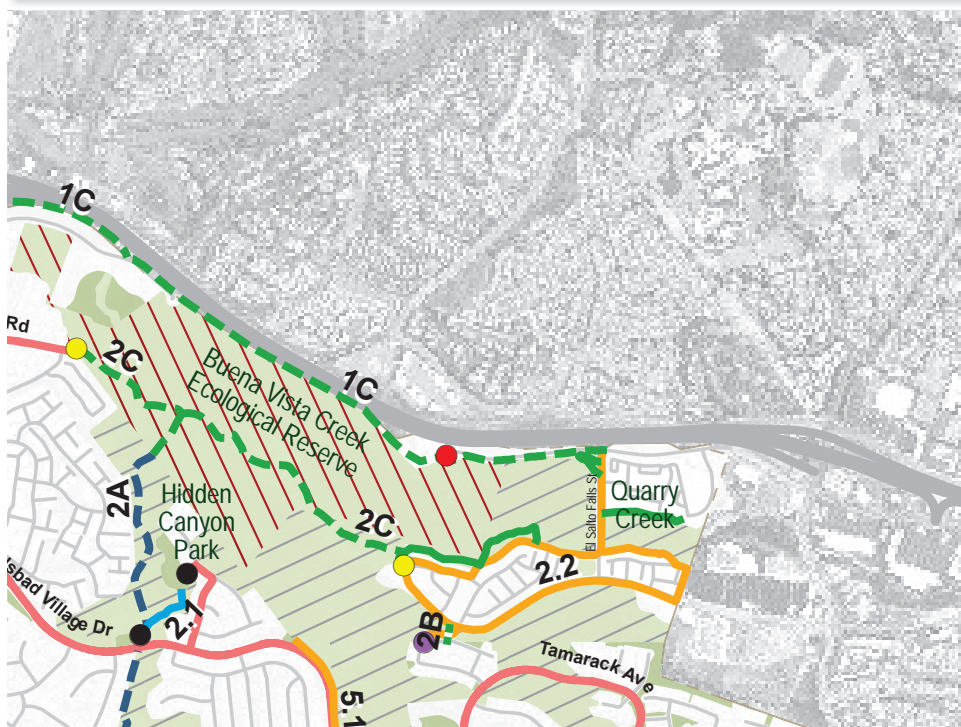
Trail Category: Open Space

Trail Type: 3

Length: 0.4 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2022



Project Description

The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Improvements may include trail repairs, erosion control, additional Class 2 road base, and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Cost also includes administrative time necessary to incorporate the trail into the citywide network. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost. Development of this trail should be considered with development of the Segment 2C in order to provide responsible passive connectivity through Buena Vista Creek Ecological Reserve.

Estimated Project Cost:

\$10,000

Trail Segment 2B:

Quarry Creek Trail (connection to Simsbury Court)

Subarea: 2

Quadrant: NW

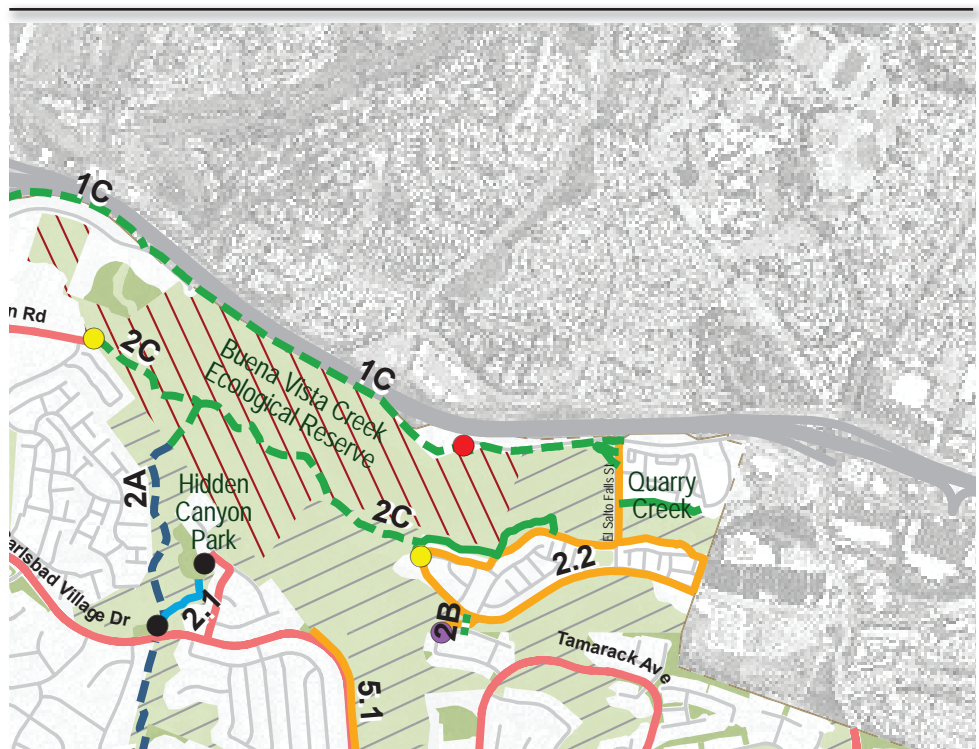
Trail Category: Open Space

Trail Type: 1

Length: 0.1 mile

Development Entity: Private Development

Estimated Implementation: 2019



Project Description

Quarry Creek Development nature trail is part of the private, master planned housing development. Assumed project is conditioned by private development and environmental permit required to construct the trail.

Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 2C:

Buena Vista Creek Ecological Reserve Trail

Subarea: 2

Quadrant: NW

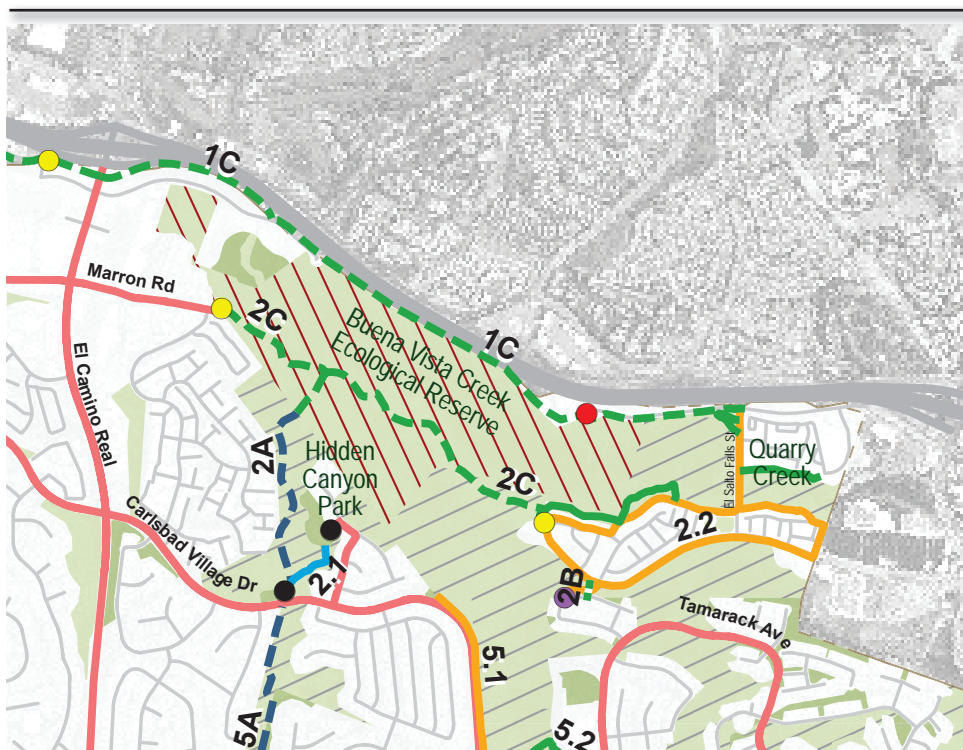
Trail Category: Open Space

Trail Type: 1

Length: 1.0 mile

Development Entity: City of Carlsbad, California Department of Fish & Wildlife

Estimated Implementation: FY 2022



Project Description

Recreational use in the CDFW Buena Vista Creek Ecological Reserve is currently not allowed, but the city supports completing the trail in accordance with the Carlsbad General Plan Mobility Element. Proposed nature trail 2C will begin at the current terminus of Marron Rd and extend eastward to the city's eastern boundary. Development of this trail and actual alignment is tentative, pending CDFW regulation review and necessary environmental review. Improvements may include trail repairs, erosion control, fencing where needed to protect existing habitat, and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

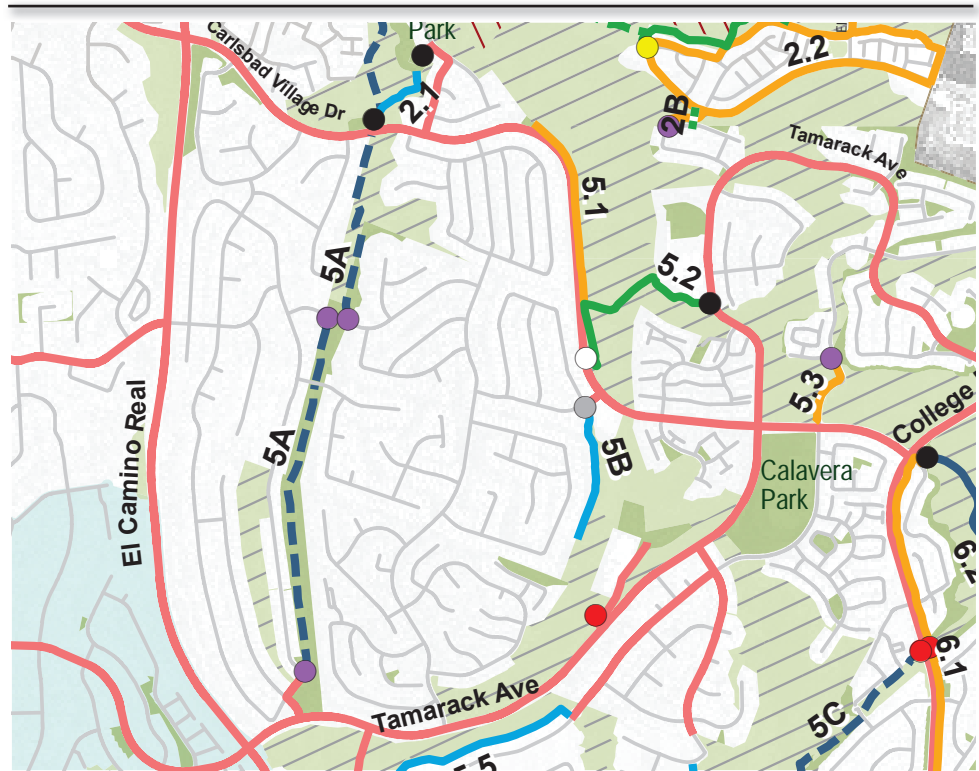
Estimated Project Cost:

\$76,000

Trail Segment 5A:

SDG&E Corridor (Carlsbad Village Drive to Tamarack Avenue)

Subarea: 5
Quadrant: NE
Trail Category: Open Space
Trail Type: 3
Length: 1.0 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2019



Project Description

The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control, minor grading, additional Class 2 road base, and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Cost also induces administrative time necessary to incorporate the trail into the citywide network. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$20,000

Trail Segment 5B:

Village H South (Carlsbad Village Drive to Tamarack Avenue)

