CHAPTER 3. Bikeway Information by Jurisdiction

A summary of the existing bikeways, related facilities, and programs under the jurisdiction of Orange County cities, the County, and the State of California are provided below. Bikeways information provided by each city partially satisfies requirements for state Bicycle Transportation Account (BTA) funding eligibility. As required in the Streets and Highways Code Section 891.2, this section provides the following existing conditions and plans for each jurisdiction:

- Land use and settlement patterns
- Population
- Estimated number of bicycle commuters
- Collisions involving bicyclists
- End-of-trip facilities
- End-of-trip facilities are available to bicyclists at the end of their commutes. Important end-of-trip facilities include storage such as bicycle parking and lockers, as well as showers and places to change clothes.
- Multi-modal facilities
- Multi-modal facilities allow bicyclists to connect to other modes of travel. Multi-modal facilities include park-and-ride locations and public transportation with facilities that allow for bicycles on board.
- Descriptions of bicycle safety and education programs
- Descriptions of past expenditures for bicycle facilities
- Existence of Bicycle Transportation Plan
- Bikeways

Most individual city population figures come from the 2006/2007 totals reported by the US Census Bureau. In some instances, more updated figures have been provided by individual city departments. The estimated numbers of bicycle commuters for each city is extrapolated from a number of studies and the U.S. Census 2000. Total estimated bicycle commuters include bike-to-work, transit, school, college and utilitarian bicycle commuters; it does not include recreational trips. See appendices for description of number extrapolation.

3.1. Aliso Viejo

Aliso Viejo is well-known as a strong and lively community designed to meet the growing needs of individuals, families, professionals and enterprising businesses. It is a balanced community with opportunities for housing, jobs, future-planned multi-modal transportation and recreation. An abundance of parks and trails, cultural and recreational activities and youth sports programs further enhance the quality of life for a community with a vision to ensure long-term viability.

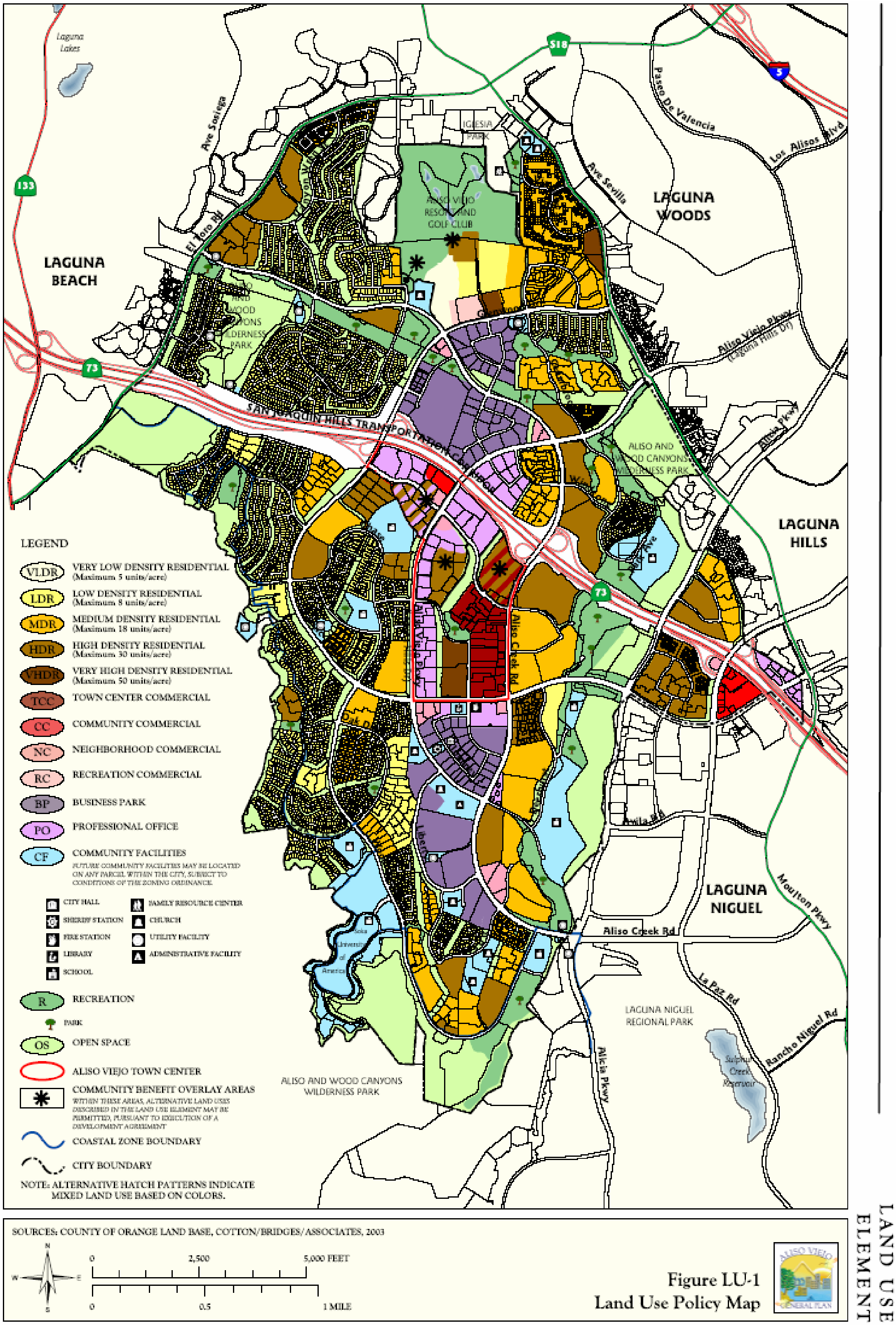
Population

40,166

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	273
Estimated Adjusted Mode Share	0.9%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	546
Reduced Vehicle Trips per Weekday	351
Reduced Vehicle Miles per Weekday	1,100
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	171
Total Future Daily Bicycle Commuters	444
Future Total Daily Bicycle Trips	888
Future Reduced Vehicle Trips per Weekday	648
Future Reduced Vehicle Miles per Weekday	2,981
Future Reduced Vehicle Miles per Year	789,984
Future Air Quality Benefits	
Reduced HC (metric tons/year)	2
Reduced CO (metric tons/year)	16
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	84,029
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.1 Aliso Viejo Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	22
Average # of Bicycle Collisions Per Year	4.4
Average Bicycle Collision Rate per 1000/year[1]	0.11
Index (relative to statewide average of 0.32 /1000)[2]	0.32

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index less than one (1.0) indicates that the local accident rate is lower than the statewide average.

End of Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Connectivity

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety & Education Programs

The City of Aliso Viejo does not currently provide bicycle-related safety and education programs.

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

The city of Aliso Viejo does not have an adopted Bicycle Transportation Plan.

Bikeways

Aliso Viejo Existing Bikeways

Street / Path	From	To	Class	Mileage
Existing Bikeway Information Not Provided				

Aliso Viejo Proposed Bikeways

Street/Path	From	To	Class	Mileage
Westwing	Canyon Wren	Aliso Creek Rd	Class II	0.38
Aliso Creek Rd.	Aliso Viejo Pkwy.	Pacific Park Dr.	Class II	1.26
Canyon Wren Ln.	Westwing	El Toro Rd.	Class II	0.56
			TOTAL	2.2 miles

Aliso Viejo Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class II	2.20	$280,000	$616,000
		Total	$616,000

3.2. Anaheim

With a population of 328,014 Anaheim is the second largest city in Orange County. It is also home to several tourist destinations, most notably the two Anaheim resort theme parks. The area surrounding the parks has been developed primarily with the tourist in mind. Anaheim is also home to the Anaheim Stadium and Honda Center sporting and entertainment venues. The western portion of the City is older and well established with a developed grid network of arterial streets. The eastern portion of the City, called Anaheim Hills, is relatively newer and is largely comprised of suburban subdivisions of single- and multi-family housing. Anaheim is also home to several industrial and commercial centers, including those located along Orangethorpe and La Palma Avenues.

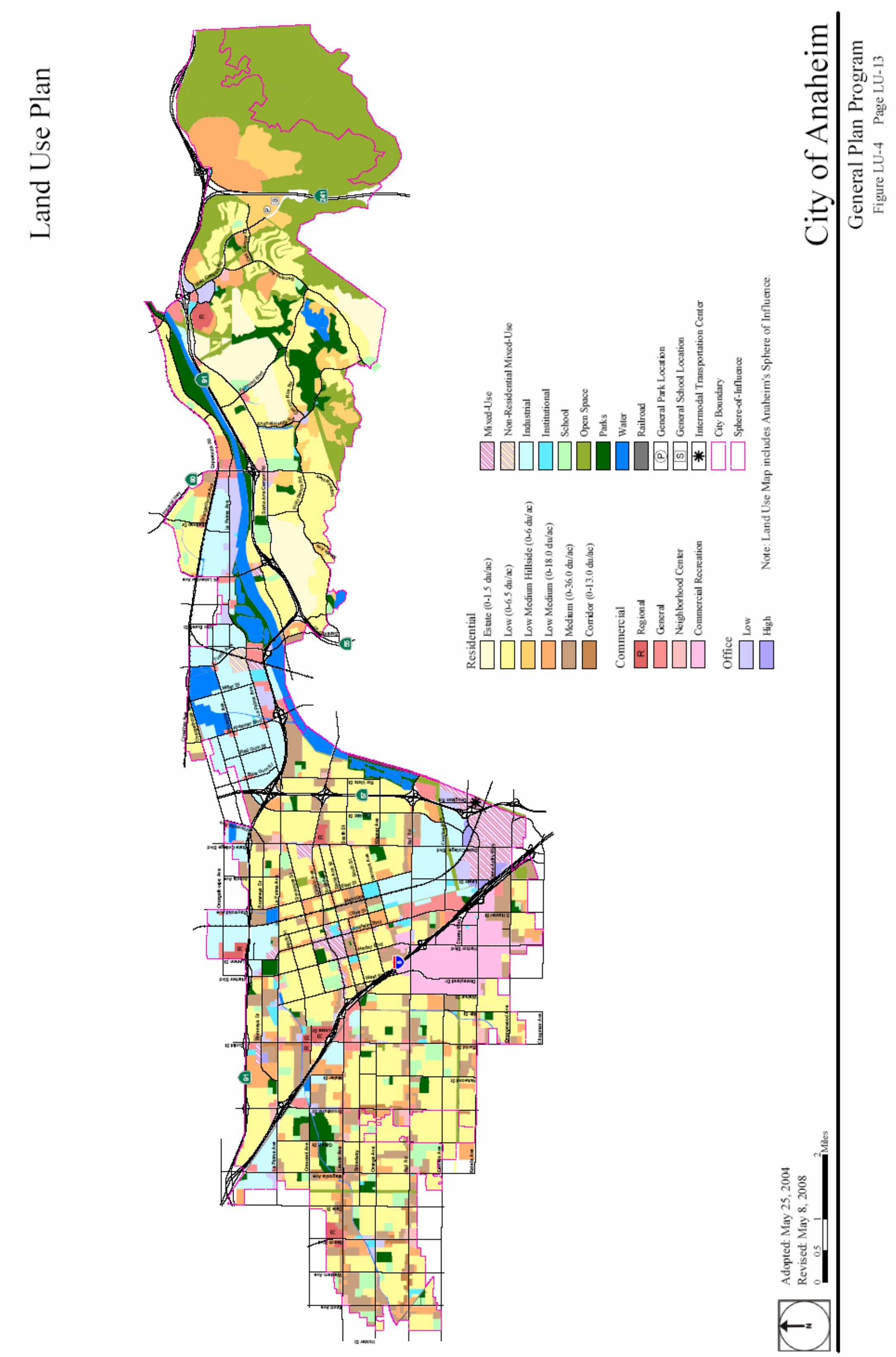
Population

328,014

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	4,138
Estimated Adjusted Mode Share	2.0%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	8,276
Reduced Vehicle Trips per Weekday	5,551
Reduced Vehicle Miles per Weekday	20,203
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	834
Total Future Daily Bicycle Commuters	4,972
Future Total Daily Bicycle Trips	9,944
Future Reduced Vehicle Trips per Weekday	7,259
Future Reduced Vehicle Miles per Weekday	33,391
Future Reduced Vehicle Miles per Year	8,848,636
Future Air Quality Benefits	
Reduced HC (metric tons/year)	24
Reduced CO (metric tons/year)	179
Reduced NOX (metric tons/year)	12
Reduced CO2 (metric tons/year)	941,212
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.2 Anaheim Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	523
Average # of Bicycle Collisions Per Year	104.6
Average Bicycle Collision Rate per 1000/year[1]	0.31
Index (relative to statewide average of 0.32 /1000)[2]	0.96

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index less than one (1.0) indicates that the local accident rate is lower than the statewide average.

End-of-Trip Facilities

Location	Type
200 S. Anaheim Blvd.	Bicycle Lockers
201 Anaheim Blvd.	Bicycle Lockers and Showers
235 E. Center St.	Bicycle Lockers

Multimodal Connectivity

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Metrolink/Amtrak/Rideshare/Bus	Anaheim Station 2150 E Katella Ave	Bicycle racks(6)/lockers(9) Bicycle racks on trains and buses
Metrolink/Rideshare/Bus	Anaheim Canyon Station 1039 N Pacific Center Dr	Bicycle racks(6)/lockers(15) Bicycle racks on trains and buses
Rideshare	Camelot Golf land 3200 Carpenter Ave	
Rideshare	State College Church of Christ 311 N State College Blvd	

Safety and Education Programs

The City of Anaheim has existing bicycle safety and education programs.

Expenditures

Facility	Improvement	From	To	Cost
Loara St.	Striped Class II	Crescent Ave	Wilshire Ave	
Crescent Ave.	Striped Class II	Chippewa Ave	Loara St	$ 62,000
Wilshire Ave.	Striped Class II	Loara St	Lincoln	
Frontera St.	Striped Class II	Park Vista St	Glassell	$ 44,164
Rio Vista St	Striped Class II	Mardi Gras Ave	Lincoln	
Miller St	Striped Class II	La Palma	Orangethorpe	$ 27,013
Orangewood Ave	Striped Class II	Euclid St	Janette Ln	$ 21,346
9th St	Striped Class II	Orangewood Ave	Katella Ave	$ 19,655
Miraloma Ave	Striped Class II	Tustin St	Van Buren St	$ 18,470
Broadway	Striped Class II	East St	State College Blvd	$ 8,470

Bicycle Transportation Plan

The city of Anaheim has an adopted Bicycle Master Plan as part of its General Plan.

Bikeways

Anaheim Existing Bikeways

Street/Path	From	To	Class	Mileage
Carbon Creek	Gilbert St.	Crescent Ave	Class I	0.50
Santa Ana River	Orange city limit	Yorba Linda city limit	Class I	10.50
Anaheim Hills Rd.	Santa Ana Canyon Rd.	Nohl Ranch Rd.	Class II	0.75
Brookhurst St.	Lincoln Ave.	Ball Rd.	Class II	1.00
Broadway	East St	State College Blvd	Class II	0.76
Cerritos Ave.	Buena Park city limit	Stanton city limit	Class II	0.25
Crescent Ave.	Chippewa Ave.	Loara St.	Class II	0.25
Euclid Ave.	Lincoln Ave.	Ball Rd.	Class II	1.00
Frontera St.	Park Vista St.	Glassell St.	Class II	0.70
Imperial Hwy	Nohl Ranch Rd.	Orange city limit	Class II	0.75
Kellogg Dr.	Yorba Linda city limit	Orangethorpe Ave.	Class II	0.75
Lakeview Ave.	La Palma Ave.	Santa Ana River	Class II	0.25
Loara St.	Crescent Ave.	Wilshire Ave.	Class II	0.25
Miller St.	Orangethorpe Ave.	La Palma Ave.	Class II	1.00
Miraloma Ave	Tustin St	Van Buren St	Class II	0.62
Ninth Street.	Katella Ave	Garden Grove city limit	Class II	0.25
Oak Canyon Dr.	Serrano Ave.	Weir Canyon Rd.	Class II	0.50
Orangewood Ave.	Euclid St.	Janette Ln.	Class II	0.72
Orangewood Ave.	Harbor Blvd.	Mountain View Ave.	Class II	0.75
Rio Vista St.	Mardi Gras Ave.	Wagner Ave.	Class II	0.75
Riverdale Ave.	Orange city limit	Lakeview Ave.	Class II	1.25
Santa Ana Canyon Rd	Orange city limit	Weir Canyon Rd.	Class II	6.00
Sunkist St..	Wagner Ave.	Cerritos Ave.	Class II	1.00
Weir Canyon Rd.	Santa Ana Canyon Rd.	Blue Sky Ln.	Class II	1.75
Wilshire Ave.	Loara St.	Lincoln Ave.	Class II	0.50
Orangethorpe Ave.	State College Blvd.	Placentia Ave.	Class III	0.50
Orangethorpe Ave.	Miller St.	Placentia city limit	Class III	0.25
Western Ave.	Buena Park city limit	Del Monte Dr.	Class III	0.50
			TOTAL	34.05 miles

Proposed Regional Priority Bikeways

Street/Path	From	To	Class	Mileage
Olive / UPRR Spur	Broadway	Santa Ana River Trail	Class I	4.00
La Palma Ave.	La Reina St.	Jefferson St.	Class II	8.34

Anaheim Proposed Bikeways

Street/Path	To	From	Class	Mileage
Academy Av Path	Dale Ave	Beach Blvd.	Class I	0.59
Dupont Path	Orange Wood Ave	Rampart St.	Class I	0.44
Magnolia Pathway	Lola Ave.	Crescent Ave.	Class I	1.64
OCTA Metrolink RR	Orange City Limit	West of the 57	Class I	0.3
Path 3	OCTA RR	Western Ave.	Class I	0.82
Sycamore / La Palma Connector	Sycamore	La Palma Ave.	Class I	0.12
UP RR Spur Path	UPRR Path	Walnut St.	Class I	0.47
Vermont / Wagner Connector	Vermont Ave.	Wagner Ave.	Class I	0.18
9th St.	Broadway	Katella Ave	Class II	1.77
Anaheim Blvd.	La Palma Ave.	Sycamore Ave.	Class II	0.53
Ball Rd section 1	Buena Park City Limit	Gilbert St.	Class II	2.74
Ball Rd section 2	County/City Border	Walnut St.	Class II	2.02
Broadway	Magnolia Path	Gilbert St.	Class II	1.93
Brookhurst St Section 1	Riverside Fwy.	Lincoln Ave.	Class II	1.51
Brookhurst St Section 2	Ball Rd.	Katella Ave	Class II	1.01
Camino Grande	Hickamore Ln.	Nohl Ranch Road	Class II	1.05
Canyon Creek Rd.	Serrano Ave.	Sunset Ridge Rd.	Class II	0.57
Canyon Rim Road	Fairmount Blvd.	Nohl Ranch Road	Class II	1.16
Cerritos Ave.	Magnolia Path	Sylvan st.	Class II	0.15
Citron St.	Santa Ana St.	Vermont Ave.	Class II	0.57
Crescent Ave.	Brookhurst St.	Loara St.	Class II	1.34
Crone Ave.	UPRR	Walnut St.	Class II	0.24
Douglass Rd.	UPRR	Katella Ave.	Class II	0.42
East St.	La Palma Ave.	Ball Rd.	Class II	2.08
Fairmount Blvd.	Santa Ana Canyon Rd.	Canyon Rim Road	Class II	1.07
Frontera St.	La Palma Ave.	Glassel St.	Class II	1.21
Gilbert St.	Tiger Woods Way	Broadway	Class II	0.57
Glassell St.	Frontera St.	Orange City Limit	Class II	0.04
Greda Dr.	Deana St.	Pinney Dr.	Class II	0.44
Grove St.	Mira Loma Ave.	La Palma Ave.	Class II	0.67
Gypsum Canyon	Riverside Fwy.	Gypsum Spur	Class II	0.38
Gypsum Spur	Weir Canyon Rd.	Gypsum Canyon Rd.	Class II	1.05
Knott Ave.	Lincoln Ave	Ball Rd	Class II	1.44
Lakeview Ave.	Orchard Dr.	Santa Ana Canyon Rd.	Class II	1.43
Lincoln Ave Section 1	Knott Ave.	La Reina St.	Class II	1.78
Lincoln Ave Section 2	Rio Vista St.	Orange City Limit	Class II	0.51
Lincoln Ave.	Manchester Ave.	Wilshire Ave.	Class II	0.15