Subarea: 5

Quadrant: NE

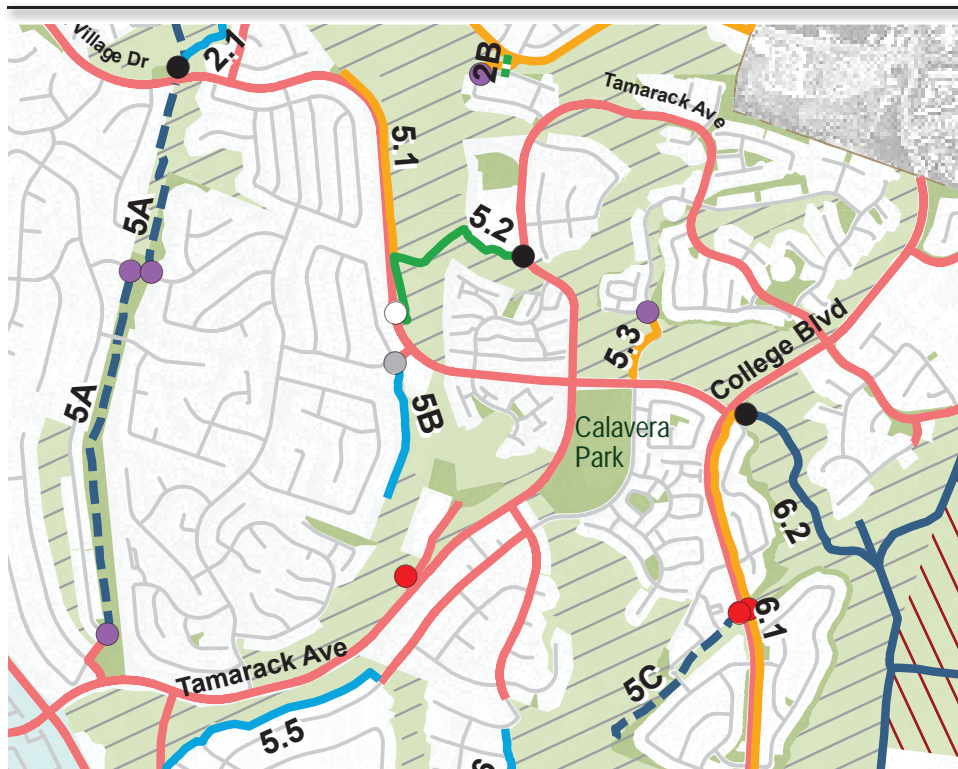
Trail Category: Open Space

Trail Type: 2

Length: 0.5 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2019/2023



Project Description

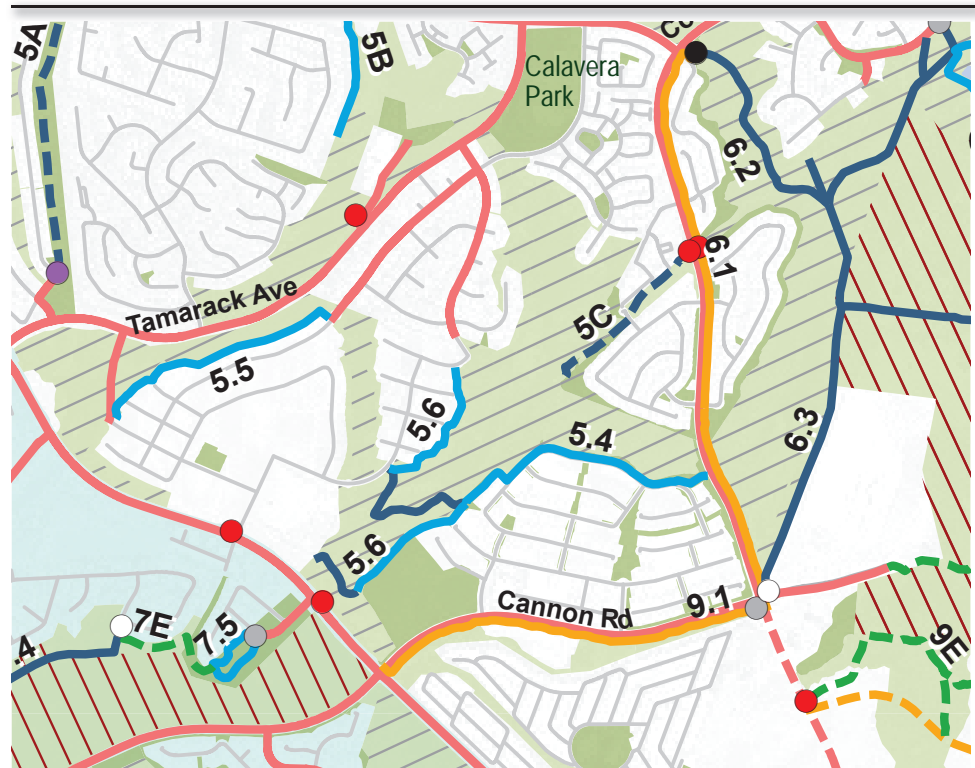
Village H South Trail is a recreational trail up to 8-foot wide closing the loop connecting Calavera Hills Community Park, Hope Elementary and residential neighborhoods of Village H. Improvements cost includes decomposed granite surface, trail delineation and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Part of the trail from Victoria Avenue going south will be open to the public upon completion of a land transfer to the City of Carlsbad and needed improvement work. Part of the trail connecting to Tamarack Avenue is on sloped terrain and will require further environmental analysis. This part of the trail will be developed in a later phase. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$75,000

Trail Segment 5C: SDG&E Corridor (Calavera Hills 2)

Subarea: 5
Quadrant: NE
Trail Category: Open Space
Trail Type: 3
Length: 0.3 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2019



Project Description

The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Cost also includes administrative time necessary to incorporate the trail into the citywide network. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:
\$10,000

Trail Segment 6A: Carlsbad Highlands Reserve

Subarea: 6

Quadrant: NE

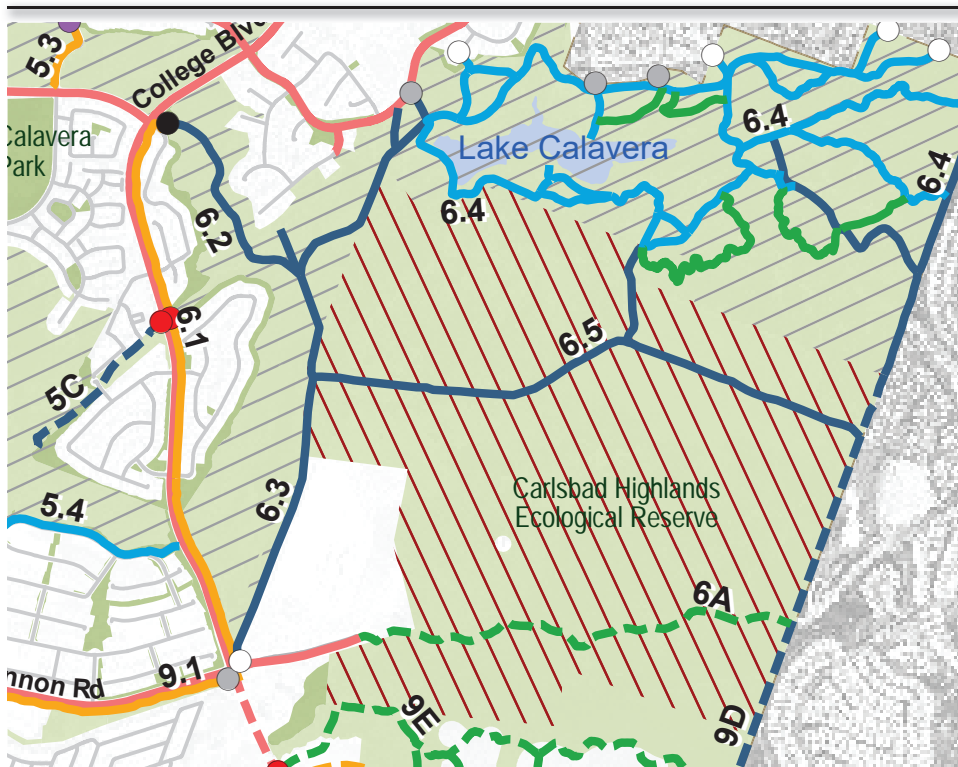
Trail Category: Open Space

Trail Type: 1

Length: 0.9 mile

Development Entity: City of Carlsbad, California Department of Fish & Wildlife

Estimated Implementation: 2030



Project Description

Recreational use in the CDFW Highlands Ecological Reserve is currently limited to existing segment 6.5. The balance of the area is currently closed to recreational use, but city supports completing the trail in accordance with the Carlsbad General Plan Mobility Element. Proposed nature trail 6A is an important link providing West-East connection from Cannon Road at Sage Creek High School to the City of Oceanside. Development of this trail and actual alignment is tentative, pending CDFW regulation review and necessary environmental review. Improvements may include trail repairs, erosion control, fencing where needed to protect existing habitat, and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$80,000

Trail Segment 7A:

Coastal Corridor (Cannon Park to Encinas Power Station)

Subarea: 7

Quadrant: NW

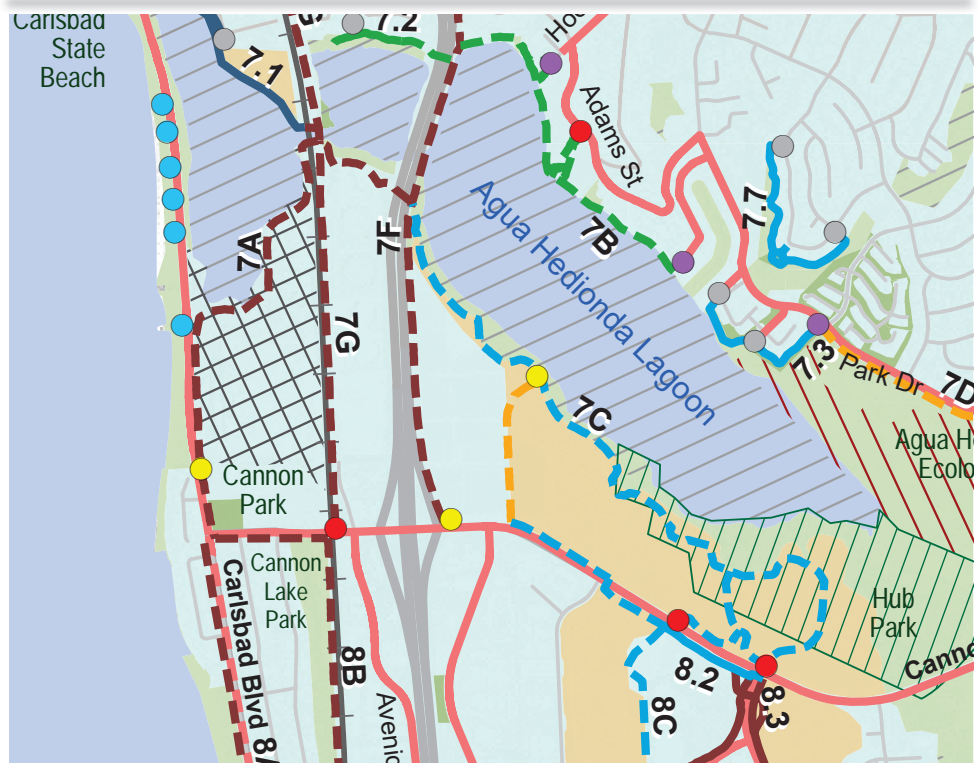
Trail Category: Mobility

Trail Type: 6

Length: 1.2 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2025



Project Description

The City of Carlsbad is working on a number of initiatives to make it easier and safer to get to the beach and travel along Carlsbad Boulevard (Highway 101), whether by car, on a bike or by foot.

Improvement cost includes paving, lighting, landscape buffers, irrigation, fencing, public art and trail-head amenities. Trail specific environmental review shall be part of trail design and development.

Estimated Project Cost:

\$2.5 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 7B:

North Shore Agua Hedionda Lagoon Trail (I-5 to Cove Drive)

Subarea: 7

Quadrant: NW

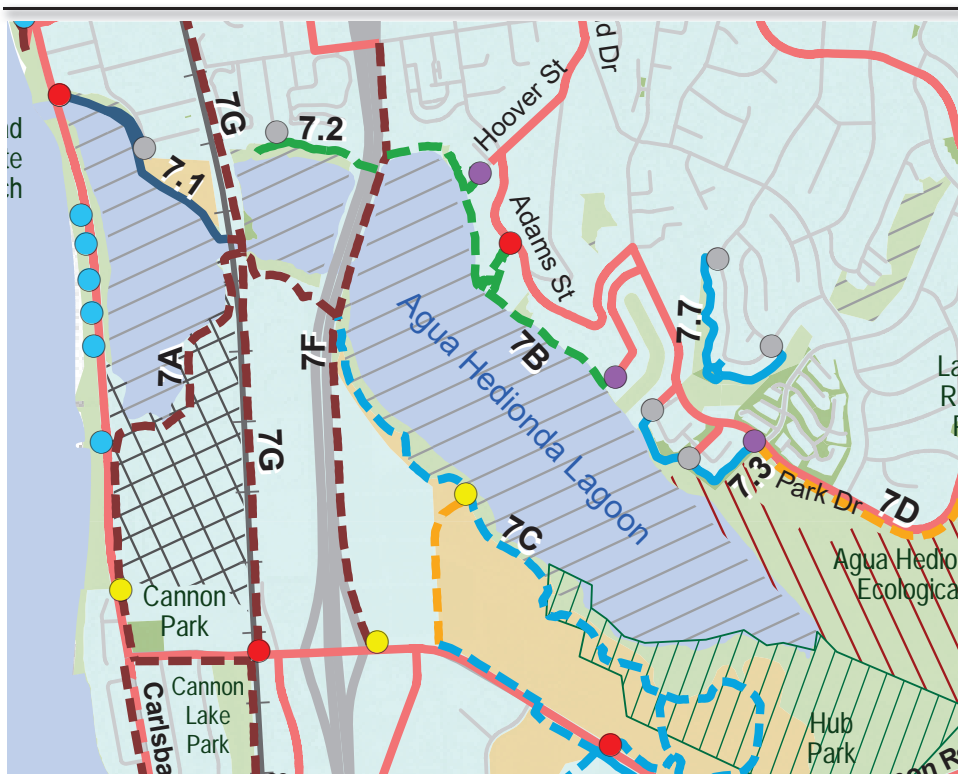
Trail Category: Open Space

Trail Type: 1

Length: 1.1 mile

Development Entity: Private Development

Estimated Implementation: 2030



Project Description

This four-foot wide nature trail will allow users to enjoy the water front of the Agua Hedionda Lagoon north shore. Assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 7C:

South Shore Agua Hedionda Lagoon Trail (I-5 to Agua Hedionda Lagoon Discovery Center)

Subarea: 7

Quadrant: NW

Trail Category: Mobility

Trail Type: 2, 4

Length: 2.4 mile

Development Entity: Private Development/City of Carlsbad

Estimated Implementation: 2022



Project Description

Proposed eight-foot wide recreational trail will lead from I-5 new bridge crossing to the top bluff of the lagoon. It will loop around the Strawberry Fields and open space, providing connection to the south side of Cannon Road through existing underpasses. Trail segment within Hub Park lease area may be developed by the City of Carlsbad. Segment outside Hub Park will be conditioned by private development and environmental permit required to construct the trail. Agreements and trails development is a subject to review and approval of SDG&E. Improvements cost includes decomposed granite surface, trail edging and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle for public trails on Hub Park Lease area. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$450,000 - trail within Hub Park that may be developed by the City of Carlsbad

Trail Segment 7D:

Park Drive Trail

Subarea: 7

Quadrant: NW

Trail Category: Mobility

Trail Type: 4

Length: 0.7 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2019



Project Description

This roadside trail will be constructed as part of the CATS program. It will provide a connection from Kelly Trail to Laguna Riviera Park, and westward to segment 7.3. Improvements cost includes decomposed granite surface, trail-head amenities, such as signage and pet stations. Trail specific environmental review shall be part of trail design and development.