Street/Path	To	From	Class	Mileage
Loara St.	Crescent Ave.	Wilshire Ave.	Class II	0.29
Magnolia Ave.	Kennely Ln.	Cerritos Ave	Class II	0.33
Manchester Ave.	Lincoln Ave.	Santa Ana St.	Class II	0.43
Miller St.	Orangethorpe Ave.	La Plama Ave.	Class II	0.99
Mira Loma Ave.	La Palma Ave.	Van Buren St.	Class II	3.2
Nohl Ranch Rd.	Anaheim Hills Rd.	Serrano Ave.	Class II	1.56
Oak Canyon Dr.	Weir Canyon Rd.	End of Oak Canyon	Class II	0.41
Olive St.	Santa Ana St.	Vermont Ave.	Class II	0.56
Orange Av.	Buena Park City Limit	Parkview St.	Class II	0.98
Orangethorpe Ave. #1	Kraemer Blvd.	Placentia City Limit	Class II	0.78
Orangethorpe Ave. #2	Lakeview Ave.	Imperial Hwy.	Class II	1.66
Orangewood Ave. Segment 1	Euclid St.	Janette Ln.	Class II	0.76
Orangewood Ave. Segment 2	West St.	Harbor Blvd.	Class II	0.5
Orangewood Ave. Segment 3	Mountain View Ave.	Dupont Dr.	Class II	1.02
Pinney Dr.	Greda	Nohl Ranch Road	Class II	0.53
Rio Vista St.	Wagner Ave.	La Palma Ave.	Class II	1.48
Royal Oak Rd.	Santa Ana Canyon Rd.	Nohl Ranch Road	Class II	0.52
Santa Ana St.	East St.	Walnut St.	Class II	1.63
Serrano Ave.	Weir Canyon Rd.	Orange City Limit	Class II	2.98
South St.	Peregrin St.	Rio Vista St.	Class II	0.65
Stage Coach Rd.	Nohl Ranch Rd.	Hickamore Ln.	Class II	0.46
Sunkist St.	La Palma Ave.	Wagner Ave	Class II	1.51
Sunset Ridge Rd.	Canyon Creek Rd.	Rossano Way	Class II	0.91
Vermont Ave.	Citron St.	Wayside St.	Class II	1.66
Wagner Ave.	State College Blvd.	Rio Vista St.	Class II	1.02
Walnut St.	Santa Ana St.	Ball Rd.	Class II	0.65
West St.	Santa Ana St.	La Palma Ave.	Class II	1.37
Western Ave.	Northern City Limit	Southern City limit	Class II	1.51
Westmont Dr.	Loara St.	West St.	Class II	0.49
			TOTAL	65.23

Anaheim Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	8.56	$1,500,000	$12,840,000
Class II	69.1	$280,000	$19,348,000
	77.66	Total	$32,188,000

3.3. Brea

Located in the foothills of North Orange County, Brea is a thriving city of over 40,000 residents. Destination shopping and restaurants abound. An award winning school district and a diverse business mix makes Brea the place to live, work and play.

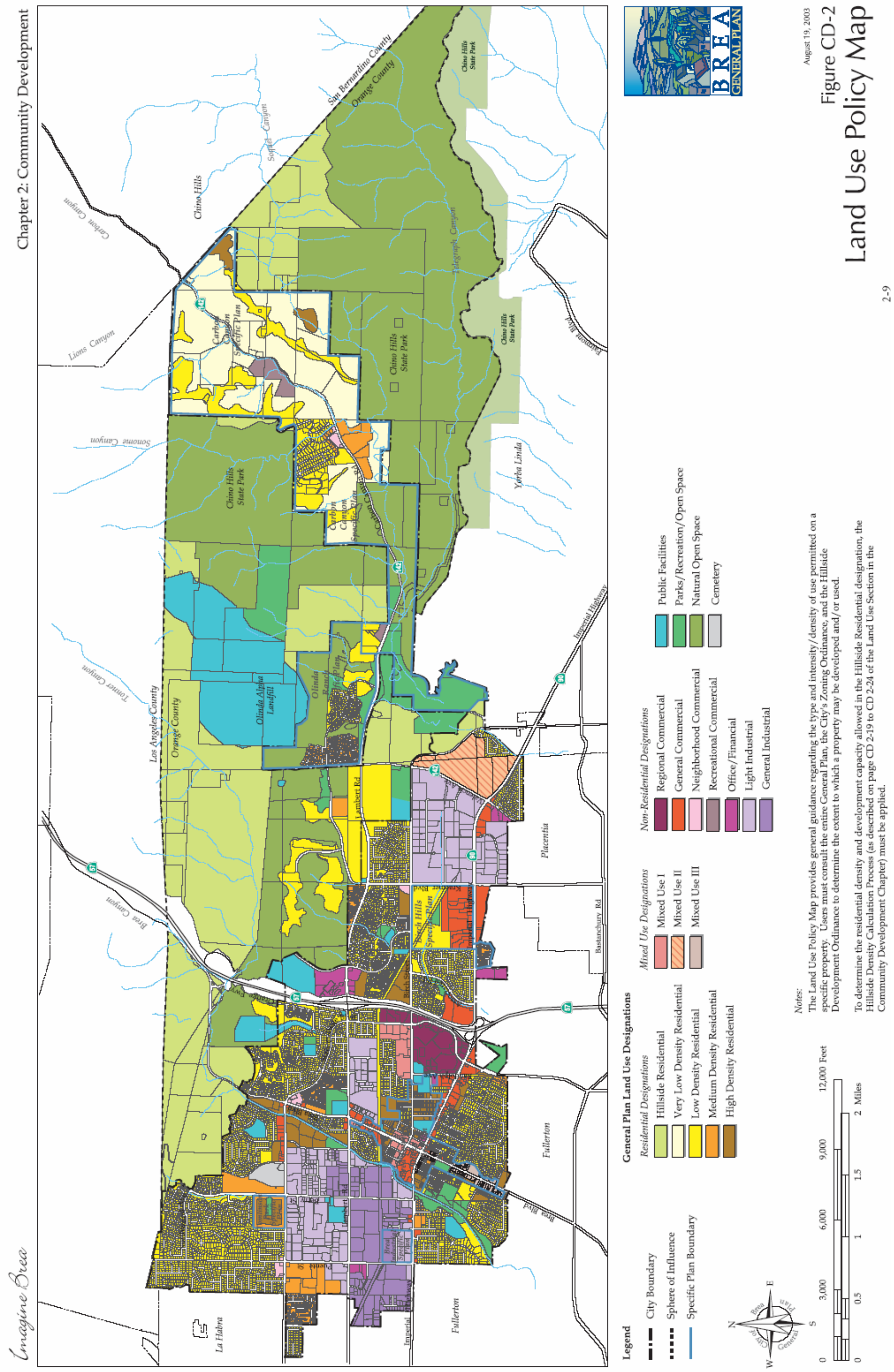
Population

40,081

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	300
Estimated Adjusted Mode Share	1.2%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	599
Reduced Vehicle Trips per Weekday	394
Reduced Vehicle Miles per Weekday	1,340
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	231
Total Future Daily Bicycle Commuters	530
Future Total Daily Bicycle Trips	1,060
Future Reduced Vehicle Trips per Weekday	774
Future Reduced Vehicle Miles per Weekday	3,561
Future Reduced Vehicle Miles per Year	943,643
Future Air Quality Benefits	
Reduced HC (metric tons/year)	3
Reduced CO (metric tons/year)	19
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	100,373
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.3 Brea Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	68
Average # of Bicycle Collisions Per Year	13.6
Average Bicycle Collision Rate per 1000/year[1]	0.35
Index (relative to statewide average of 0.32 /1000)[2]	1.08

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Location	Type
Brea Mall	Bicycle racks

The city's Circulation Plan requires the provision of secure bicycle parking as part of all future non-single family residential development.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Rideshare	Brea Park-and-Ride 1000 E Lambert Ave	Bicycle racks(7)

The Brea General Plan outlines a need to encourage daily bicycle use, specifically in providing bicycle-to-transit links. Four main components are identified for bicycle-transit integration: allowing bicycles on transit; offering bicycle parking at transit locations; improving bikeways to transit; and encouraging use of bicycle and transit programs. Implementation of the city's Circulation Plan requires identifying bicycle and pedestrian projects within the Capital Improvement Projects and through development fees that help to complete or enhance connections to bus stops.

Safety and Education Programs

Active	Yes
# Of Years Conducted	6
# Of Times a Year Conducted	All year long
Administered by	Police Department
Location	Schools
Program, Curriculum, and Activities	S.A.F.E. Program (Skills and Assets for Excellence) with specific bicycle safety and education lesson and workbook; bicycle rodeos; safety fairs
Other Bicycle Safety Support Programs	Bicycle registration and free bicycle helmets, special events
Total # of Children Reached	Approximately 4,000 per year
Age of Children Reached	Grades K-8
Other Program Notes	Police Department has bike patrols

Expenditures

Facility	Improvement	From	To	Cost
City-wide	Maintenance			$19,407

Bicycle Transportation Plan

Bicycle planning is discussed in the City of Brea's General Plan.

Bikeways

Brea Existing Bikeways

Street/Path	From	To	Class	Mileage
Carbon Creek Bike way	Carbon Canyon Rd.	Rose Dr.	Class I	1.3
E. La Habra Blvd.	Vallejo St.	N. Palm St.	Class II	.2
W. Central Ave.	N. Palm St.	N. Brea Blvd.	Class II	1.7
State College Blvd.	N. Brea Blvd.	Lark Ellen Dr.	Class II	2.4
E. Birch St.	S. State College Blvd	Valencia Ave.	Class II	2.1
Rose Dr.	Valencia Ave.	Vesuvius Dr.	Class II	.6
Associated Rd.	E. Birch St.	E. Imperial Hwy	Class II	.5
Elm St.	Arovista Park	S. State College Blvd	Class III	1.0

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
UP RR	Palm St.	Valencia Ave.	Class I	4.50
Birch St.	Mercury Ln.	State College Blvd	Class II	1.18

Brea Proposed Bikeways

Street/Path	From	To	Class	Mileage
Tonner Canyon Rd. Valencia Path	Valencia Ave.	Tonner Canyon Rd.	Class I	0.15
Wildcat Way to Valencia Ave. Path	Wildcat Way	Valencia Ave.	Class I	1.42
Carbon Canyon Rd.	Valencia Ave.	Los Angeles County Limit	Class I	4.35
Imperial Hwy.	Saturn St.	Placentia City Limit	Class I	0.75
Path 1	Imperial Hwy	Path 2	Class I	3.24
Path 2 Segment 1	Rose Dr.	County/City Border	Class I	0.15
Path 2 Segment 2	County/City Border	Carbon Canyon Rd	Class I	1.31
Path 3	Puente St	City Limit	Class I	2.43
Puente St.	Path 3	Northwood Ave.	Class I	2.47
Valencia Ave.	Imperial Hwy	County/City Border	Class I	0.80

Street/Path	From	To	Class	Mileage
Valencia Ave.	Tonner Canyon Rd.	Carbon Canyon Rd.	Class I	1.38
Brea Creek Flood Control Channel	UP RR	Arovista Park Parking Lot	Class I	1.50
Associated Rd -Wildcat Way	Birch St.	Wildcat Way to Valencia Ave. Path	Class II	1.20
Berry St.	Northwood Ave.	Imperial Hwy	Class II	1.75
Kraemer Blvd.	Placentia City Limit	Wildcat Way-Valencia Ave. Path	Class II	1.67
Lambert Rd.	La Habra City Limit	County/City Border	Class II	3.79
Northwood Ave.	Puente St.	Berry St.	Class II	0.57
Palm St.	Fullerton City Limit	La Habra City Limit	Class II	0.24
Rose Dr.	Venus Dr.	Blake Rd.	Class II	0.09
Saturn St.	Path 1	Imperial Hwy.	Class II	0.24
Soquel Canyon Rd.	Southern County/City Border	Eastern County/City Border	Class II	0.93
Brea Blvd.	Fullerton City Limit	City/County Border	Class III	2.24
Whittier Ave.	La Habra City Limit	Puente St.	Class III	0.25
			TOTAL	32.92 miles

Brea Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	24.45	$1,500,000	$36,675,000
Class II	11.66	$280,000	$3,264,800
Class III	2.45	$21,000	$51,450
		Total	$39,991,250

3.4. Buena Park

The City of Buena Park is also a well-established community within Orange County. Buena Park is host to many tourist destinations, including Knott's Berry Farm and Medieval Times. The City contains a developed network of older, grid arterial streets that typically do not provide enough space to accommodate bicycle lanes. Some of the arterials that serve many of the City's destinations include Beach Boulevard and La Palma and Orangethorpe Avenues. A regional shopping center is located at the intersection of Beach Boulevard and La Palma Avenue.

Population

82,452

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	1,033
Estimated Adjusted Mode Share	2.1%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	2,066
Reduced Vehicle Trips per Weekday	1,390
Reduced Vehicle Miles per Weekday	5,105
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	241
Total Future Daily Bicycle Commuters	1,274
Future Total Daily Bicycle Trips	2,547
Future Reduced Vehicle Trips per Weekday	1,859
Future Reduced Vehicle Miles per Weekday	8,553
Future Reduced Vehicle Miles per Year	2,266,542
Future Air Quality Benefits	
Reduced HC (metric tons/year)	6
Reduced CO (metric tons/year)	46
Reduced NOX (metric tons/year)	3
Reduced CO2 (metric tons/year)	241,088
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.4 Buena Park Land Use

Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	164
Average # of Bicycle Collisions Per Year	32.8
Average Bicycle Collision Rate per 1000/year[1]	0.40
Index (relative to statewide average of 0.32 /1000)[2]	1.25

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Metrolink/Rideshare/Bus	Buena Park Metrolink Station 8400 Lakeknoll Dr	Parking, Bicycle racks Bicycle racks on trains and buses

Safety and Education Programs

The City of Buena Park does not currently provide bicycle-related safety and education programs.

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

The City of Buena Park does not have a Bicycle Transportation Plan.

Bikeways

No bikeways or bike lanes or trails have been approved by City Council or installed or posted in the City at this time. The Council's decision is based on the negative and unacceptable impacts to parking and the need for unimpeded traffic flow.

3.5. Costa Mesa

The City of Costa Mesa is one of Orange County's leading cultural and business centers. Located 37 miles southeast of Los Angeles, 88 miles north of San Diego and 475 miles south of San Francisco, Costa Mesa encompasses a total of 16 square miles with its southernmost border only 1 mile from the Pacific Ocean. The current population of approximately 113,440 has grown from 16,840 at the time of incorporation in 1953. Since that time, it has evolved from a semi-rural farming community to a city with its local economy primarily based upon retail commercial business and action sports industries such as surfing, skateboarding, and snowboarding. A general law city, Costa Mesa has a council-manager form of government and staff of approximately 580 full-time employees.

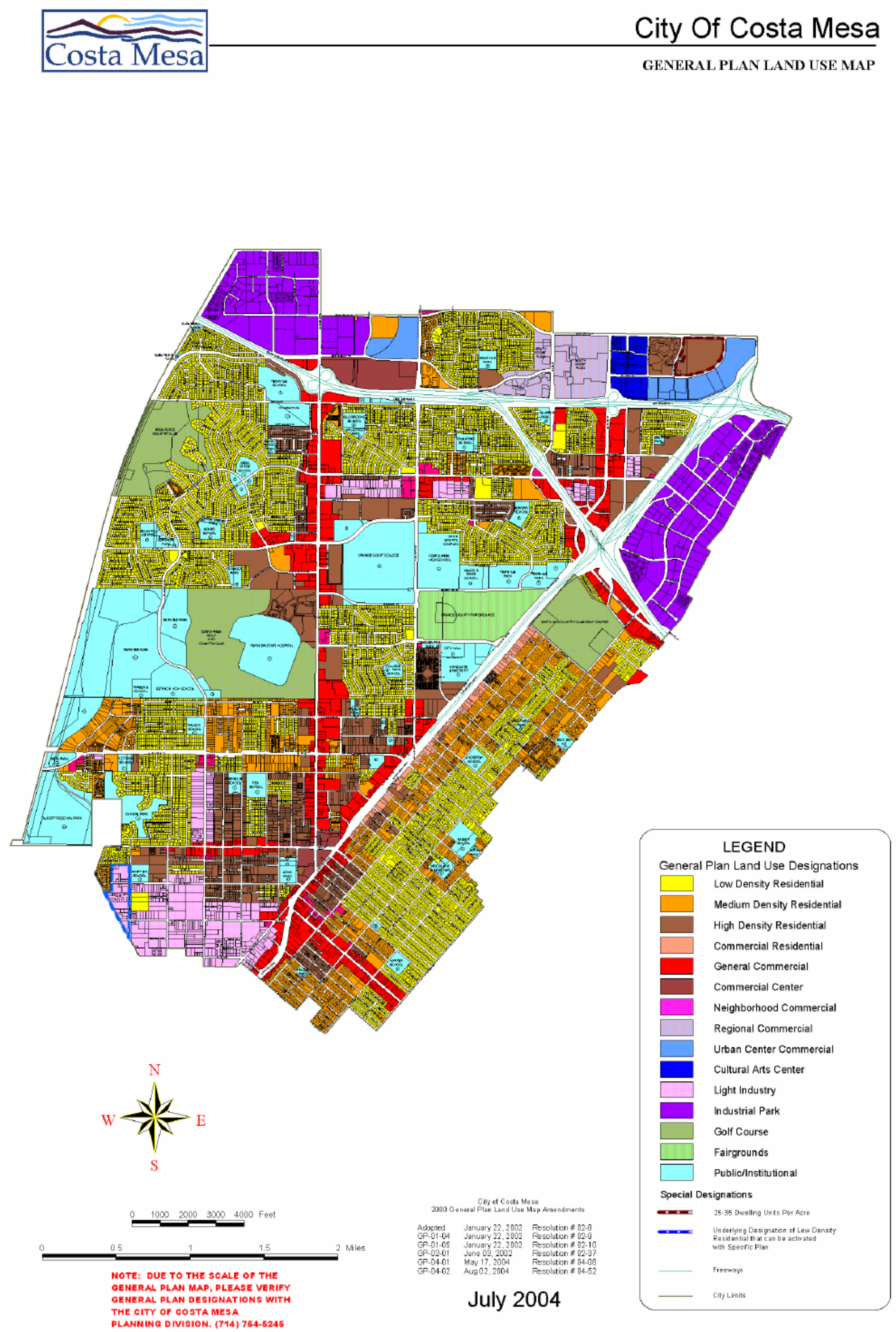
Population

113,440

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	1,971
Estimated Adjusted Mode Share	2.6%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	3,943
Reduced Vehicle Trips per Weekday	2,754
Reduced Vehicle Miles per Weekday	11,313
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	173
Total Future Daily Bicycle Commuters	2,144
Future Total Daily Bicycle Trips	4,289
Future Reduced Vehicle Trips per Weekday	3,131
Future Reduced Vehicle Miles per Weekday	14,401
Future Reduced Vehicle Miles per Year	3,816,353
Future Air Quality Benefits	
Reduced HC (metric tons/year)	23
Reduced CO (metric tons/year)	77
Reduced NOX (metric tons/year)	5
Reduced CO2 (metric tons/year)	405,938
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.5 Costa Mesa Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	389
Average # of Bicycle Collisions Per Year	77.8
Average Bicycle Collision Rate per 1000/year[1]	0.70
Index (relative to statewide average of 0.32 /1000)[2]	2.16

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Rideshare	South Coast Plaza Sunflower Ave/Bear St	

Safety and Education Programs

Active	Yes
# Of Years Conducted	
# Of Times a Year Conducted	
Administered by	Police Department
Location	
Program, Curriculum, and Activities	Distributes Cycle Safety Bike Rider's Guide
Other Bicycle Safety Support Programs	Bicycle Rodeos and Bicycle Licensing Program
Total # of Children Reached	
Age of Children Reached	
Other Program Notes	

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

Bicycle planning can be found in Costa Mesa's General Plan.

Bikeways

Costa Mesa Existing Bikeways

Street/Path	From	To	Class	Mileage
Anton	Ave. of the Arts	Sunflower	I	0.65
CM Golf & Country Club	Placentia	Merrimac	I	1.45
Fair	Arlington	Fairview	I	1.00
Fairiew Park	Santa Ana River	Fairview Park	I	1.80
Fairview State Hospital	Golf Course	Harbor	I	0.45
Gisler/SA River Path	Santa Ana River	Gisler	I	0.30
Mesa Verde	Adams	Golf Course	I	0.21
Sakioka	Anton	Sunflower	I	0.25
Santa Ana River Path	South City Limit	MacArthur	I	6.29
Sunflower/SA River Path	Santa Ana River	Sunflower	I	0.23
Upper Newport Bay Path	Del Mar	Irvine	I	1.19
Victoria	Placentia	Canyon	I	0.53
Adams	Santa Ana River	Harbor	II	1.49
Arlington	Fairview	Newport SB	II	0.88
Baker	Mesa Verde	Royal Palm	II	0.40
Baker	Coolidge	Bristol	II	1.04
Bear	I-405	Sunflower	II	0.44
California	Santa Ana River	Gisler	II	0.68
Fair	Harbor	Newport SB	II	1.23
Fairview	Sunflower	Newport SB	II	2.94
Gisler	Washington	Harbor	II	0.84
Hamilton	Placentia	Harbor	II	0.75
Hyland	MacArthur	South Coast	II	0.69
Irvine	16th	20th	II	1.00
MacArthur*	Santa Ana River	Harbor	II	0.52
Mendoza	Baker	El Camino	II	0.30
Merrimac	Harbor	Fairview	II	0.68
Mesa Verde	Adams	Adams	II	1.40
Paularino	Bristol	Red Hill	II	0.73
Paularino	Bear	Platte	II	0.13
Placentia	Adams	South City Limit	II	3.02
Red Hill	SR-73	I-405	II	1.62
Santa Ana	Broadway	23rd	II	1.13
South Coast	Hyland	Bear	II	1.98
Sunflower	Cadillac	Fairview	II	1.35
Sunflower	Park Center	East City Limit	II	0.91
Susan	Sunflower	South Coast	II	0.28
Victoria	Santa Ana River	Canyon	II	0.47
Victoria	Placentia	Newport SB	II	1.35
Wilson	Placentia	Harbor	II	0.75
			Total	43.34

* South side only.