Estimated Project Cost:

\$1,686,000 (per CATS) - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 7E: Hallmark East Trail

Subarea: 7

Quadrant: NW

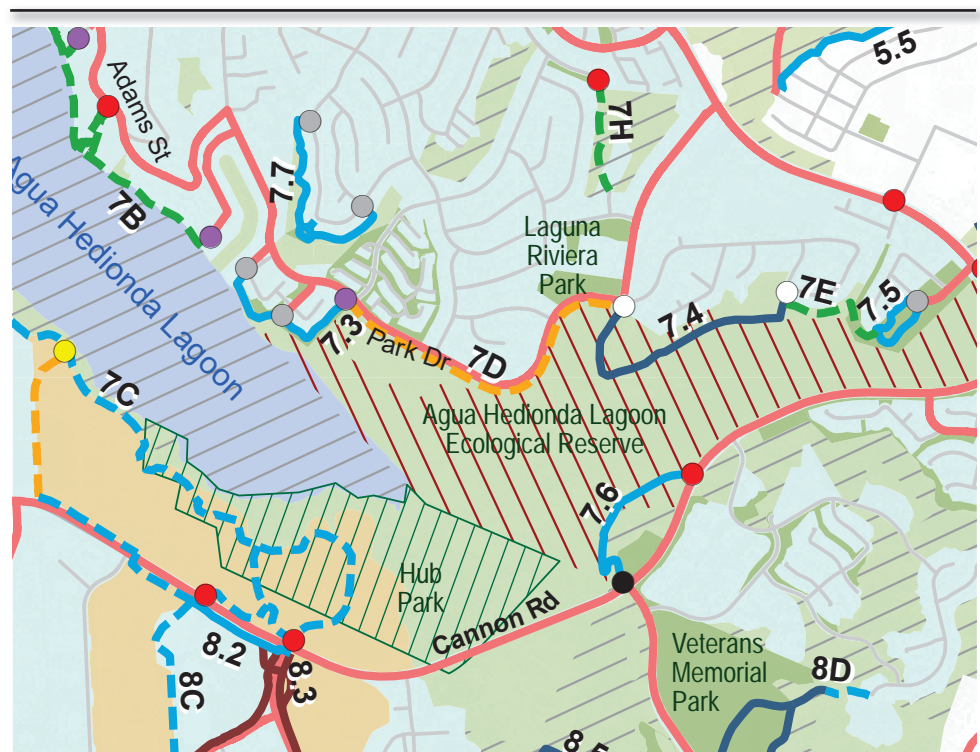
Trail Category: Open Space

Trail Type: 1

Length: 0.2 mile

Development Entity: California Department of Fish & Wildlife; Caltrans; Agua Hedionda Lagoon Foundation; City of Carlsbad

Estimated Implementation: 2025



Project Description

This is a collaborative effort of the public agencies and a non-profit organization to provide users with the opportunity to enjoy the lush environment of the lagoon wetland habitat. It is also a link in the lagoon north shore continuous trail system. Improvements cost includes native soil surface trail, and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$50,000

Trail Segment 7F:

I-5 North Coast Bike Trail (Chinquapin Avenue to Cannon Road)

Subarea: 7

Quadrant: NW

Trail Category: Mobility

Trail Type: 6

Length: 1.1 mile

Development Entity: Caltrans

Estimated Implementation: 2020



Project Description

As part of the I-5 widening project, a bike trail is proposed through the Agua Hedionda Lagoon, connecting the south and north shore.

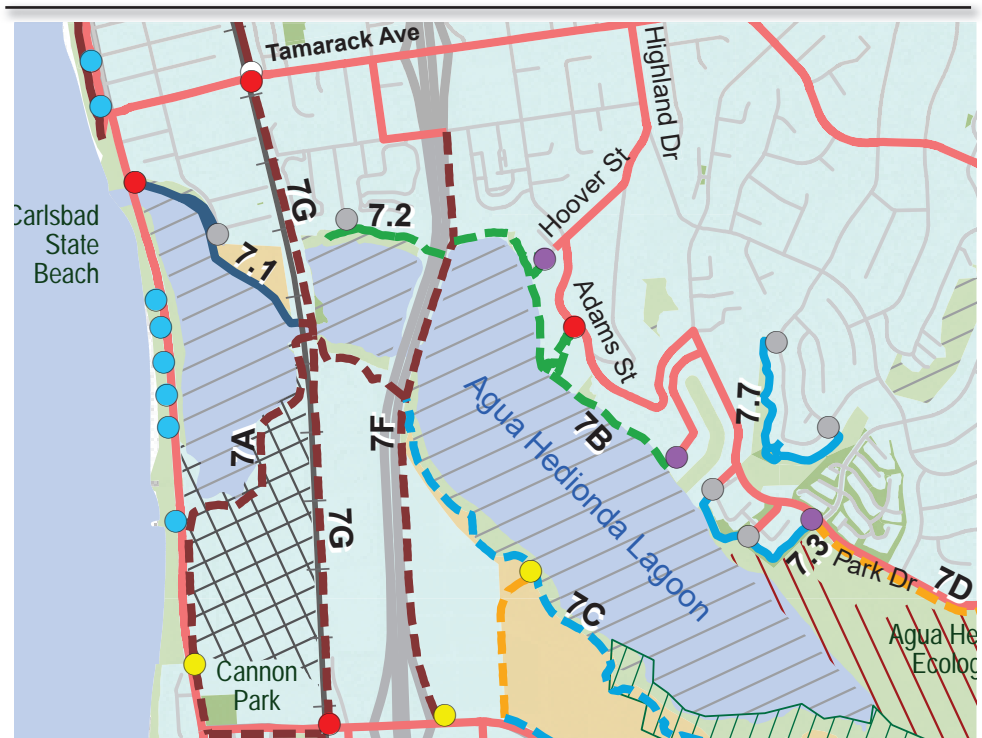
Estimated Project Cost:

Caltrans Public Works (PWP)

Trail Segment 7G:

Coastal Rail Trail (Tamarack Avenue to Cannon Road - Reach 3)

Subarea: 7
Quadrant: NW
Trail Category: Mobility
Trail Type: 6
Length: 1.2 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2020



Project Description

Reach 3 is part of a much longer trail that will eventually connect all the San Diego County coastal cities, from Camp Pendleton in the north all the way down to the Mexican border. Not all segments of the trail lie alongside the railroad; in some areas, the trail traverses city bike lanes and sidewalks as close to the railroad right of way as possible. Improvement cost includes paving, lighting, landscape buffers, irrigation, fencing, public art and trail-head amenities. Environmental review, agency permitting, and mitigation is included in the estimated project cost.

Estimated Project Cost:

\$3 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Notes

Alignment is subject to change and move out of railroad right of way depending on entitlements negotiated as part of Encina Power Station project. This segment may be eliminated if public trail easement is granted for Segment 7A.

Trail Segment 7H:

Shayan Property Trail (High Ridge Avenue to Aura Circle)

Subarea: 7

Quadrant: NW

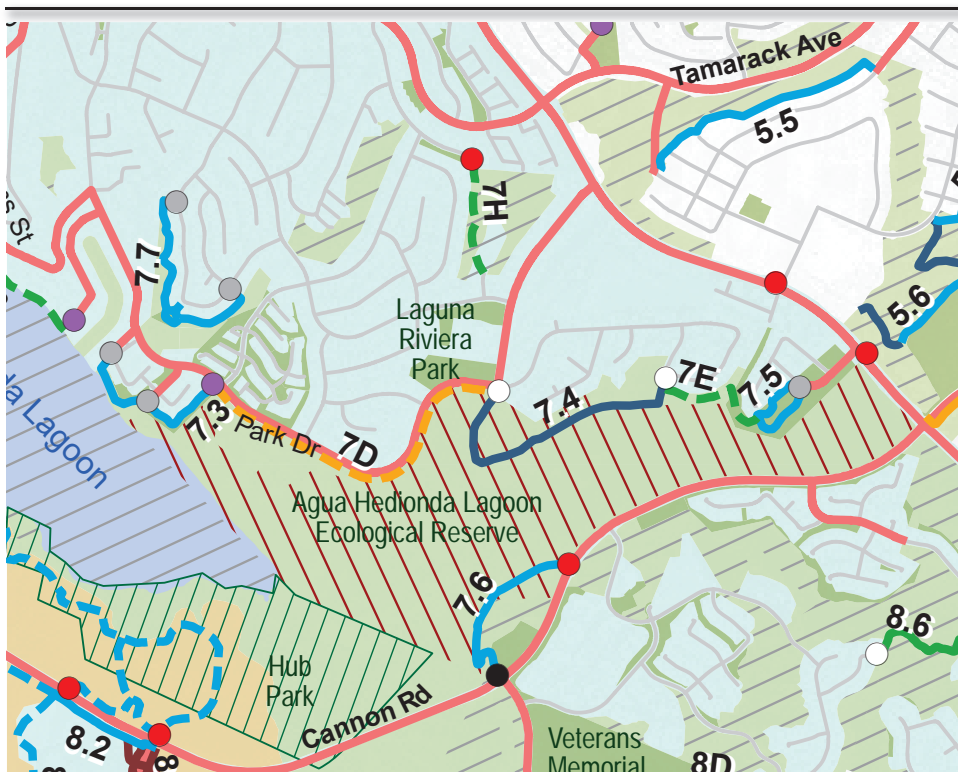
Trail Category: Open Space

Trail Type: 1

Length: 0.2 mile

Development Entity: Private Development

Estimated Implementation: 2025



Project Description

This is a four-foot wide nature trail connecting residential communities to Kelly Elementary School, providing safer route of travel for students through open space. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 8A:

Coastal Corridor Trail (Cannon Road to Palomar Airport Road)

Subarea: 8

Quadrant: NW

Trail Category: Mobility

Trail Type: 6

Length: 0.8 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

The City of Carlsbad is working on a number of initiatives to make it easier and safer to get to the beach and travel along Carlsbad Boulevard (Highway 101), whether by car, on a bike or by foot. Project is part of the CATS and proposes to shift the southbound Carlsbad Boulevard between Cannon Road and Batiq-uitos Lagoon, thereby creating surplus right-of-way and pavement located west of Carlsbad Boulevard. Improvement cost includes paving, lighting, landscape buffers, public art and trail-head amenities. Environmental review, agency per- mitting, and mitigation is included in the estimated project cost.

Estimated Project Cost:

\$3 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 8B:

Coastal Rail Trail (Cannon Road to Palomar Airport Road - Reach 4)

Subarea: 8

Quadrant: NW

Trail Category: Mobility

Trail Type: 6

Length: 0.9 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2025



Project Description

Reach 4 is part of a much longer trail that will eventually connect all the San Diego County coastal cities, from Camp Pendleton in the north all the way down to the Mexican border. Not all segments of the trail lie alongside the railroad; in some areas, the trail traverses city bike lanes and sidewalks as close to the railroad right of way as possible. Cost includes paving, lighting, landscape buffers, irrigation, fencing, public art and trail-head amenities. Environmental review, agency permitting, and mitigation is included in the estimated project cost.

Estimated Project Cost:

\$3,590,625 - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 8C: Floral Trade Center Trail

Subarea: 8
Quadrant: NW
Trail Category: Open Space
Trail Type: 2
Length: 0.6 mile
Development Entity: Private Development
Estimated Implementation: 2020



Project Description

This eight-foot wide recreational trail will lead through the bluff above the Outlet Mall and Flower Fields with a panoramic view to the ocean. It will connect Armada Drive and Legoland trails with Agua Hedionda Lagoon through a tunnel under Cannon Road. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 8D:

Ocean View Point (connection to Veterans' Park)

Subarea: 8

Quadrant: NW

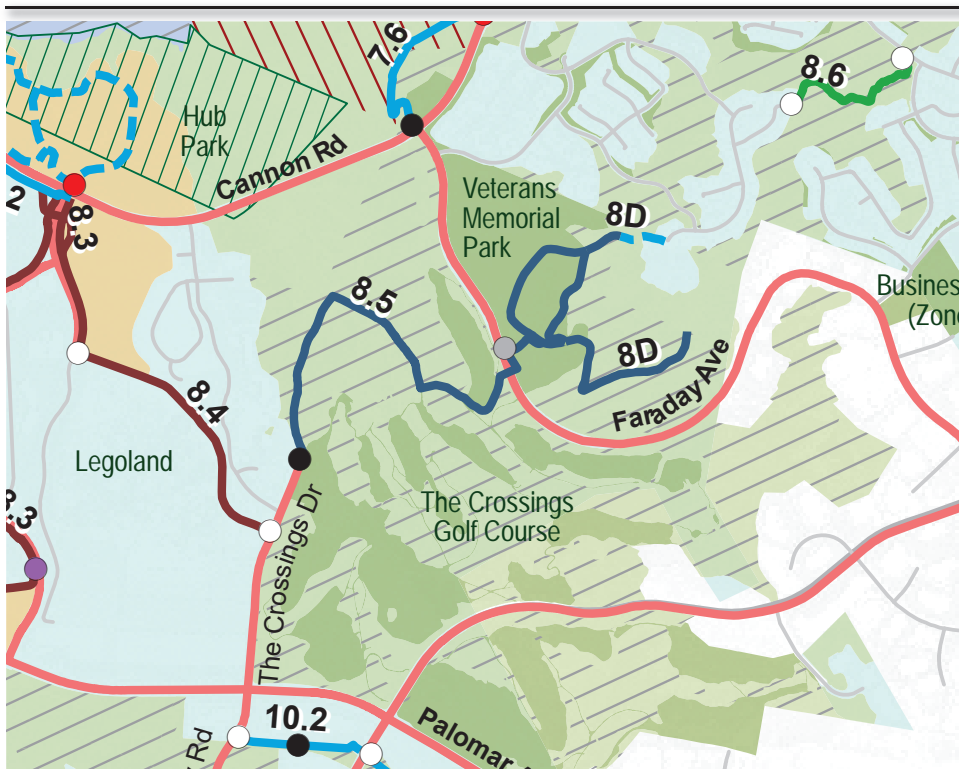
Trail Category: Open Space

Trail Type: 2

Length: 0.1 mile

Development Entity: Private Development

Estimated Implementation: 2020



Project Description

This 8-foot wide recreational segment will complete the loop around the open space surrounding Veterans' Memorial Park and Kelly Ranch. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

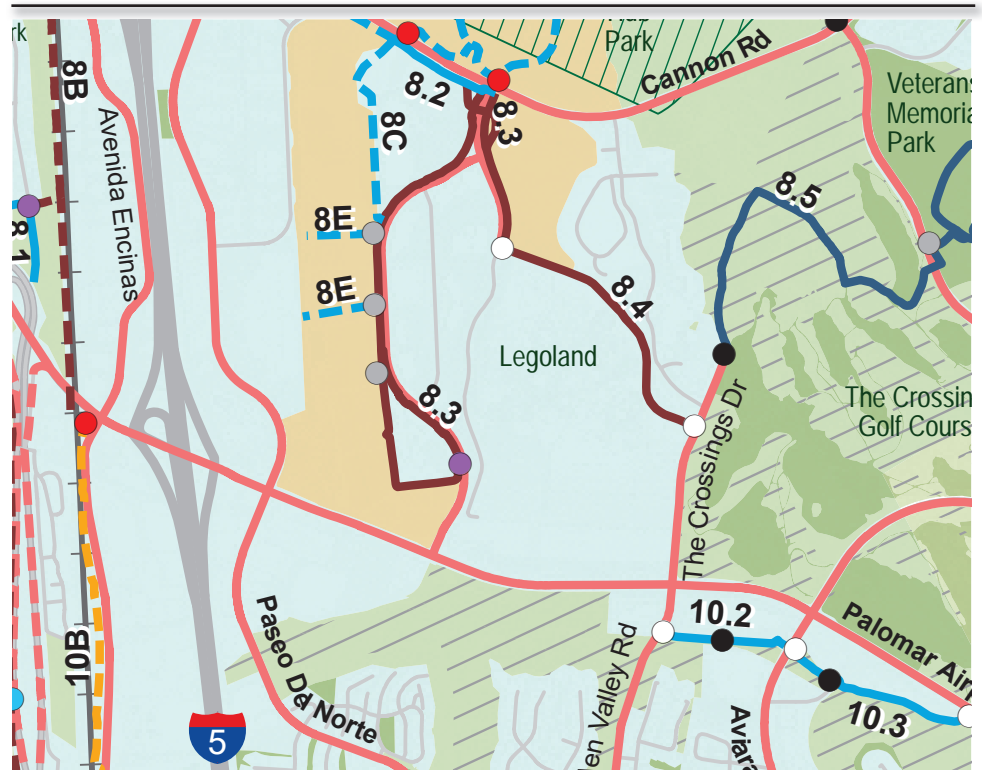
Estimated Project Cost:

\$6,000

Trail Segment 8E:

Carlsbad Ranch (from Armada Drive to Carlsbad Outlet Mall)

Subarea: 8
Quadrant: NW
Trail Category: Open Space
Trail Type: 2
Length: 0.3 mile
Development Entity: Private Development
Estimated Implementation: 2030



Project Description

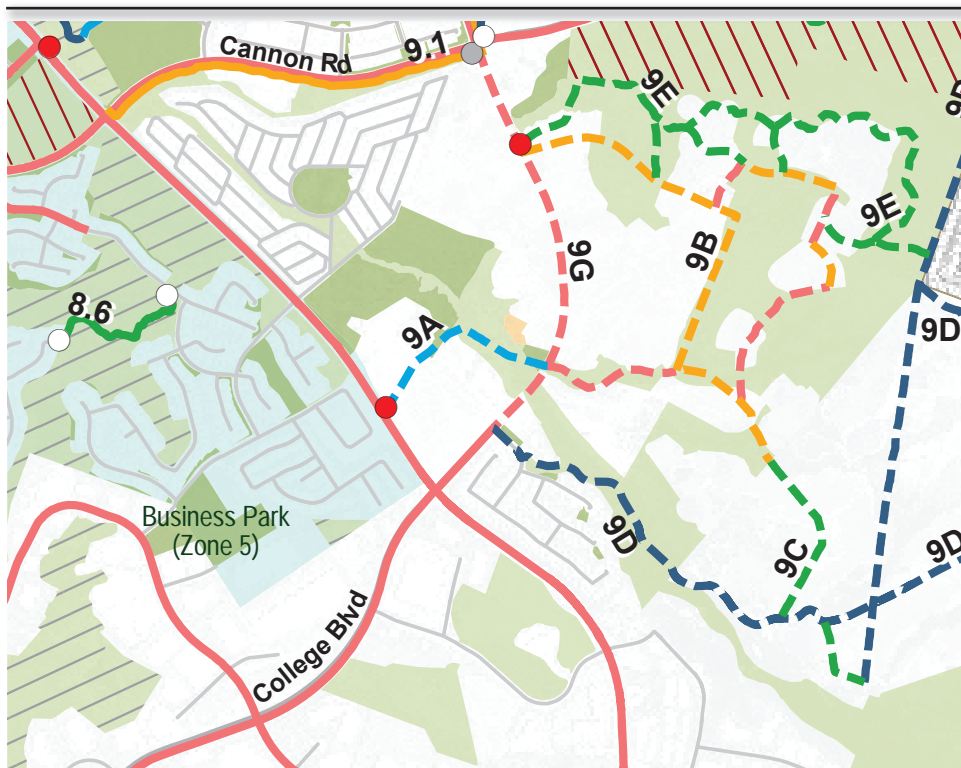
Two eight-foot wide recreational segments will allow for connectivity from Armada Drive, overlooking the Flower Fields and the Pacific Ocean, down to the Carlsbad Outlet Mall. It is assumed project will be conditioned by Carlsbad Ranch private development. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 9A: Sunny Creek Road

Subarea: 9
Quadrant: NE
Trail Category: Open Space
Trail Type: 2
Length: 0.4 mile
Development Entity: Private Development
Estimated Implementation: 2030



Project Description

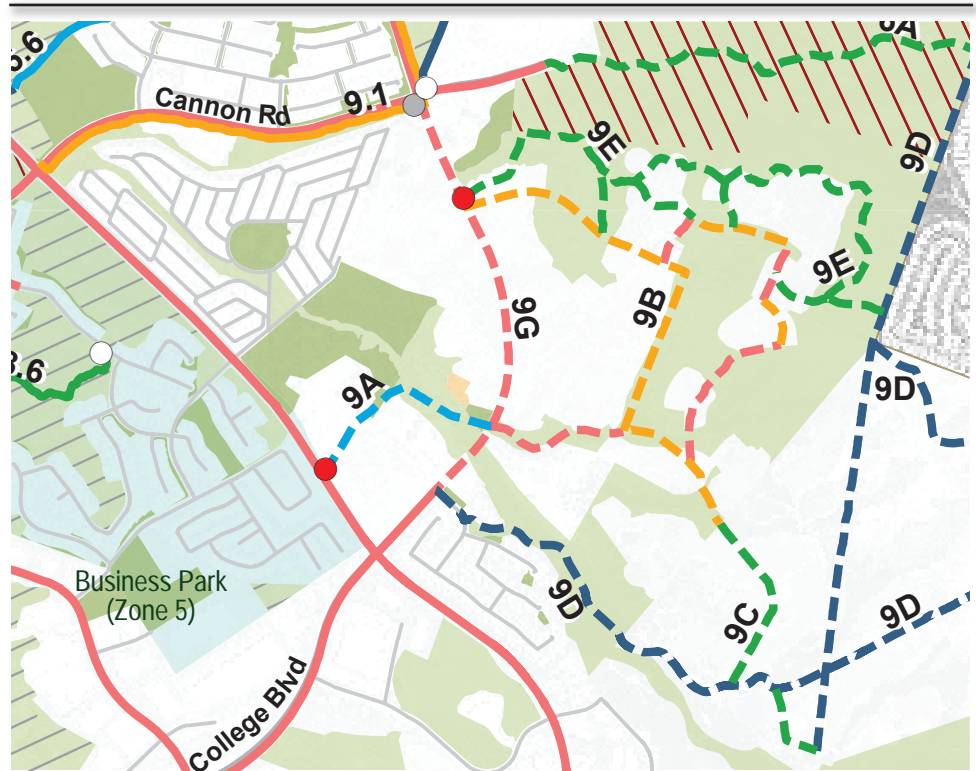
This eight-foot wide recreational trail will provide residents of the future Sunny Creek development with access to the open space and pedestrian connection to Cantarini Holly Springs and Lake Calavera trails. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 9B: Cantarini/Holly Springs

Subarea: 9
Quadrant: NE
Trail Category: Open Space
Trail Type: 4, 5
Length: 2.1 mile
Development Entity: Private Development
Estimated Implementation: 2030



Project Description

This future residential development incorporated the trail system into the master plan. Residents will enjoy eight-foot wide trail on the perimeter of their neighborhood leading to Calavera Lake and overlooking native habitat of Carlsbad Highlands Ecological Reserve. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:
\$6,000

Trail Segment 9C:

Kato Trail

Subarea: 9

Quadrant: NE

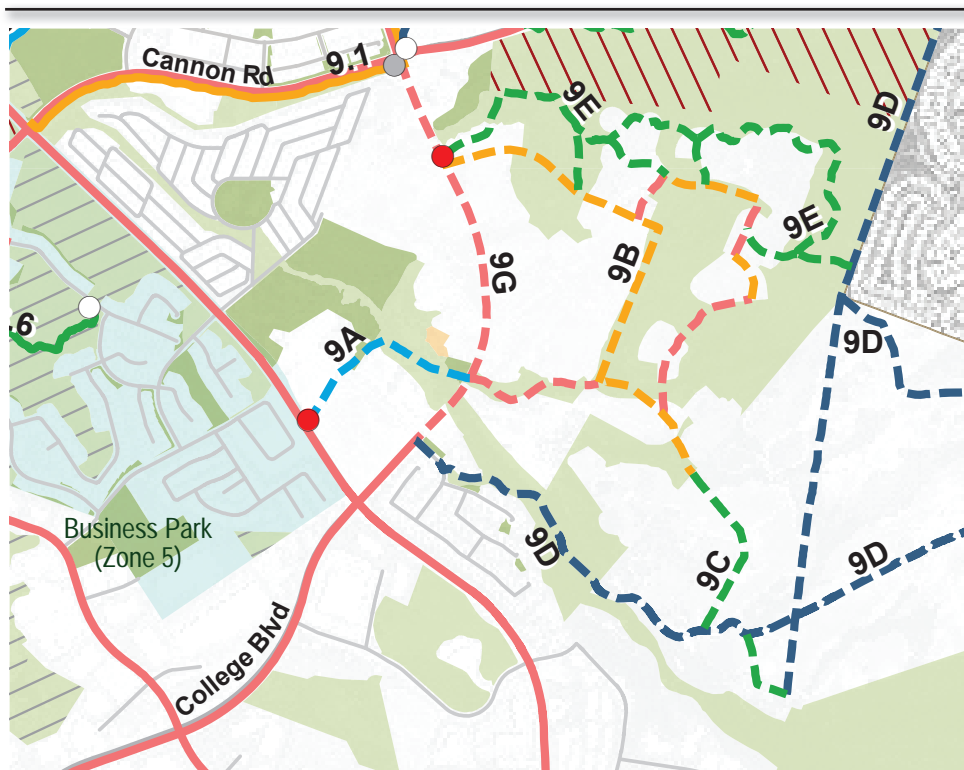
Trail Category: Open Space

Trail Type: 1

Length: 0.5 mile

Development Entity: Private Development

Estimated Implementation: 2030



Project Description

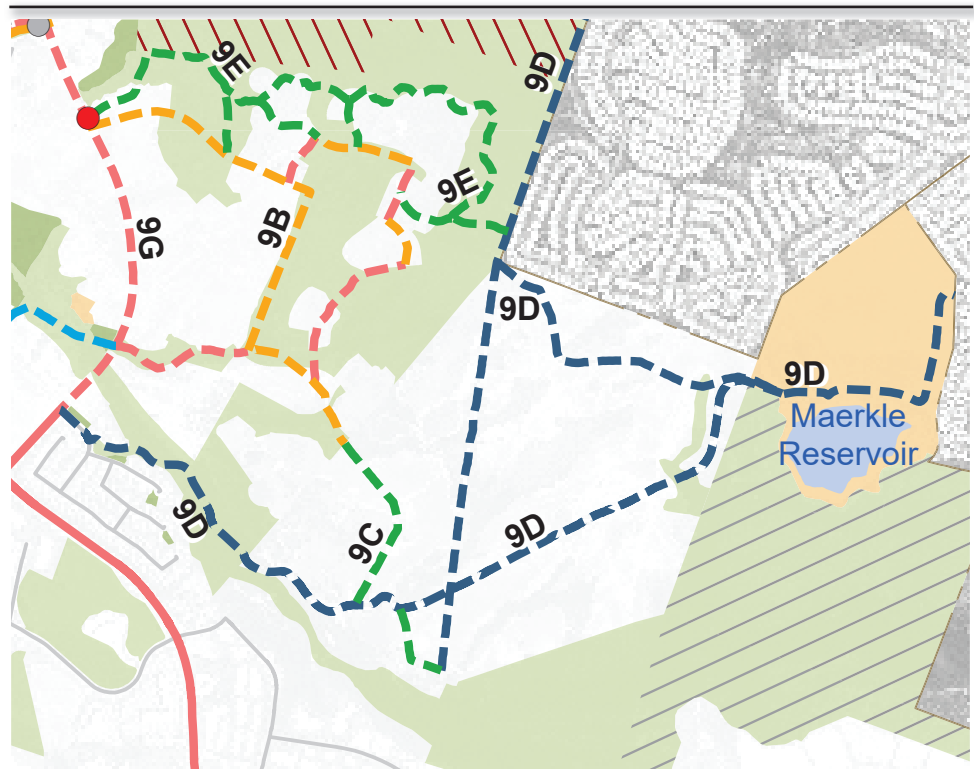
This is a four-foot wide nature trail completing the loop connecting Sunny Creek, Cantarini, Holly Springs and trails leading towards Maerke Reservoir. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 9D: Utility Pipeline Trail

Subarea: 9
Quadrant: NE
Trail Category: Open Space
Trail Type: 3
Length: 4.7 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2020



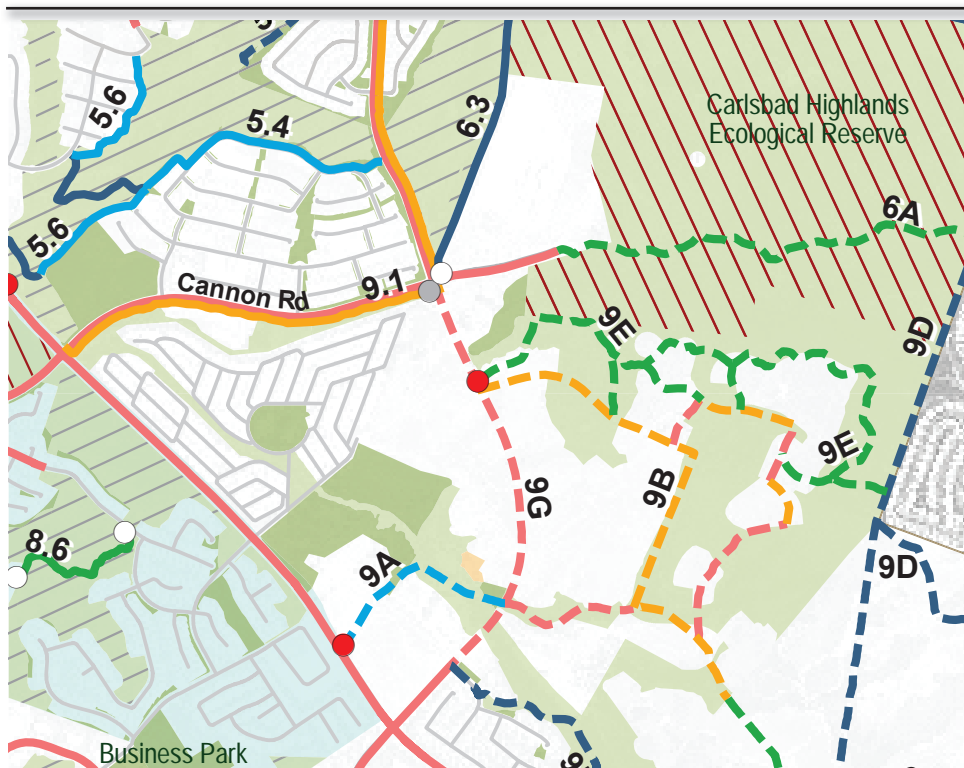
Project Description

This trail leads towards Maerkle Reservoir and the City of Vista. The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control and trail-head signage. Cost also induces administrative time necessary to incorporate the trail into the citywide network. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:
\$40,000