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Santa Ana Ave.	23rd St.	Mesa Dr.	Class II	1.00

Costa Mesa Proposed Bikeways

Street/Path	From	To	Class	Mileage
Canyon	Victoria	Nancy Lane	I	0.44
Path1	Canyon	Path2	I	0.09
Path2	Placentia	Pacific	I	0.58
18th	Monrovia	Orange	II	1.18
22nd	Newport	Santa Ana	II	0.50
Adams	Harbor	Fairview	II	0.72
American	Victoria	Wilson	II	0.30
Baker	Royal Palm	Harbor	II	0.15
Baker	Harbor	Fairview	II	0.69
Baker	Bristol	Red Hill	II	0.61
Bear	Baker	Paularino	II	0.25
Del Mar	Newport	Santa Ana	II	0.57
Broadway	Tustin	Irvine	II	0.26
Gisler	Harbor	End of Street	II	0.52
19th	West City Limits	Monrovia	II	0.31
Monrovia	18th	19th	II	0.25
Newport	Industrial	Harbor	II	0.82
Orange	Rochester	Broadway	II	0.22
Path3	19th	Southern City Limits	II	0.42
Sunflower	Fairview	Park Center	II	1.45
Wilson	Harbor	Fairview	II	0.66
College	Gisler	Village	III	0.65
Village	College	Pinecreek	III	0.13
Pincecreek	Village	Adams	III	0.18
El Camino	Fairview	Mendoza	III	0.40
Mendoza	Baker	El Camino	III	0.30
			Total	12.65

Costa Mesa Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	1.11	$1,500,000	$1,665,000
Class II	10.88	$280,000	$3,046,400
Class III	1.66	$21,000	$34,860
		Total	$4,746,260

3.6. Cypress

Located in the northwest of Orange County, Cypress is host to the Los Alamitos Racetrack, Cypress College, and many other local destinations. The major arterials through the City along which many of these destinations are located include Valley View, Katella, and Lincoln Avenues, Moody Street, and Ball Road. The City of Cypress has an established grid network of arterial streets, and a developed network of bikeways.

Population

46,229

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	387
Estimated Adjusted Mode Share	1.2%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	775
Reduced Vehicle Trips per Weekday	499
Reduced Vehicle Miles per Weekday	1,577
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	213
Total Future Daily Bicycle Commuters	600
Future Total Daily Bicycle Trips	1,201
Future Reduced Vehicle Trips per Weekday	877
Future Reduced Vehicle Miles per Weekday	4,032
Future Reduced Vehicle Miles per Year	1,068,591
Future Air Quality Benefits	
Reduced HC (metric tons/year)	6
Reduced CO (metric tons/year)	22
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	113,664
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.6 Cypress Land Use

Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	92
Average # of Bicycle Collisions Per Year	18.4
Average Bicycle Collision Rate per 1000/year[1]	0.38
Index (relative to statewide average of 0.32 /1000)[2]	1.18

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety and Education Programs

The City of Cypress does not currently provide bicycle-related safety and education programs.

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

Bicycle planning can be found in the City of Cypress General Plan.

Bikeways

Cypress Existing Bikeways

Street/Path	From	To	Class	Mileage
Crescent Ave.	Acacia Dr.	Denni St.	*	*
Crescent Ave.	Denni St.	Summer	*	*
Crescent Ave.	Summer Pl.	Moody St.	*	*
Bloomfield	Lincoln Ave.	Cerritos	*	*
Denni St.	Lincoln Ave.	Ball Rd.	*	*
Denni St.	Ball Rd.	Marion	*	*
Denni St.	Marion Ave.	Cerritos	*	*
Moody St.	Crescent	Ball Rd.	*	*
Moody St.	Ball Rd.	Marion	*	*
Moody St.	Marion Ave.	Cerritos	*	*
Walker St.	Lincoln Ave.	Cerritos	*	*
Walker St.	R.R.	Katella	*	*
Valley View	Orange Ave.	Cerritos	*	*
Valley View	Cerritos	Border	*	*
Holder St.	Lincoln Ave.	Ball Rd.	*	*
Knott St.	Cerritos	Railroad	*	*

Orange Ave.	Bloomfield	Walker St.	*	*
Orange Ave.	Valley View	Holder St.	*	*
Ball Rd.	Bloomfield	Holder St.	*	*
Cerritos Ave.	Bloomfield	Walker St.	*	*
Cerritos Ave.	Walker St.	Camden	*	*
Cerritos Ave.	Camden Dr.	Valley	*	*
Cerritos Ave.	Valley View	Knott St.	*	*
Katella Ave.	Walker St.	Valley	*	*
Orangewood	Valley View	Knott St.	*	*
*Bikeway class and mileage unspecified				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Katella Ave.	Walker St.	Stanton City Limit	Class II	1.49

Cypress Proposed Bikeways

Street/Path	From	To	Class	Mileage
Bloomfield St.	Lincoln Ave.	Los Alamitos City Limit	Class II	0.98
Cerritos Ave.	Lexington Dr.	Walker St.	Class II	1.65
Denni St.	Lincoln Ave.	Orange Ave.	Class II	0.97
Holder St.	Cerritos Ave.	Stanton City Limit	Class II	1.05
Lincoln Ave.	Bloomfield St.	Buena Park City Limit	Class II	1.84
Orangewood Ave.	Valley View St.	Knott Ave.	Class II	1.00
Holder St.	Orangewood Ave.	Jaluit St.	Class II	0.18
Valley View St.	Lincoln Ave.	Orange Ave.	Class II	0.50
Walker St.	Crescent Ave.	Lincoln Ave.	Class III	0.50
			TOTAL	8.67miles

Cypress Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class II	9.66	$280,000	$2,704,800
Class III	0.50	$21,000	$10,500
		Total	$2,715,300

3.7. Dana Point

Dana Point is characterized by nearly seven miles of prominent coastal bluffs and rolling hills along the Pacific Ocean. Most noteworthy of these bluffs is a unique promontory known as the "Headlands" which overlooks Dana Point Harbor, one of the most significant manmade alterations of the Orange County coastline.

Dana Point Harbor provides slips and mooring for over 2,500 boats along with over 50 specialty shops and restaurants. The Harbor attracts thousands of visitors annually for shopping, sport fishing, walking, bicycling, parasailing and a host of recreational activities. The Dana Point Harbor is also considered the gateway to Doheny State Park, one of California's most popular beach facilities. The 62-acre State Park offers camping, picnicking, swimming, surfing, bicycling, tide pool exploration and more.

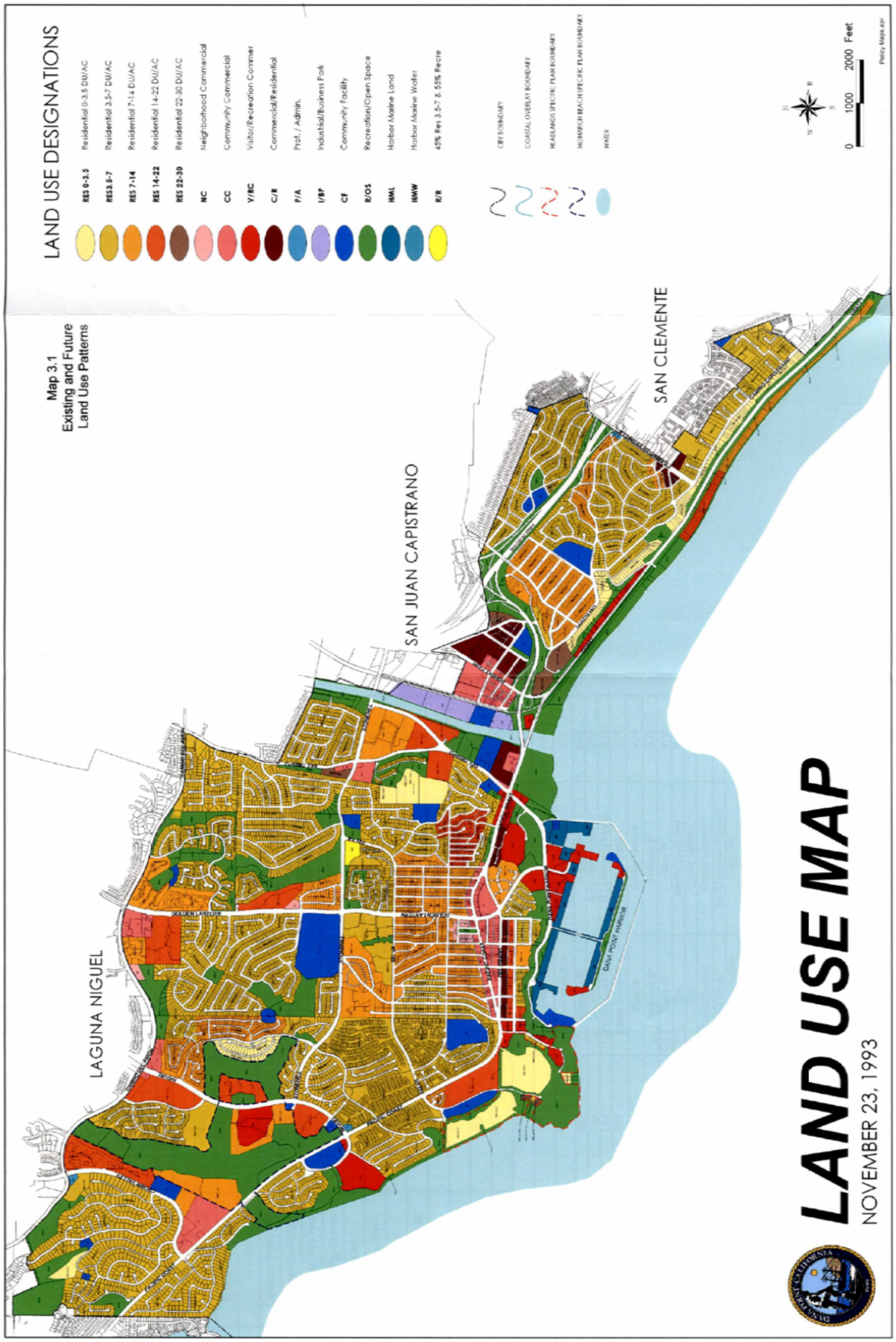
Population

35,945

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	268
Estimated Adjusted Mode Share	1.2%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	536
Reduced Vehicle Trips per Weekday	358
Reduced Vehicle Miles per Weekday	1,288
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	188
Total Future Daily Bicycle Commuters	456
Future Total Daily Bicycle Trips	913
Future Reduced Vehicle Trips per Weekday	666
Future Reduced Vehicle Miles per Weekday	3,065
Future Reduced Vehicle Miles per Year	812,295
Future Air Quality Benefits	
Reduced HC (metric tons/year)	5
Reduced CO (metric tons/year)	16
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	86,402
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.7 Dana Point Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	38
Average # of Bicycle Collisions Per Year	7.6
Average Bicycle Collision Rate per 1000/year[1]	0.21
Index (relative to statewide average of 0.32 /1000)[2]	0.65

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index lower than one (1.0) indicates that the local accident rate is lower than the statewide average.

End-of-Trip Facilities

Dana Point currently does not have any bicycle parking facilities that have been identified. However, Section 9.35.080 in the City's code allows development projects with a minimum parking requirement of fifty or more parking stalls to install up to eight percent of the required stalls with bicycle stalls in a properly secured and located rack. Also, Section 9.13.040 requires mixed-use projects with residential units to provide each residential unit a minimum of 45 cubic feet of exterior storage space and a bicycle locker capable of securing two bicycles.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety and Education Programs

Active	Yes
# Of Years Conducted	
# Of Times a Year Conducted	
Administered by	Police Department
Location	Schools
Program, Curriculum, and Activities	
Other Bicycle Safety Support Programs	
Total # of Children Reached	
Age of Children Reached	
Other Program Notes	Bike safety education available upon school request only; Police Department and volunteer program have bike patrol

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

Dana Point has a Bicycle and Pedestrian Trails Master Plan.

Bikeways

Dana Point Existing Bikeways

Street/Path	From	To	Class	Mileage
Coast Hwy.	Palisades Dr.	Camino Capistrano	Class I	*
Street of Blue Lantern	La Cresta Dr.	Pacific Coast Hwy.	Class II	*
Del Obispo St.	City Limit	Stonehill Dr.	Class II	*
Doheny Park Rd.	Quail Run	Pacific Coast Highway	Class I	*
Niguel Rd.	Camino Del Avion	Pacific Coast Highway	Class II	*
Pacific Coast Hwy.	Street of Copper Lantern	Northerly City Limit	Class II	*
Selva Rd.	Pacific Coast Hwy	Southerly City Limit	Class II	*
Selva Rd.	Pacific Coast Hwy.	Stonehill Dr.	Class II	*
Dana Point Harbor Dr.	Pacific Coast Hwy.	Street of Golden Lantern	Class II	*
Del Prado Ave.	Street of Blue Lantern	Street of Golden Lantern	Class II	*
Street of Golden	Dana Point Harbor Dr.	Stonehill Dr.	Class II	*
Acapulco Dr.	Street of Golden Lantern	Elisa Dr.	Class II	*
Camino Capistrano	Via Verde	Easterly City Limit	Class II	*
Del Obispo St.	Stonehill Dr.	Quail Run	Class II	*
Elisa Dr.	Acapulco Dr.	Santiago Dr.	Class	*
Elisa Dr.	Santiago Dr.	Acapulco Dr.	Class	*
Street of Golden	Stonehill Dr.	Camino Del Avion	Class	*
La Cresta Dr.	Chula Vista/Copper	Calle La Primavera/Copper	Class	*
Old Golden Lantern	Del Prado	El Camino Capistrano	Class	*
Palisades Dr.	Pacific Coast Hwy.	Camino Capistrano	Class	*
Santiago Dr.	Elisa Dr.	Taxco Dr.	Class	*
Coast Highway	Doheny Park Rd.	Palisades Dr.	N/A	*
Crown Valley Pkwy.	Pacific Coast Hwy.	Camino Del Avion	N/A	*
Del Prado Ave.	Street of Golden Lantern	Street of Copper Lantern	N/A	*
Pacific Coast Hwy.	San Juan Creek Bridge	Street of Copper Lantern	N/A	*
Stonehill Dr.	Niguel Rd.	Easterly City Limit	N/A	*
*Mileage unspecified				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Pacific Coast Hwy.	Monarch Bay Dr.	Street of the Blue Lantern	Class II	1.97
Pacific Coast Hwy.	Street of the Copper Lantern	Coast Hwy.	Class II	0.53
Stonehill Dr.	San Juan Capistrano City Limit	Niguel Rd.	Class II	2.13

Dana Point Proposed Bikeways

Street/Path	From	To	Class	Mileage
Margarita / Dana Strand Rd.	Scenic Rd.	Selva Rd.	Class I	0.34
OCTA Metrolink Path	PCH-Stonehill Connector	Palisades Dr.	Class I	0.81
PCH / Stone Connector	San Juan Capistrano City Limit	Coast Hwy.	Class I	1.04

Street/Path	From	To	Class	Mileage
PCH Path	Pacific Coast Hwy.	South of Via Subida	Class I	0.48
PCH Path SPUR	PCH Path	Stonehill Dr.	Class I	0.21
Camino Capistrano	San Juan Capistrano	Via Verde	Class II	0.56
Camino De Estrella	Camino Capistrano	San Clemente City Limit	Class II	0.13
Coast Hwy.	Pacific Coast Hwy.	Street of the Park Lantern	Class II	0.08
Del Prado Av.	Street of the Golden Lantern	Pacific Coast Hwy.	Class II	0.24
Niguel Rd.	Pacific Coast Hwy.	Laguna Niguel City Limits	Class II	1.05
Avenidas Las Palmas	Camino Capistrano	Camino De Estrella	Class III	0.71
Blue Lantern	La Cresta Dr.	Stonehill Dr.	Class III	0.58
Calle Velez	Via California	San Clemente City Limit	Class III	0.87
Camino El Molino	San Juan Capistrano City Limit	San Clemente City Limit	Class III	0.87
Coast Hwy.	Street of the Park Lantern	Palisades Dr.	Class III	1.09
Pacific Coast Hwy.	Cabrillo Wy	Monarch Bay Dr.	Class III	0.42
Copper Lantern	Selva Rd.	Pacific Coast Hwy.	Class III	0.42
Dana Point Harbor Dr.	Cove Rd.	End of Road	Class III	0.09
Doheny Park Rd.	Coast Hwy.	Camino Capistrano	Class III	0.61
La Cresta Dr.	Selva Rd.	End of Road	Class III	0.22
Scenic Dr / Cove Rd.	Marguerita Dr.	Dana Point Harbor Dr.	Class III	0.26
Via California	Camino Capistrano	Camino El Molino	Class III	0.60
Victoria Blvd.	Doheny Park Rd.	Pacific Coast Hwy.	Class III	0.31
Violet Lantern	Selva Rd.	Del Prado Ave.	Class III	0.50
			TOTAL	12.49 miles

Dana Point Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	2.88	$1,500,000	$4,320,000
Class II	6.69	$280,000	$1,873,200
Class III	7.55	$21,000	$158,550
		Total	$6,351,750

3.8. Fountain Valley

Located in the central portion of the County, Fountain Valley is a primarily a city of residential neighborhoods. Fountain Valley is home to Coastline College, Orange Coast Memorial Medical Center, and Mile Square Regional Park. The City's destinations are located along the grid of arterial streets, including Brookhurst and Euclid Streets, and Edinger, Warner, and Talbert Avenues.

Population

54,978

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	510
Estimated Adjusted Mode Share	1.4%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	1,020
Reduced Vehicle Trips per Weekday	680
Reduced Vehicle Miles per Weekday	2,426
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	270
Total Future Daily Bicycle Commuters	779
Future Total Daily Bicycle Trips	1,559
Future Reduced Vehicle Trips per Weekday	1,138
Future Reduced Vehicle Miles per Weekday	5,235
Future Reduced Vehicle Miles per Year	1,387,254
Future Air Quality Benefits	
Reduced HC (metric tons/year)	8
Reduced CO (metric tons/year)	28
Reduced NOX (metric tons/year)	2
Reduced CO2 (metric tons/year)	147,559
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.8 Fountain Valley Land Use

Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	103
Average # of Bicycle Collisions Per Year	20.6
Average Bicycle Collision Rate per 1000/year[1]	0.36
Index (relative to statewide average of 0.32 /1000)[2]	1.13

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Rideshare	King of Glory Lutheran Church - 10280 Slater Ave	
Rideshare	Mile Square Park - Euclid/Heil Ave	

Safety and Education Programs

The City of Fountain Valley does not have any bicycle safety and education programs.

Expenditures

Information on past bikeway facility expenditures is not available.

Bicycle Transportation Plan

Bicycle planning can be found in Fountain Valley's General Plan.

Bikeways

Fountain Valley Existing Bikeways

Street/Path	From	To	Class	Mileage
Mile Square Park Interior Path	Brookhurst St.	Mile Square Park Interior	Class I	*
Mile Square Park Perimeter	Ward St. Brookhurst	Las Flores St.	Class II	*
Newland St.	Garfield Ave.	Warner Ave.	Class II	*
Magnolia St.	Garfield Ave.	Slater Ave.	Class II	*
Bushard St.	Garfield Ave.	Northern City Limit	Class II	*
Ward St.	Garfield Ave.	Warner Ave.	Class II	*
Ward St.	Mile Square Park	Northern City Limit	Class II	*
Newhope St.	Slater Ave.	Northern City Limit	Class II	*
Edinger Ave.	Magnolia St.	Brookhurst St.	Class II	*
Heil Ave.	Magnolia St.	Brookhurst St.	Class II	*
Heil Ave.	Euclid St.	Newhope St.	Class II	*
Slater Ave.	Newland St.	Santa Ana River Path	Class II	*
Talbert Ave.	Newland St.	Bushard St.	Class II	*
Ellis Ave.	Newland St.	Ward St.	Class II	*
Garfield Ave.	Newland St.	Santa Ana River Path	Class II	*
* Mileage unspecified				

Fountain Valley Proposed Bikeways

Street/Path	From	To	Class	Mileage
Edinger Ave.	Brookhurst St.	Santa Ana City Limit	Class II	1.05
Edinger Ave.	Santa Ana City Limit	City Limit	Class II	0.72
Harbor Blvd.	Verbena Ct.	Edinger Ave.	Class II	0.32
Harbor Blvd.	Sylvan River	City Limit	Class II	0.35
Magnolia St.	Slater Ave.	Warner Ave.	Class II	0.49
Ward St.	Garden Grove City Limit	Margarita Ave.	Class III	0.02
			TOTAL	2.95 miles

Fountain Valley Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class II	2.93	$280,000	$820,400
Class III	0.02	$21,000	$420
		Total	$820,820

3.9. Fullerton

Located 22 miles southeast of metropolitan Los Angeles and in the center of North Orange County, Fullerton is a full-service city renowned for its unique mix of residential, commercial, industrial, educational, and cultural amenities. The result is a high quality of life for both residents and businesses alike. Fullerton is a community with a strong sense of tradition, one that treasures its historic past as it prepares to meet the challenges of its future.