Trail Segment 9E: Cantarini/Holly Springs Open Space Trails

Subarea: 9
Quadrant: NE
Trail Category: Open Space
Trail Type: 1
Length: 1.8 mile
Development Entity: Private Development
Estimated Implementation: 2030



Project Description

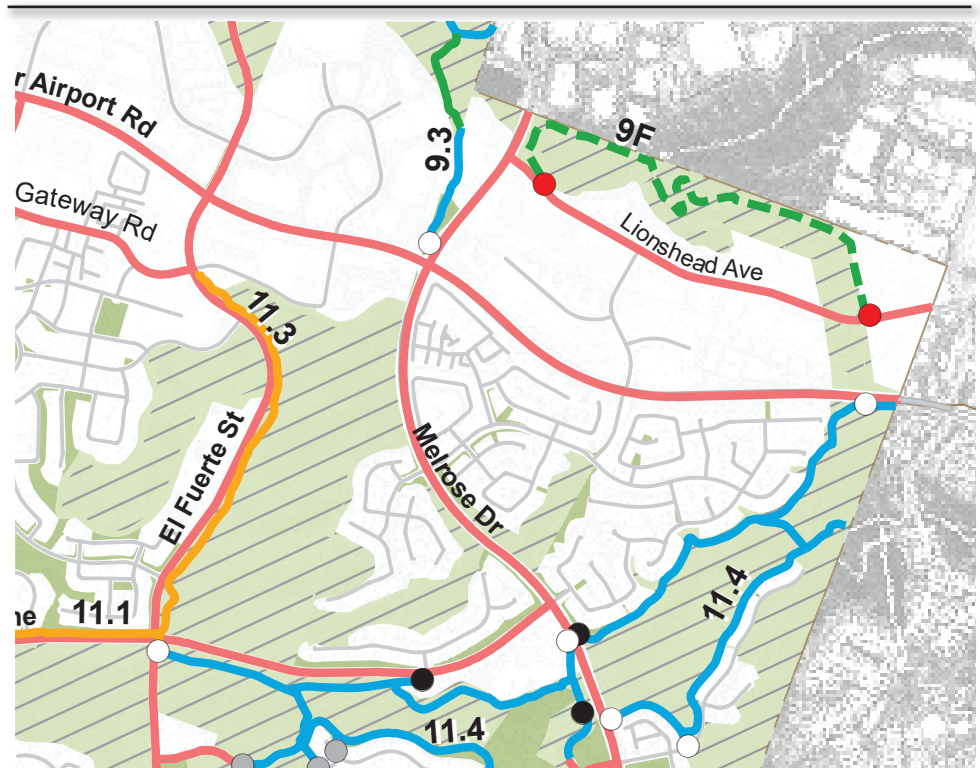
These four-foot wide nature trails will be incorporated into the open space areas within the Cantarini Holly Springs residential development. They will lead to Carlsbad Highlands Ecological Reserve, home of the Mount Calavera, 22-million year old volcanic plug, and to the Calavera Lake Preserve. It is assumed project will be conditioned by private development and environmental permit required to construct the trail. Improvement cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 9F: Carlsbad Raceway Park

Subarea: 9
Quadrant: NE
Trail Category: Open Space
Trail Type: 1
Length: 1.0 mile
Development Entity: City of Carlsbad
Estimated Implementation: 2020



Project Description

The four-foot wide nature trail will be a hidden jewel on the border of the cities of Carlsbad and Vista, providing recreational values to personnel of the surrounding businesses. Improvement cost includes decomposed granite surface and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$32,000

Trail Segment 9G: College Boulevard

Subarea: 9
 Quadrant: NE
 Trail Category: Mobility
 Trail Type: 5
 Length: 0.8 mile
 Development Entity: Private development
 Estimated Implementation: 2025



Project Description

This is a missing link in the development of the city's major artery that connects to state Routes 78 and 76 in Oceanside and extends south into northeast Carlsbad. It will connect future developments of Cantarini/Holly Springs and Sunny Creek and allow for improved north-south circulation. Improvement cost includes road and sidewalk construction, environmental mitigation, agency permitting, utilities, trail amenities, etc.

Estimated Project Cost:

\$24 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 10A:

Coastal Corridor Trail (Palomar Airport Road to Poinsettia Lane)

Subarea: 10

Quadrant: SW

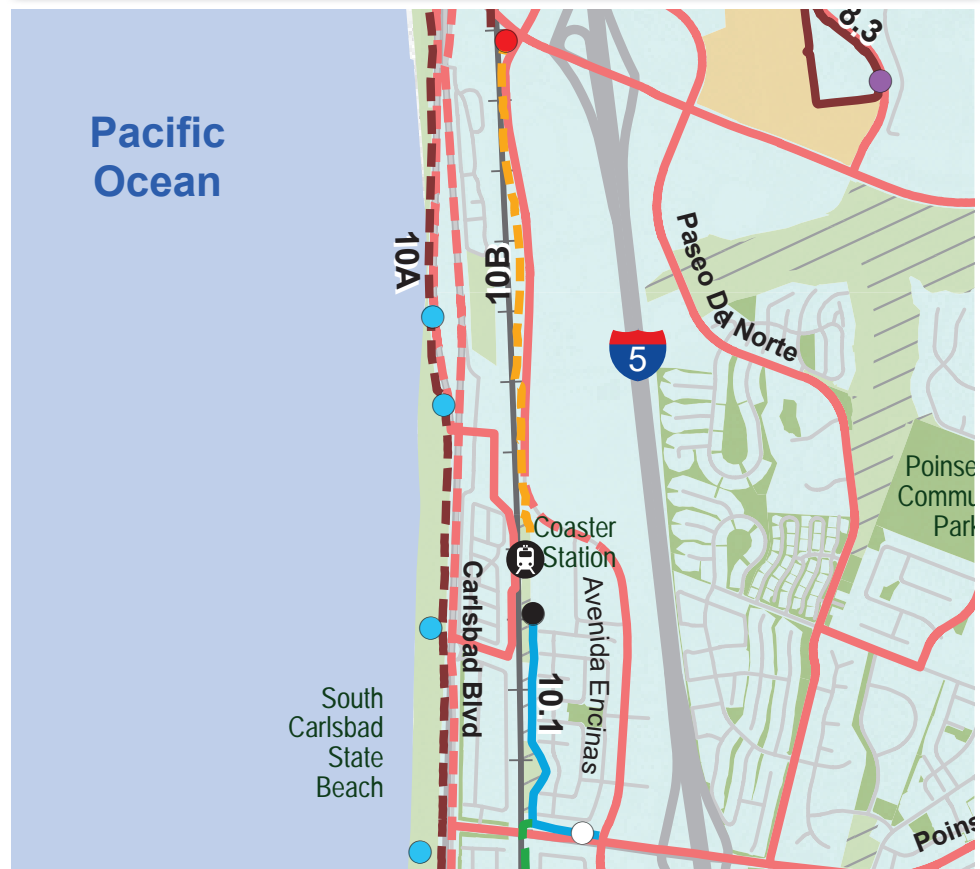
Trail Category: Mobility

Trail Type: 6

Length: 1.8 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2030



Project Description

The City of Carlsbad is working on a number of initiatives to make it easier and safer to get to the beach and travel along Carlsbad Boulevard (Highway 101), whether by car, on a bike or by foot. Project is part of the CATS and proposes to shift the southbound Carlsbad Boulevard between Cannon Road and Batiquitos Lagoon, thereby creating surplus right-of-way and pavement located west of Carlsbad Boulevard. Improvement cost includes paving, lighting, landscape buffers, public art and trail-head amenities. Trail specific environmental review shall be part of trail design and development.

Estimated Project Cost:

\$7 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 10B:

Coastal Rail Trail (Palomar Airport Road to Poinsettia Coaster Station - Reach 5)

Subarea: 10

Quadrant: SW

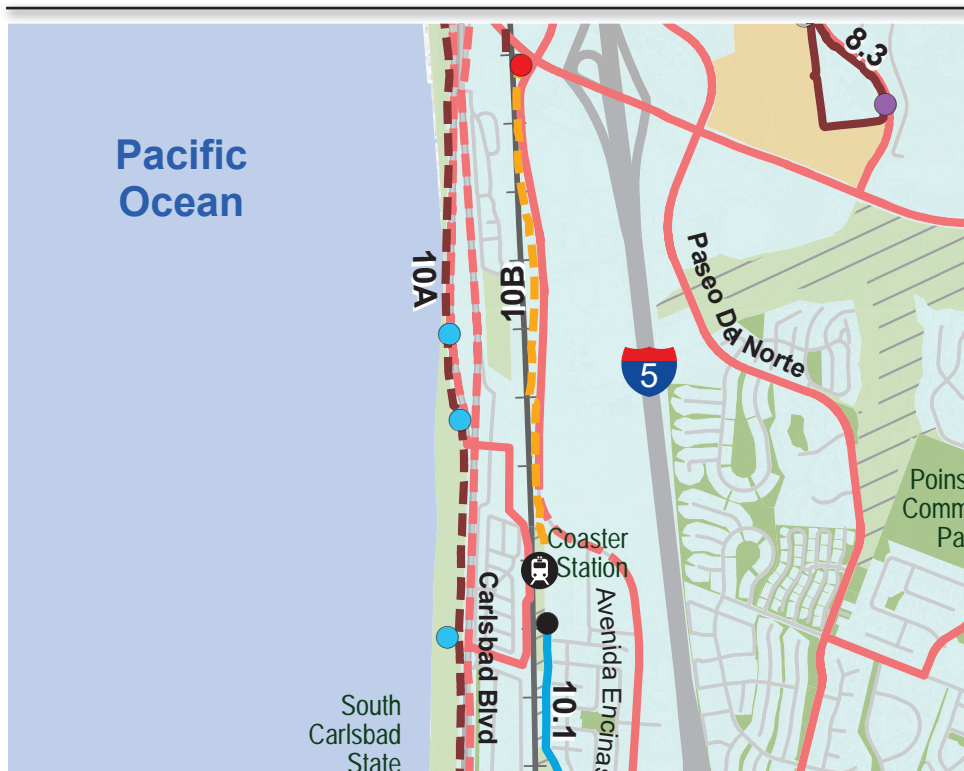
Trail Category: Mobility

Trail Type: 4

Length: 1.0 mile

Development Entity: City of Carlsbad/ SANDAG/ Caltrans

Estimated Implementation: 2025



Project Description

Reach 5 is part of a much longer trail that will eventually connect all the San Diego County coastal cities, from Camp Pendleton in the north all the way down to the Mexican border. Not all segments of the trail lie alongside the railroad. It is more desirable to locate this segment outside rail track right-of-way. Cost includes decomposed granite path, concrete curb and trail-head amenities. Potentially, improvements associated with I-5 widening as part of Public Work Plan (PWP). Environmental review, agency permitting, and mitigation is included in the estimated project cost.

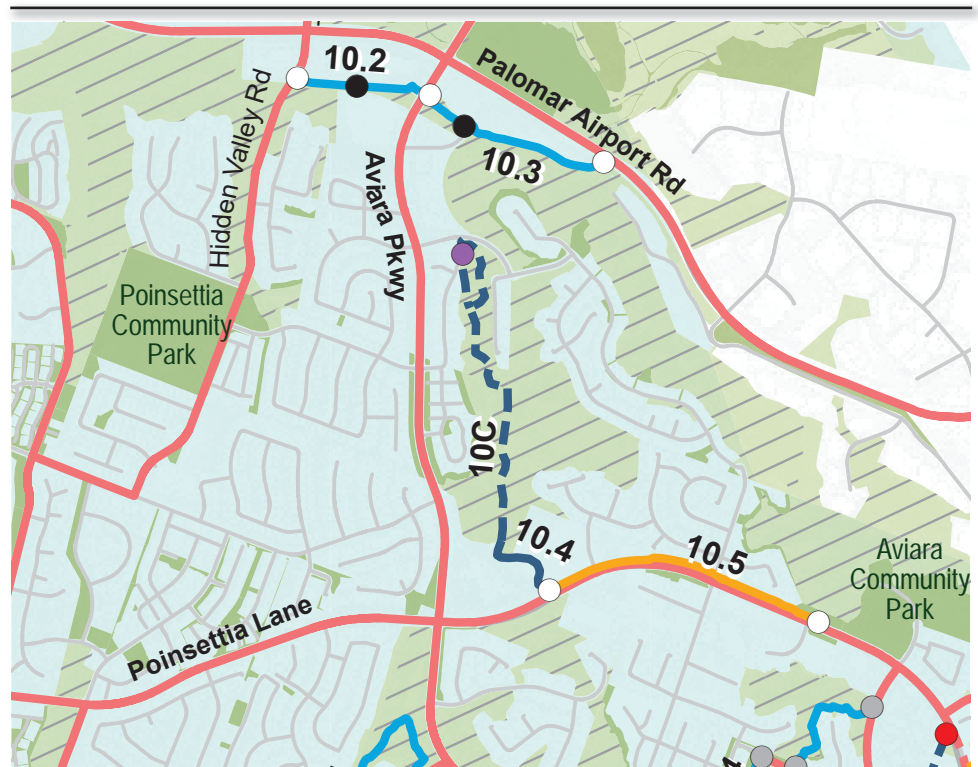
Estimated Project Cost:

\$2.5 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 10C:

SDG&E Utility Road (Plum Tree Court to Poinsettia Lane)

Subarea: 10
Quadrant: SW
Trail Category: Open Space
Trail Type: 3
Length: 0.8 mile
Development Entity: City of Carlsbad
Estimated Completion: 2020