The bikeway map reflects locally-adopted plans and programs that are currently in place and as a part of the current General Plan. The City of Fullerton is in the process of updating its General Plan and developing a Bicycle Element, which may create a more comprehensive strategy for local bikeway system by taking into consideration the regional connectivity with adjoining jurisdictions. In the near future when the new General Plan is available, there may be new policies and programs within the Bicycle Element that will influence future amendments to the maps and information contain in this Section.

Population

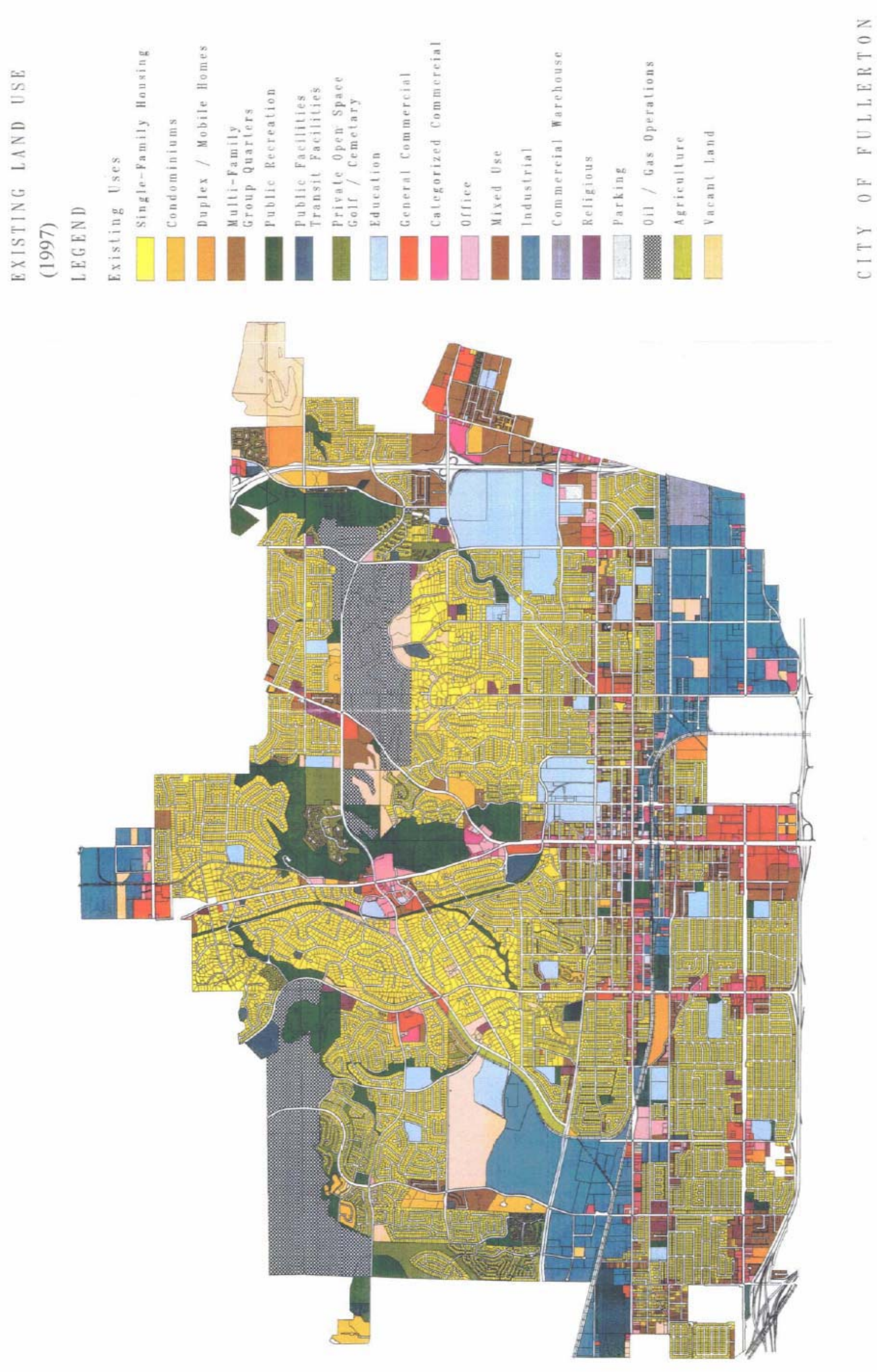
137,437[1]

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	**Number**
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	1,721
Estimated Adjusted Mode Share	2.0%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	3,443
Reduced Vehicle Trips per Weekday	2,358
Reduced Vehicle Miles per Weekday	9,156
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	589
Total Future Daily Bicycle Commuters	2,310
Future Total Daily Bicycle Trips	4,620
Future Reduced Vehicle Trips per Weekday	3,372
Future Reduced Vehicle Miles per Weekday	15,513
Future Reduced Vehicle Miles per Year	4,110,925
Future Air Quality Benefits	
Reduced HC (metric tons/year)	25
Reduced CO (metric tons/year)	83
Reduced NOX (metric tons/year)	6
Reduced CO2 (metric tons/year)	437,271
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

[1] CA Department of Finance, January, 2008

Map 3.9 Fullerton Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	225
Average # of Bicycle Collisions Per Year	45
Average Bicycle Collision Rate per 1000/year[1]	0.34
Index (relative to statewide average of 0.32 /1000)[2]	1.06

Notes:
1. Rate is calculated using City of Fullerton Engineering Department – Traffic Division collision data and population figures provided by the CA Deparment of Finance, 2008.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

The City of Fullerton Engineering Department is researching the possibility on adding bike racks to various locations within the City at commercial centers, in front of businesses, and in front of restaurants where ever feasible and permissible. Also, California State University at Fullerton (CSUF), as of 2007, has bike racks at 30 locations with a capacity of approximately 650 bikes. In addition, there is a directive message from the president of Cal State Fullerton's to promote on-campus use of personal forms of transportation. The directive encourages and supports the University use of alternative forms of transportation such as bicycles by its faculty, staff, and students where ever feasible. Per the Fullerton Municipal Code (FMC) Section 15.30.100, end of trip facilities are required for private developments of100,000 gross square feet. Bicycle racks and lockers are provided at the City of Fullerton's City Hall and bike racks are provided at Richman Park.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Bus/Rideshare	Fullerton Park-and-Ride W Orangethorpe/Magnolia Ave	Bicycle racks on buses Bicycle racks (8)
Metrolink/Amtrak/Bus/Rideshare	Fullerton Station	Bicycle racks (34)/lockers (24) Bicycle racks on trains/buses

Safety and Education Programs

Safety and education programs are being developed as part of the Bicycle Element, which is a part of the new General Plan that will be available in the near future.

Expenditures

Information on past bikeway facility expenditures is unavailable.

Bicycle Transportation Plan

Currently, the City of Fullerton's Bicycle Master Plan is part of the Circulation Element of its General Plan. The City is in the process of updating its General Plan, which will be completed in the near future. Under the new General Plan, the Bicycle Element offers Fullerton residents a plan designed to meet commuter and recreational user needs and provide safe connectivity to activity centers such as schools, open space/parks, residential neighborhoods, and commercial areas within the City and adjoining jurisdictions.

Fullerton Existing Bikeways

Street/Path	From	To	Class	Mileage
River Bike Path	N. State College Blvd.	Dorothy Ln.	Class I	*
Craig Regional Park bike way	Rolling Hills Dr.	Associated Rd.	Class I	*
N. Parks Rd.	Castlewood Dr.	Rosecrans Ave.	Class I	*
N. W. Campus Dr.	Yorba Linda Blvd.	N. State College Blvd.	Class I	*
S. W. Campus Dr.	N. State College Blvd.	Nutwood Ave.	Class I	*
W. Bastanchury Rd.	Hughes Dr.	W. Malvern Ave.	Class I	*
W. Malvern Ave.	N. Gilbert St.	W. Bastanchury Rd.	Class I	*
Associated Rd.	E. Imperial Hwy.	Yorba Linda Blvd.	Class II	*
Acacia Ave.	Chapman Ave.	Spring St.	Class II	*
Brea Blvd.	Panorama Rd.	E. Bastanchury Rd.	Class II	*
Castlewood Dr.	N. Gilbert St.	N. Parks Rd.	Class II	*
Commonwealth Ave.	Nutwood Ave	Chapman Ave	Class II	*
Dorothy Ln.	Raymond Ave.	Acacia Ave	Class II	*
E. Bastanchury Rd.	Associated Rd.	Cambridge Ave.	Class II	*
N. Berkeley Ave.	W. Valley View Dr.	E. Chapman Ave.	Class II	*
N. Harbor Blvd.	W. Valencia Mesa Dr.	W. Valley View Dr.	Class II	*
N. Harbor Blvd.	Las Palmas Dr.	Bastanchury Rd.	Class II	*
N. Parks Rd.	Peacock Ln.	W. Bastanchury Rd.	Class II	*
Rolling Hills Dr.	Puente St.	Hickory Pl.	Class II	*
Rolling Hills Dr.	Associated Rd.	Tri-City Park	Class II	*
Rosecrans Ave.	Sunny Ridge Dr.	N. Gilbert St.	Class II	*
Rosecrans Ave.	W City Limit	N. Gilbert St.	Class II	*
S. Highland Ave.	W. Orangethorpe Ave.	W. Hill Ave.	Class II	*
S. Highland Ave.	W. Wilshire Ave.	W. Rosslynn Ave.	Class II	*
W. Orangethorpe Ave.	Jefferson Ave.	Ray Ave.	Class II	*
W. Pioneer Ave.	N. Gilbert St.	N. Parks Rd.	Class II	*
Parks Rd	N. Gilbertt St	Bastanchury Rd	Class II	*
Valencia Dr	Brookhurst Rd	Highland Ave	Class II	*
W. Walnut Ave.	S. Richman Ave.	S. Highland Ave.	Class II	*
E. Orangethorpe Ave.	Raymond Ave.	S. Acacia Ave.	Class II	*
Orangethorpe Ave.	Magnolia Ave.	Basque Ave.	Class II	*
Orangethorpe Ave.	Brookhurst Rd	Highland Ave.	Class II	*
Brea Blvd.	N. Harbor Blvd.	Panorama Rd.	Class III	*
Brea Blvd.	Evergreen Ave.	E. Bastanchury Rd.	Class III	*
Brea Blvd.	Rolling Hills Dr.	Fir St.	Class III	*
Brookhurst Rd.	W. Valencia Dr.	W. Orangethorpe Ave.	Class III	*
Dorothy Ln.	Hornet Wy.	N. State College Blvd.	Class III	*
Chapman Ave	Basque Ave.	Woods Ave.	Class III	*
E. Commonwealth Ave.	N. Acacia Ave.	N. State College Blvd.	Class III	*
N Gilbert	Valencia Dr	Orangethorpe Ave	Class III	*
Hornet Wy.	Dorothy Ln.	N. Berkeley Ave.	Class III	*
Madison Ave.	N. Placentia Ave.	City Limit	Class III	*
Nutwood Ave	Orange Fwy.	N. Placentia Ave.	Class III	*
Rosecrans Ave.	N. Gilbert St.	N. Parks Rd.	Class III	*
S. Richman Ave.	Valencia Dr.	Houston Ave.	Class III	*
Sunny Ridge Dr.	Rosecrans Ave.	W. Malvern Ave.	Class III	*
Valencia Dr.	Meade Ave.	S. Richman Ave.	Class III	*