Project Description

This trail connects residential communities with the North Coast Calvary Chapel. The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed within already existing utility corridor. Improvement efforts may include trail repairs in tandem with SDG&E, erosion control and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$10,000

Trail Segment 10D:

SDG&E Utility Road (Cassia Road to Camino Vida Roble)

Subarea: 10

Quadrant: SW

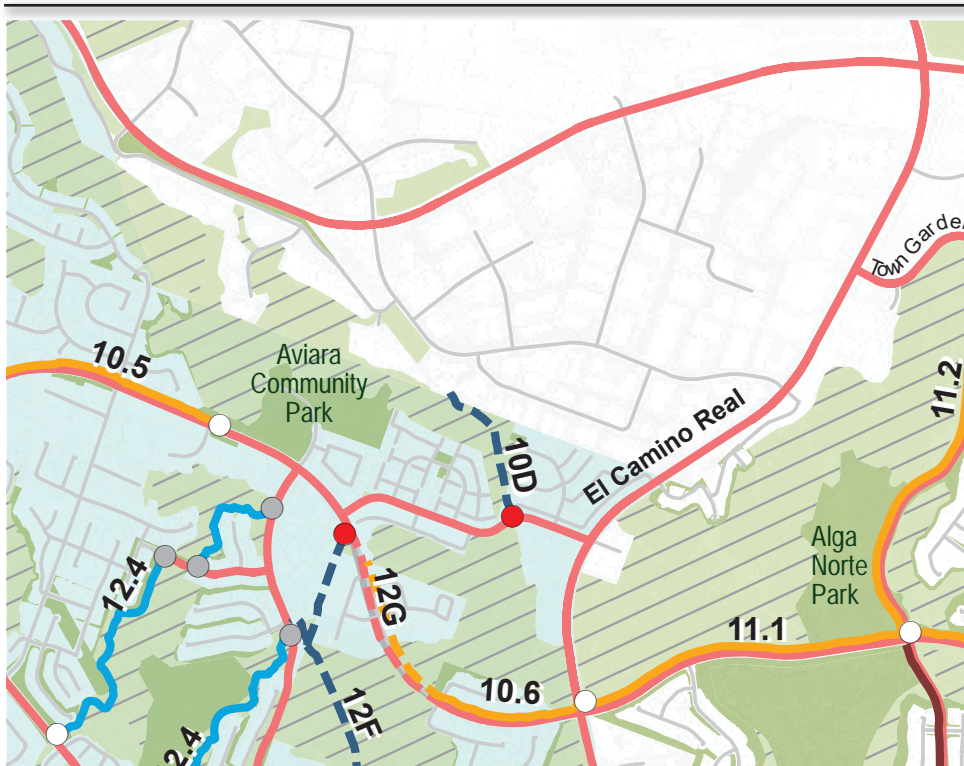
Trail Category: Open Space

Trail Type: 3

Length: 0.3 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$10,000

Trail Segment 12A:

Coastal Corridor Trail (Poinsettia Lane to La Costa Avenue)

Subarea: 12

Quadrant: SW

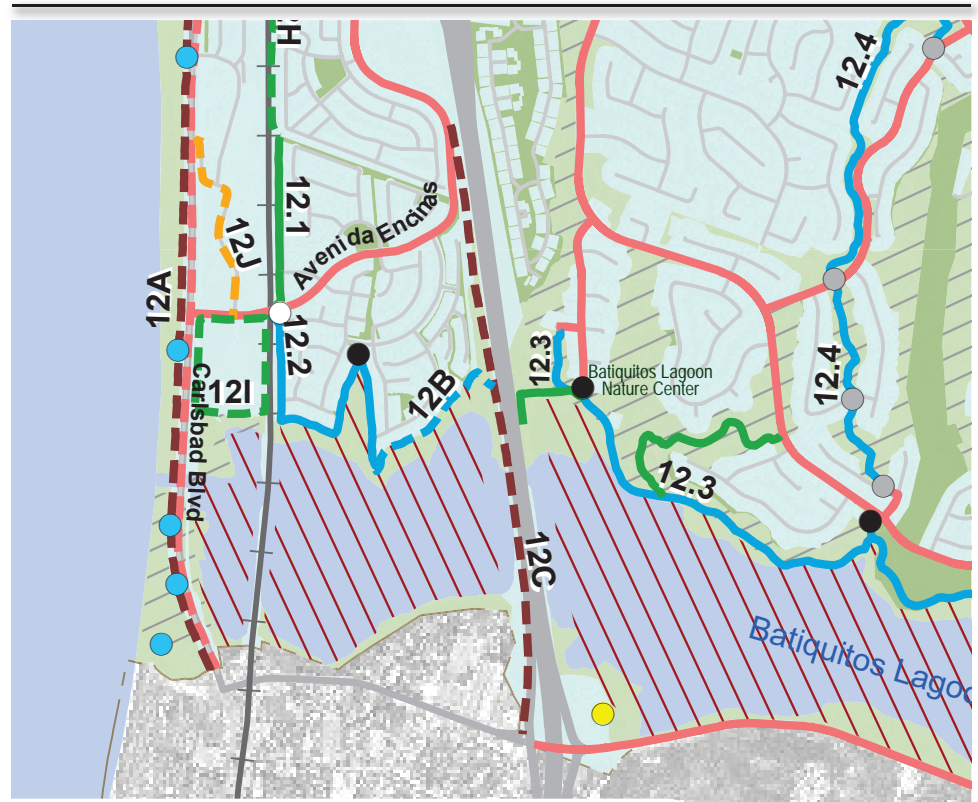
Trail Category: Mobility

Trail Type: 6

Length: 1.4 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2025



Project Description

The City of Carlsbad is working on a number of initiatives to make it easier and safer to get to the beach and travel along Carlsbad Boulevard (Highway 101), whether by car, on a bike or by foot. Project is part of the CATS and proposes to shift the southbound Carlsbad Boulevard between Cannon Road and Batiquitos Lagoon, thereby creating surplus right-of-way and pavement located west of Carlsbad Boulevard. Improvements cost includes paving, lighting, landscape buffers, public art and trail-head amenities. Trail specific environmental review shall be part of trail design and development.

Estimated Project Cost:

\$7.8 million - trail development is part of the larger project, cost shown for entire project (per Transportation Department's estimate)

Trail Segment 12B:

Rosalena Trail (North Shore of Batiquitos Lagoon, near Navigator Circle to I-5)

Subarea: 12

Quadrant: SW

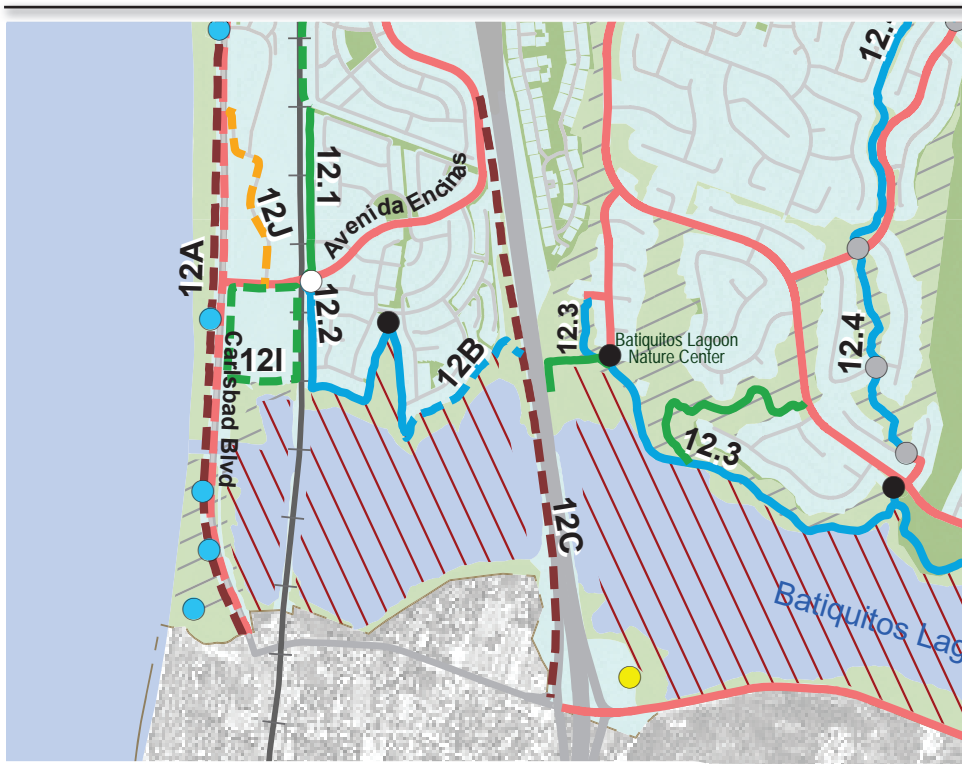
Trail Category: Open Space

Trail Type: 2

Length: 0.3 mile

Development Entity: Private Development

Estimated Implementation: 2020



Project Description

This recreational trail on the top bluff of the Batiquitos Lagoon will provide spectacular views to the lagoon, ocean and La Costa area. This segment is part of the waterfront Batiquitos Lagoon trail system on north shore. Project was conditioned by private development to construct the trail and HOA is in negotiations with California Coastal Commission. Improvement cost includes decomposed granite surface, retaining walls, grading, edging, and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle.

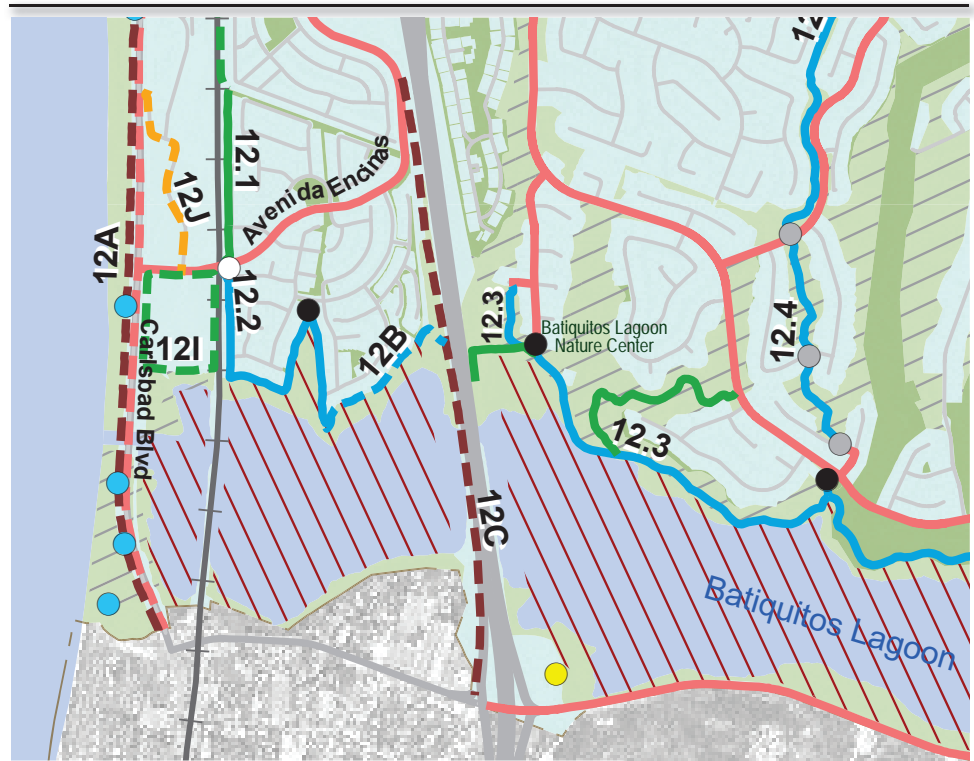
Estimated Project Cost:

\$800,000 (Cost based on the Rosalena Trail development plans)
and cost estimate developed by HOA)

Trail Segment 12C:

I-5 Corridor Bike Trail - North Coast Bikeway (La Costa Avenue to Avenida Encinas)

Subarea: 12
Quadrant: SW
Trail Category: Mobility
Trail Type: 6
Length: 1.2 mile
Development Entity: Caltrans
Estimated Implementation: 2020



Project Description

As part of the I-5 widening project, bike trail is proposed to be attached under or adjacent to the bridge through Batiquitos Lagoon, connecting south and north shore.

Estimated Project Cost:

Caltrans Public Work Plan

Trail Segment 12D:

Batiquitos Lagoon Extension (Batiquitos Drive to Arenal Drive)

Subarea: 12

Quadrant: SW

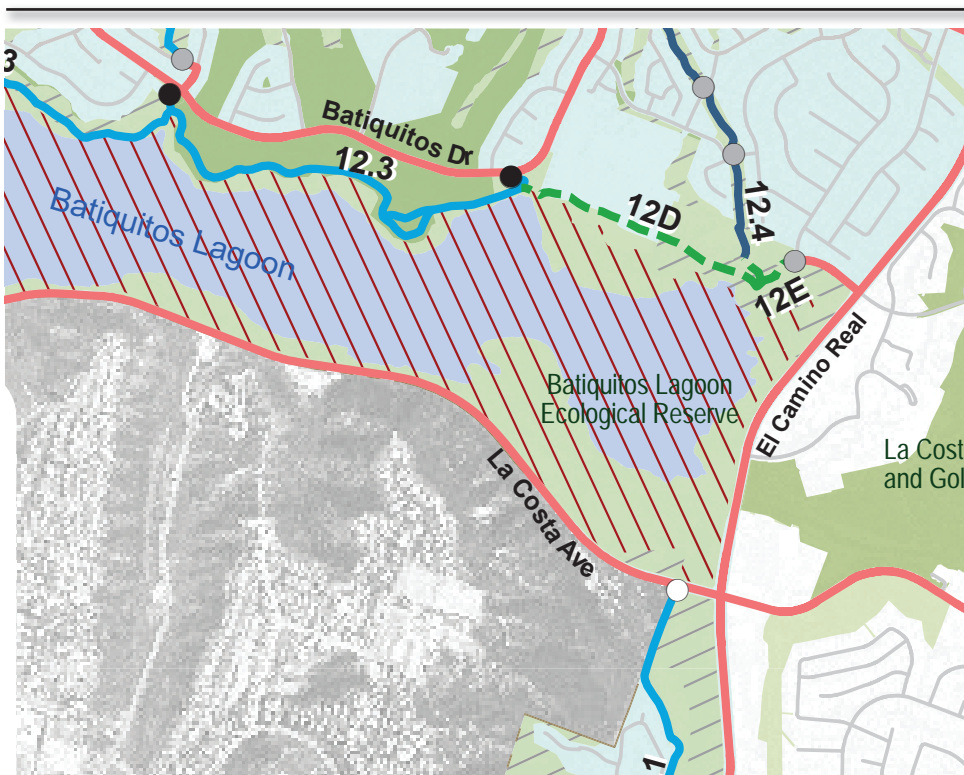
Trail Category: Open Space

Trail Type: 1

Length: 0.5 mile

Development Entity: Batiquitos Lagoon Foundation

Estimated Implementation: 2025



Project Description

This nature trail will complete the Batiquitos Lagoon trail corridor on north shore, providing residents and tourists with a waterfront trail stretching from El Camino Real to the beach. Improvements cost includes basic trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$6,000

Trail Segment 12E:

Batiquitos Lagoon Trail (Cholla Point to Arenal Drive)

Subarea: 12

Quadrant: SW

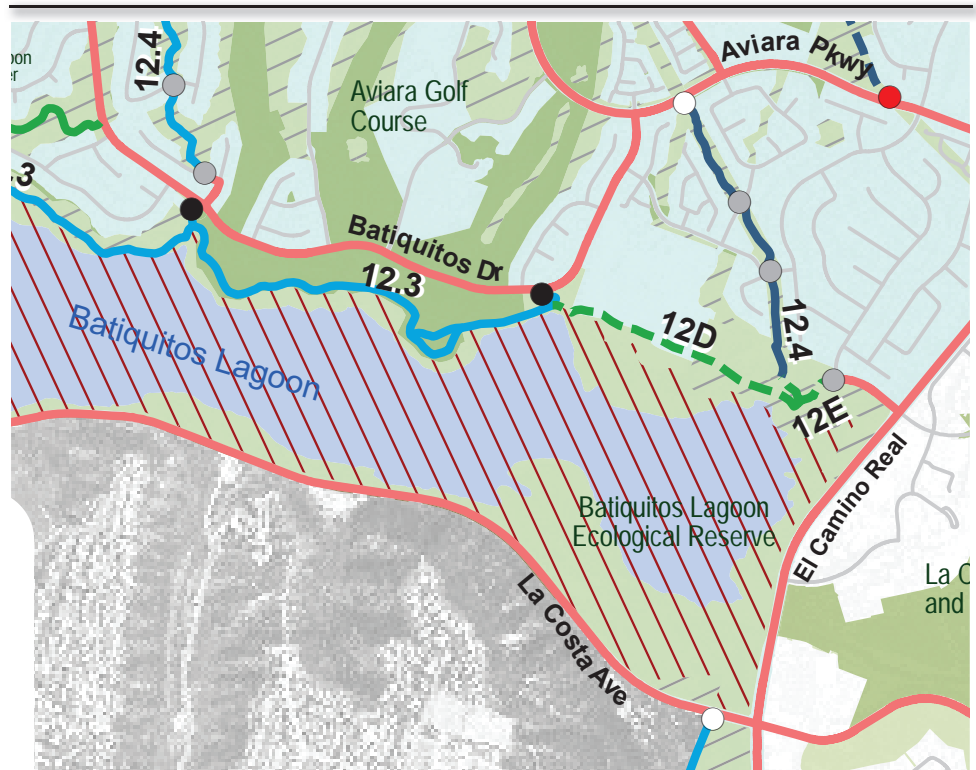
Trail Category: Open Space

Trail Type: 1

Length: 0.2 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2025



Project Description

This is a small connector between the Batiquitos Lagoon trail and the trailhead at Arenal Drive. Improvement cost includes native soil surface and basic trailhead amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$64,000

Trail Segment 12F:

SDG&E Utility Road (Poinsettia Lane to Aviara Parkway)

Subarea: 12

Quadrant: SW

Trail Category: Open Space

Trail Type: 3

Length: 0.9 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

This trail leads through the open space near the Aviara Oaks Elementary and Middle School. The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control and basic trail-head signage, such as trail ID and trail regulation signs, dog station and trash receptacle. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

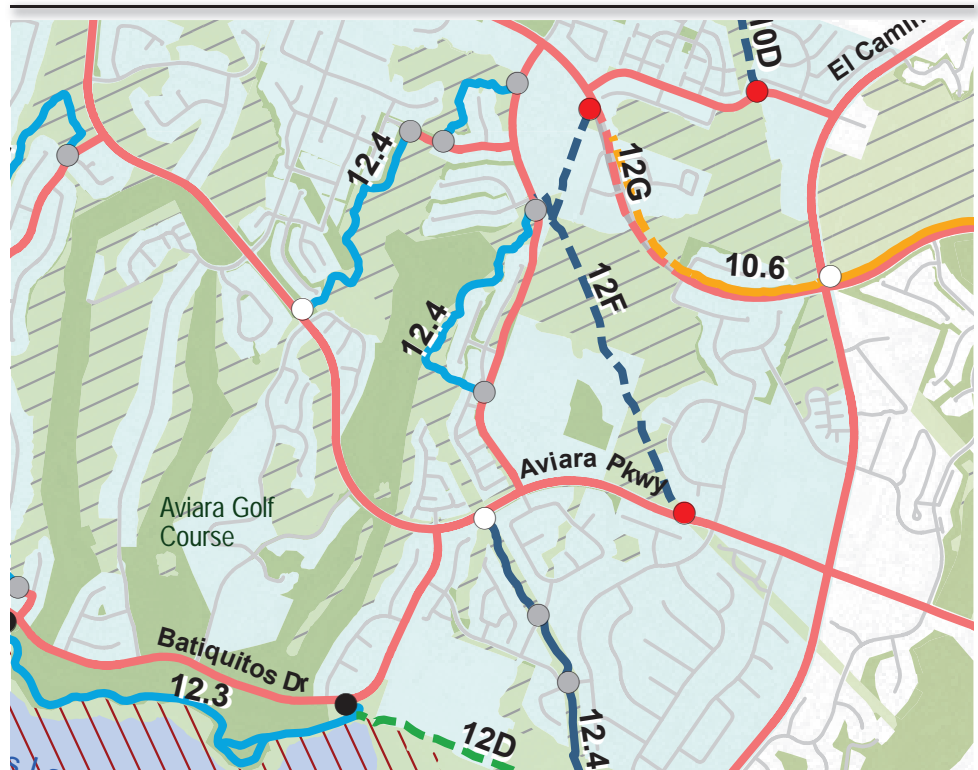
Estimated Project Cost:

\$20,000

Trail Segment 12G:

Poinsettia Lane/Poinsettia 61

Subarea: 12
Quadrant: SW
Trail Category: Mobility
Trail Type: 4, 5
Length: 0.7 mile
Development Entity: Private Development
Estimated Implementation: 2020



Project Description

Both missing sidewalk and roadside trail will be constructed as part of the future private development. Poinsettia Lane is an important east - west circulation corridor, connecting City of San Marcos trails, Rancho Carrillo and Aviaira communities to the shore. Project has been conditioned by private development and environmental permit required to construct the trail. Improvement cost includes trail-head amenities provided by the City of Carlsbad, such as trail ID and trail regulation signs, dog station and trash receptacle. Construction of the sidewalk and trail is not accounted for in this estimate.

Estimated Project Cost:

\$6,000

Trail Segment 12H: Lakeshore Gardens

Subarea: 12

Quadrant: SW

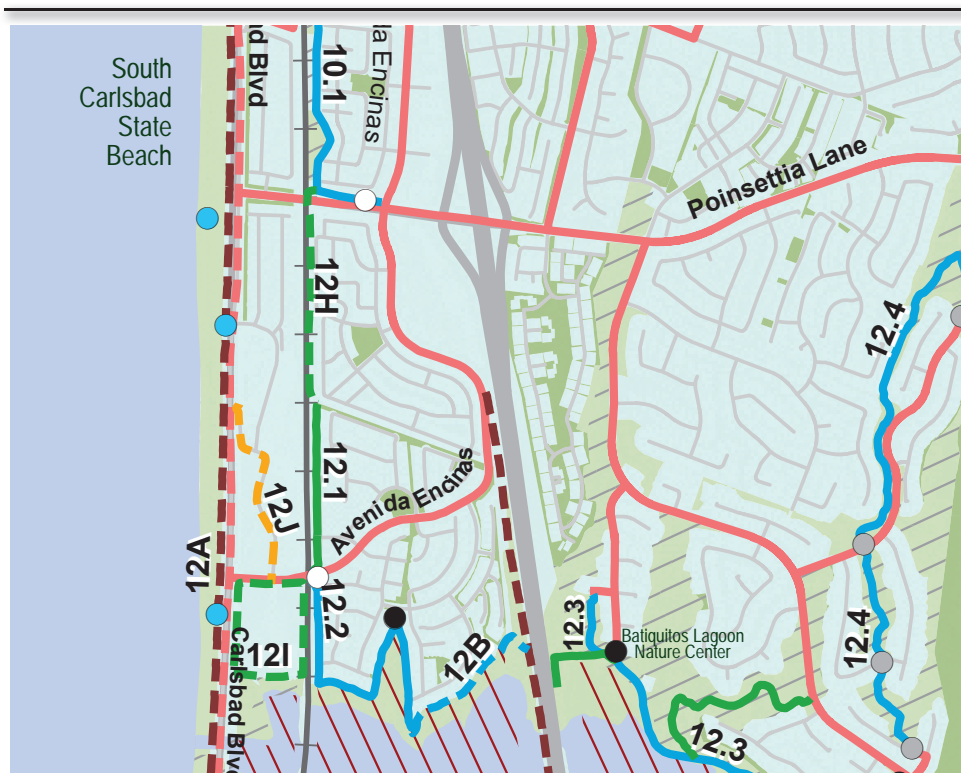
Trail Category: Open Space

Trail Type: 1

Length: 0.4 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

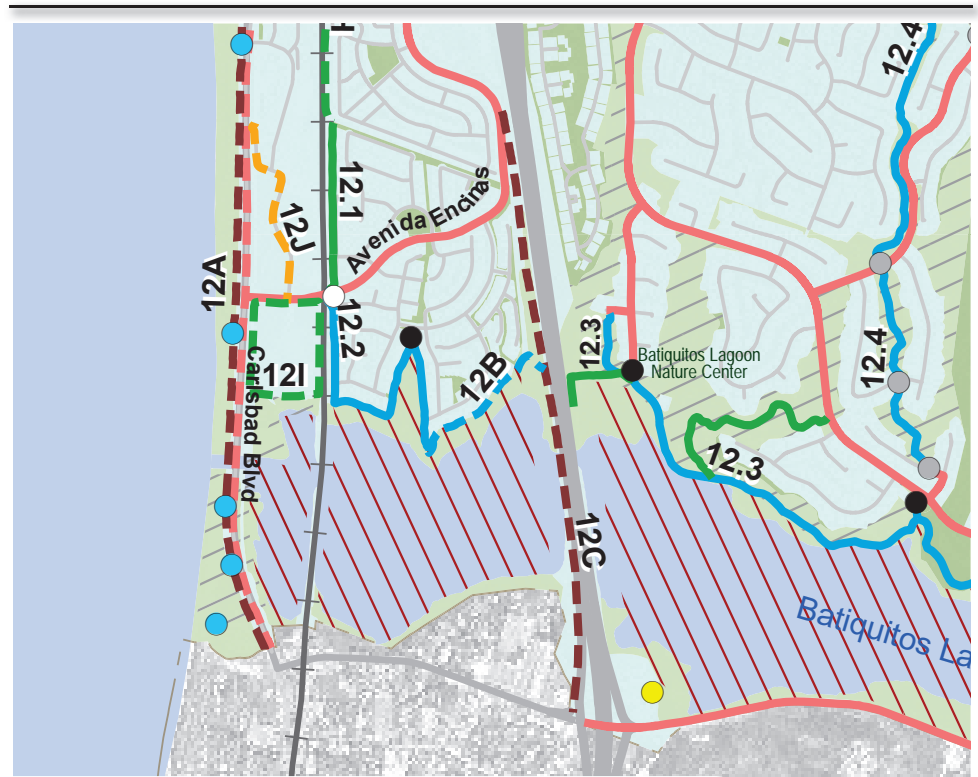
This segment links Poinsettia Coaster Station and Water's End trail with the Batiquitos Lagoon North Bluff trail. Improvement cost includes native soil surface and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$115,000

Trail Segment 12I: South Ponto Trail

Subarea: 12
Quadrant: SE
Trail Category: Open Space
Trail Type: 1
Length: 0.6 mile
Development Entity: Private Development
Estimated Implementation: 2023



Project Description

This is a nature trail creating a loop around the future hotel site between Avenida Encinas and the north shore of the Batiquitos Lagoon. North-west end will connect to the beach through the intersection at Carlsbad Boulevard, and north-east end will connect with the network of trails from the Poinsettia Station to Batiquitos Lagoon North Shore Trail through the bridge at Avenida Encinas. Assumed project is conditioned by private development and environmental permit required to construct the trail. Improvements cost includes basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 12J:

Ponto Drive Trail

Subarea: 12

Quadrant: SW

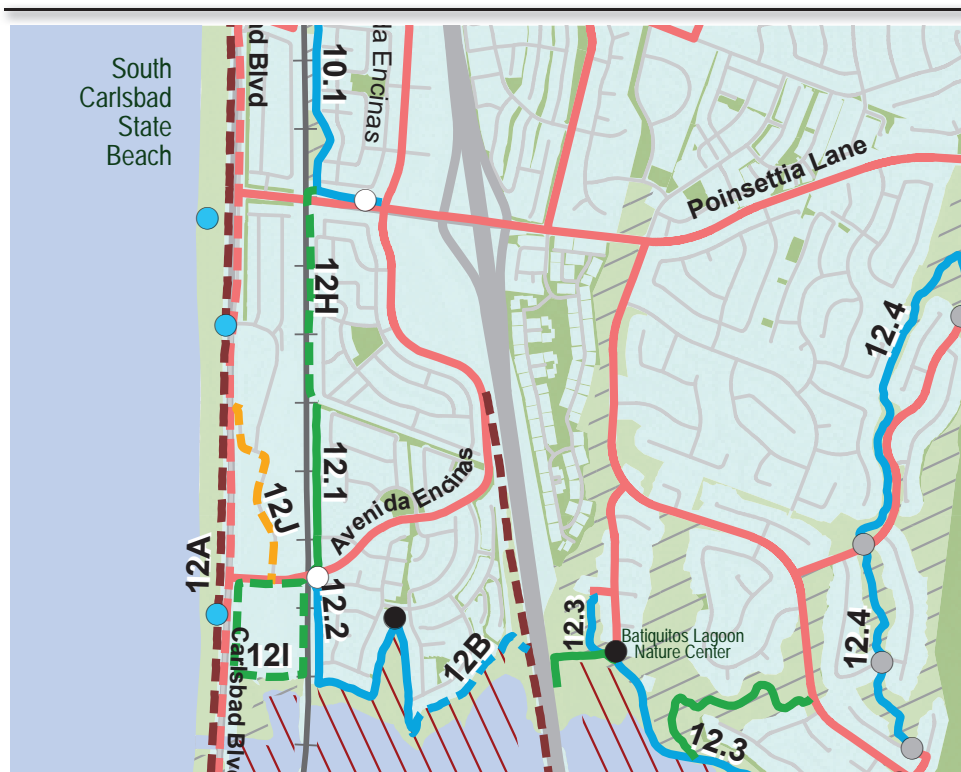
Trail Category: Open Space

Trail Type: 4

Length: 0.4 mile

Development Entity: Private Development

Estimated Implementation: 2023



Project Description

This is roadside trail along the Ponto Drive that will provide alternative route from Carlsbad Boulevard to Avenida Encinas through future commercial site. Assumed project is conditioned by private development and environmental permit required to construct the trail. Potential underpass pedestrian connection from Segment 12J to the west side of the Carlsbad Boulevard will be reviewed as part of the design phase for this project. Improvements cost includes basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle.

Estimated Project Cost:

\$6,000

Trail Segment 13A:

SDG&E Utility Road (Alga Road to El Fuerte Street)

Subarea: 13

Quadrant: SE

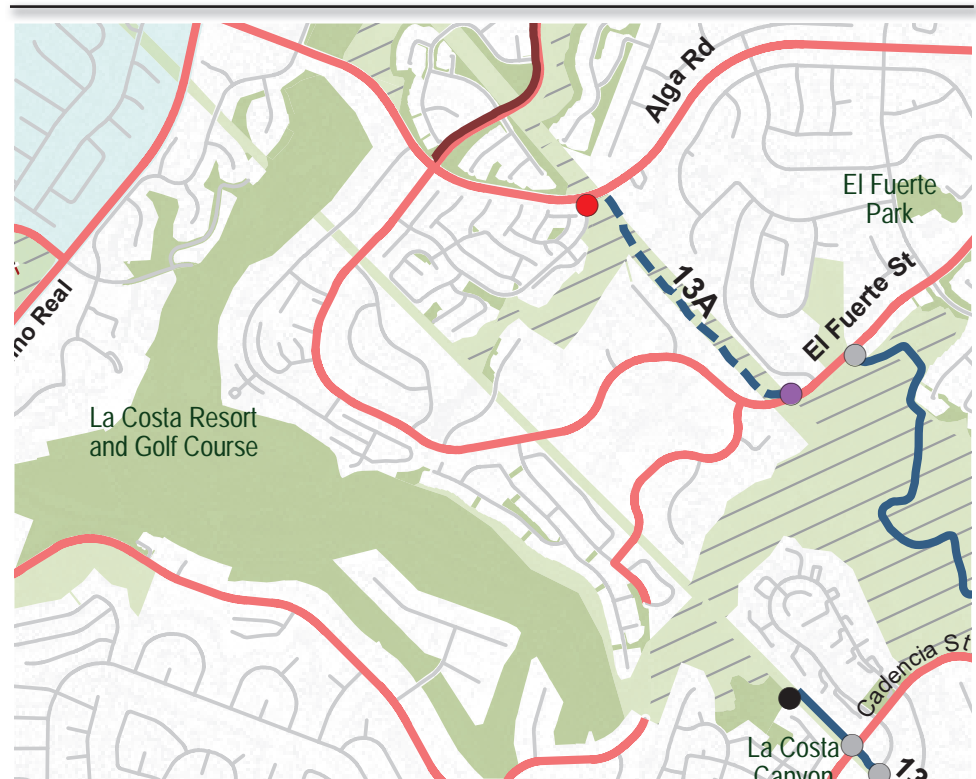
Trail Category: Open Space

Trail Type: 3

Length: 0.5 mile

Development Entity: City of Carlsbad

Estimated Implementation: 2020



Project Description

This is an open space connector to Rancho La Costa Preserve. The width of the utility roadbed varies depending on the existing conditions. No new construction will be required, since the trail is proposed in already existing utility corridor. Development efforts may include trail repairs, erosion control and basic trail-head amenities, such as trail ID and trail regulation signs, dog station and trash receptacle. Trail specific environmental review shall be part of trail design and development. Environmental review, agency permitting, and mitigation is not included in the estimated project cost.

Estimated Project Cost:

\$10,000

5.2 Future Development and Trail Implementation Summary

The trail implementation dates were determined based on the anticipated schedules for known public and private projects. Trail development is an opportunistic and flexible process and its timing will be dependent largely upon the entity responsible for construction of the trails. For example, the I-5 Freeway North Coast Bike Trail is part of the Caltrans I-5 widening project, and its construction depends on the schedule for that project. Several other future links are conditioned to be constructed by private development and are dependent on those project schedules. Trail segments scheduled to be developed by the city, are subject to budget approval.

Implementation of the trail development is based on several criteria, including: conditions of approval for private and public development; government transportation initiatives; funding for public projects (both local and regional). Table 5.2 “Trail Implementation Summary” illustrates three general trail development phases:

- Phase 1: Until Year 2020
- Phase 2: Years 2021 - 2025
- Phase 3: Years 2026 - 2030

Estimated Implementation Year marks beginning of the trail development process that will include refinement of the trail alignment, program development, environmental review, permitting and construction. Depending on the trail type, complexity of the design, and environmental and cultural resources, process may take from a few months to a year, and more. Provided projections are based on the current data available to staff and should not be interpreted as precise, firm dates. They may be adjusted as warranted, as better information becomes available.

Several trails will be incorporated into the citywide network as public access easements, allowing recreational use on existing utility roads and currently private trails. Project Type for these trails is categorized as “Improvements”. Trails categorized as “New Construction” will undergo design development and review process, and will be built either as the capital improvement project, part of the larger municipal or regional initiative, or private development.

TRAIL SEGMENT ID	TRAIL NAME	ESTIMATED IMPLEMENTATION YEAR	ESTIMATED CONSTRUCTION COST	LENGTH (MILES)	TRAIL CATEGORY	DEVELOPMENT ENTITY	PROJECT TYPE
UNTIL YEAR 2020							
2B	QUARRY CREEK TRAILS (CONNECTION TO THE SIMSBURY COURT)	2019	\$ 6,000	0.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
5B	VILLAGE H SOUTH (CARLSBAD VILLAGE DRIVE TO TAMARACK AVENUE) - Phase 1	2019	\$ 6,000	0.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7D	PARK DRIVE TRAIL	2019	\$ 1,686,000	0.7	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
5A	SDG&E CORRIDOR (CARLSBAD VILLAGE DRIVE TO TAMARACK AVENUE)	2019	\$ 20,000	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
5C	SDG&E CORRIDOR (CALAVERA HILLS 2)	2019	\$ 10,000	0.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN UTILITY EASEMENT	IMPROVEMENTS
8A	COASTAL CORRIDOR TRAIL (CANNON ROAD TO PALOMAR AIRPORT ROAD)	2020	\$ 3,000,000	0.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
12B	ROSALINA TRAIL (NORTH SHORE OF BATIQUITOS LAGOON, NEAR NAVIGATOR CIRCLE TO I-5)	2020	\$ 800,000	0.3	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
12G	POINSETTIA LANE/ POINSETTIA 61	2020	\$ 6,000	0.7	MOBILITY	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9D	UTILITY PIPE LINE TRAIL	2020	\$ 40,000	4.7	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
10C	SDG&E UTILITY ROAD (PLUM TREE COURT TO POINSETTIA LANE)	2020	\$ 10,000	0.8	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
10D	SDG&E UTILITY ROAD (CASSIA ROAD TO CAMINO VIDA ROBLE)	2020	\$ 10,000	0.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
12F	SDG&E UTILITY ROAD (POINSETTIA LANE TO AVIARA PARKWAY)	2020	\$ 20,000	0.9	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
13A	SDG&E UTILITY ROAD (ALGA ROAD TO EL FUERTE STREET)	2020	\$ 10,000	0.5	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
8C	FLORAL TRADE CENTER TRAIL	2020	\$ 6,000	0.6	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
1B	HAYMAR ROAD (FROM MARON ROAD TO EL CAMINO REAL)	2020	\$ 40,000	0.8	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT OR ROADSIDE ROW; CITY OF OCEANSIDE	IMPROVEMENTS
7G	COASTAL RAIL TRAIL (TAMARACK AVENUE TO CANNON ROAD) REACH 3	2020	\$ 3,000,000	1.2	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
8D	OCEAN VIEW POINT TRAIL (CONNECTION TO VETERANS MEMORIAL PARK)	2020	\$ 6,000	0.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9F	CARLSBAD RACEWAY PARK	2020	\$ 32,000	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	IMPROVEMENTS
12H	LAKESHORE GARDENS	2020	\$ 115,000	0.4	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING EASEMENT (NTCD)	NEW CONSTRUCTION
7F	I-5 NORTH COAST BIKE TRAIL (CHINQUAPIN TO CANNON ROAD)	2020	unknown	1.1	MOBILITY	CALTRANS (PUBLIC)	NEW CONSTRUCTION
12A	COASTAL CORRIDOR TRAIL (POINSETTIA LANE TO LA COSTA AVENUE)	2020	\$ 7,800,000	1.4	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
12C	I-5 NORTH COAST BIKE TRAIL (LA COSTA AVENUE TO AVENIDA ENCINAS)	2020	unknown	1.2	MOBILITY	CALTRANS (PUBLIC)	NEW CONSTRUCTION
1A	BUENA VISTA LAGOON OVERLOOK	2020	\$ 30,000	0.1	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
YEARS 2021 - 2025							
1C	HAYMAR ROAD (FROM EL CAMINO REAL TO QUARRY CREEK DEVELOPMENT)	2022	\$ 95,000	1.5	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT OR ROADSIDE ROW	IMPROVEMENTS
2A	HIDDEN CANYON PARK & NORTH SDG&E UTILITY ROAD	2022	\$ 10,000	0.4	OPEN SPACE	CITY OF CARLSBAD (PUBLIC) WITHIN EXISTING UTILITY EASEMENT	IMPROVEMENTS
2C	BUENA VISTA CREEK ECOLOGICAL RESERVE TRAIL	2022	\$ 76,000	1.0	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	IMPROVEMENTS
7C	SOUTH SHORE AGUA HEDIONDA LAGOON TRAILS	2022	\$ 450,000	2.4	OPEN SPACE	PRIVATE DEVELOPMENT; CITY OF CARLSBAD	NEW CONSTRUCTION
12I	SOUTH PONTO TRAIL	2023	\$ 6,000	0.6	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
12J	PONTO DRIVE TRAIL	2023	\$ 6,000	0.4	MOBILITY	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
5B	VILLAGE H SOUTH (CARLSBAD VILLAGE DRIVE TO TAMARACK AVENUE) - Phase 2	2023	\$ 69,000	0.2	OPEN SPACE	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7A	COASTAL CORRIDOR (CANNON PARK TO ENCINAS POWER STATION)	2025	\$ 2,500,000	1.2	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
8B	COASTAL RAIL TRAIL (CANNON ROAD TO PALOMAR AIRPORT ROAD) REACH 4	2025	\$ 3,590,625	0.9	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
10B	COASTAL RAIL TRAIL (PALOMAR AIRPORT ROAD TO POINSETTIA COASTER STATION) REACH 5	2025	\$ 2,500,000	1.0	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
12D	BATIQUITOS LAGOON EXTENSION (BATIQUITOS DRIVE TO ARENAL DRIVE)	2025	\$ 6,000	0.5	OPEN SPACE	BATIQUITOS LAGOON FOUNDATION	NEW CONSTRUCTION
12E	BATIQUITOS LAGOON TRAIL (CHOLLA POINT TO ARENAL DRIVE)	2025	\$ 64,000	0.2	OPEN SPACE	CITY OF CARLSBAD	NEW CONSTRUCTION
9G	COLLEGE BOULEVARD	2025	\$ 24,000,000	0.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
7H	SHAYAN PROPERTY TRAIL (HIGH RIDGE AVENUE TO AURA CIRCLE)	2025	\$ 6,000	0.2	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9B	CANTARINI/ HOLLY SPRINGS	2025	\$ 6,000	2.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
7E	HALLMARK EAST TRAIL (CONNECTING TO KELLY TRAIL)	2025	\$ 50,000	0.2	OPEN SPACE	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE; CALTRANS (PUBLIC); AHJF; CITY OF CARLSBAD	IMPROVEMENTS
YEARS 2026 - 2030							
1D	BUENA VISTA LAGOON SOUTH SHORE TRAIL	2030	\$ 100,000	1.3	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, PRIVATE DEVELOPMENT	NEW CONSTRUCTION
6A	CARLSBAD HIGHLANDS ECOLOGICAL RESERVE TRAIL	2030	\$ 80,000.00	0.9	OPEN SPACE	CITY OF CARLSBAD (PUBLIC), CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	IMPROVEMENTS
7B	NORTH SHORE AGUA HEDIONDA LAGOON TRAIL (I-5 TO COVE DRIVE)	2030	\$ 6,000	1.1	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
8E	CARLSBAD RANCH	2030	\$ 6,000	0.3	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
10A	COASTAL CORRIDOR TRAIL (PALOMAR AIRPORT ROAD TO POINSETTIA LANE)	2030	\$ 7,000,000	1.8	MOBILITY	CITY OF CARLSBAD (PUBLIC)	NEW CONSTRUCTION
9A	SUNNY CREEK ROAD	2030	\$ 6,000	0.4	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9C	KATO TRAIL	2030	\$ 6,000	0.5	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION
9E	CANTARINI/HOLLY SPRINGS OPEN SPACE TRAILS	2030	\$ 6,000	1.8	OPEN SPACE	PRIVATE DEVELOPMENT	NEW CONSTRUCTION

Table 5.2: Trail Implementation Summary