Street/Path	From	To	Class	Mileage
Valencia Mesa Dr.	Sunny Crest Dr.	Youth Way	Class III	*
W. Chapman Ave.	N. Basque Ave.	N. Woods Ave.	Class III	*
W. Malvern Ave.	W. Bastanchury Rd.	Carhart Ave.	Class III	*
Walnut Ave.	S. Highland Ave.	S. Lemon St.	Class III	*
W. Valencia Mesa Dr.	W. Bastanchury Rd.	Harbor Blvd	Class III	*
W. Valley View Dr.	N. Berkeley Ave.	N. Harbor Blvd.	Class III	*
Wilshire Ave.	N. Woods Ave.	Harbor Blvd	Class III	*
* mileage unspecified				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
BNSF RR	Commonwealth Ave.	Metrolink RR	Class I	2.32
UP RR	BNSF RR	La Habra City Limit	Class I	4.83
Rosecrans / Euclid Path	Euclid St.	Rosecrans Ave.	Class II	2.31

Fullerton Proposed Bikeways

Street/Path	From	To	Class	Mileage
Madison Ave.	Placentia City Limit	Placentia Ave.	Class I	0.13
Bastancury Parkview Path	Bastanchury Dr.	Park View Dr.	Class I	1.20
Drainage Path	Raymond Ave.	State College Blvd.	Class I	0.97
Madison Continuation Path	End of Madison Ave.	CSUFullerton	Class I	0.41
Malvern Ave.	Gilbert St.	Buena Park City Limit	Class I	1.02
OCTA Metrolink RR	BNSF RR	Anaheim City Limit	Class I	0.43
Bastanchury/Valencia Mesa	Bastanchury Dr.	Valencia Mesa Dr.	Class I	0.71
Puente St.	Rosarita Dr.	Brea City Limit	Class I	0.06
Rolling Hills Bastanchury Path	Puente St.	Bastanchury Rd.	Class I	0.62
Rolling Hills Dr.	Hickory Pl.	Associated Rd.	Class I	0.29
Yorba Ranchito Path.	Rolling Hills Dr.	Craig Regional Park	Class I	0.28
Roberta Ave. / Page Ave.	Gilbert St.	Basque Ave.	Class II	1.09
Artesia Ave.	Dale Pl.	Gilbert St.	Class II	0.99
Basque Ave.	Malvern Ave.	Houston Ave.	Class II	1.44
Bastanchury Rd Segment 1	Harbor Blvd.	Associated Rd.	Class II	2.74
Bastanchury Rd Segment 2	Malvern Ave.	Parks Rd.	Class II	0.82
Bradford Ave.	Carlson Ln.	Yorba Linda Blvd.	Class II	0.37
Brea Blvd.	Harbor Blvd.	Panorama Rd.	Class II	0.85
Brea Blvd.	Bastanchury Dr.	Brea City Limit	Class II	0.59
Brookhurst Rd.	Commonwealth Ave.	Riverside Fwy.	Class II	1.10
Campus Dr.	Campus Dr.	E. Campus Dr.	Class II	0.19
Campus Path	Associated Rd.	E. Campus Dr.	Class II	0.26
Chapman Ave.	Basque Ave.	Woods Ave.	Class II	0.77
Chapman Ave.	Drake Ave.	Placentia Ave.	Class II	3.24
Commonwealth Ave.	Dale St.	State College Blvd.	Class II	5.50
CSUF Path	E. Campus Dr.	Campus Dr.	Class II	0.45
Dorothy Ln.	Long View Dr.	State College Blvd.	Class II	1.32
E Campus Dr.	Campus Dr.	Campus Path	Class II	0.38
Euclid St.	Riverside Fwy.	Country Hills Dr.	Class II	4.08
Gilbert St.	Castlewood Dr.	Commonwealth Ave.	Class II	2.94

Street/Path	From	To	Class	Mileage
Harbor Blvd.	Bastanchury Dr.	Valencia Mesa Dr.	Class II	0.15
Highland Ave. Segment 1	Malvern Ave.	Wilshire Ave.	Class II	0.22
Highland Ave. Segment 2	Rosslynn Ave.	Hill Ave.	Class II	0.19
Highland Ave. Segment 3	Orangethorpe Ave.	Baker Ave.	Class II	0.17
Magnolia Ave.	Commonwealth Ave.	Anaheim City Limit	Class II	1.09
Malvern Ave.	Sunny Ridge Dr.	Basque Ave.	Class II	1.08
Orangethorpe Ave. Segment 1	Buena Park City Limit	Magnolia Ave.	Class II	0.51
Orangethorpe Ave. Segment 2	Basque Ave.	Jefferson Ave.	Class II	0.63
Orangethorpe Ave. Segment 3	Ray Ave.	Lemon St.	Class II	0.62
Orangethorpe Ave. Segment 4	Acacia Ave.	Placentia Ave.	Class II	0.84
Parks Rd.	Castlewood Dr.	UPRR	Class II	1.09
Parks Rd. Path	Castlewood Dr.	La Habra City Limit	Class II	0.47
Pioneer Ave.	Sunny Ridge Dr.	Sunny Ridge Dr.	Class II	0.24
Placentia Ave.	Palm Dr.	Ruby Dr.	Class II	0.89
Richman Ave.	Walnut Ave.	Valencia Dr.	Class II	0.13
Rosecrans Segment 1	LA County Limit	Sunny Ridge Dr.	Class II	0.88
Rosecrans Segment 2	Euclid St.	Gilbert St.	Class II	1.30
Rosslynn Ave.	Pomona Ave.	Lemon St.	Class II	0.12
State College Blvd.	Orangethorpe Ave.	Rolling Hills Dr.	Class II	3.07
Sunny Ridge Dr.	Pioneer Ave.	Rosecrans Ave.	Class II	0.55
Sunny Ridge Dr.	Pioneer Ave.	Malvern Ave.	Class II	0.62
Valencia Dr.	Highland Ave.	Meade Ave.	Class II	3.09
Valencia Mesa Dr.	Sunny Crest Dr.	Youth Way	Class II	0.24
Yorba Linda Blvd.	Campus Dr.	Bradford Ave.	Class II	1.15
Acacia Ave.	Melody Ln.	Dorothy Ln.	Class III	0.10
Baker Ave.	Pacific Dr.	Highland Ave.	Class III	1.62
Barbara Blvd.	Brea Blvd.	Melville Dr.	Class III	0.19
Berkeley Ave.	Commonwealth Ave.	Chapman Ave.	Class III	0.25
Cherry Ave.	Pine Ave.	Cedar Dr.	Class III	0.25
Gilbert St.	Castlewood Dr.	La Habra City Limit	Class III	0.36
Gilbert St.	Riverside Fwy.	Commonwealth Ave.	Class III	1.08
Harbor Blvd.	Berkeley Ave.	Union Ave.	Class III	0.12
Hermosa Dr.	Lakeview Dr.	Puente St.	Class III	1.26
Hill Ave. Segment 1	Lee Ave.	Euclid St.	Class III	0.36
Hill Ave. Segment 2	Highland Ave.	Harbor Blvd.	Class III	0.25
Knepp Ave.	Roosevelt Ave.	Highland Ave.	Class III	0.71
Laguna Rd.	Euclid St.	Valencia Mesa Dr.	Class III	1.09
Lakeview Dr.	Hermosa Dr.	Codo St.	Class III	1.10
Las Palmas Dr.	Lakeview Dr.	Puente St.	Class III	1.17
Lee Ave.	Southgate Ave.	Hill Ave.	Class III	0.06
Lemont St.	Wilshire Ave.	Riverside Fwy.	Class III	1.24
Longview Dr.	Dorothy Ln.	Brea Blvd.	Class III	0.82
Madison Ave.	Placentia Ave.	End of Madison Ave.	Class III	0.14
Malden Ave.	Union Ave.	Malvern Ave.	Class III	0.15
Malvern Ave.	Malden Ave.	Woods Ave.	Class III	0.64
Marion Blvd.	Barbara Blvd.	Avalon Dr.	Class III	0.20
Melody Ln.	Acacia Ave.	Melody Ln. Path	Class III	0.12
Melville Dr.	Marion Blvd.	Avalon Dr.	Class III	0.21

Street/Path	From	To	Class	Mileage
Olive Ave.	Magnolia Ave.	Pine Dr.	Class III	0.53
Pomona Ave. Segment 1	Walnut Ave.	Rosslyn Ave.	Class III	0.32
Park View Dr.	Helen Dr.	Marion Blvd.	Class III	0.04
Pine Dr.	Olive Ave.	Cherry Ave.	Class III	0.05
Pioneer Ave.	Sunny Ridge Dr.	Gilbert St.	Class III	0.30
Puente St.	Bastanchury Dr.	Juniper St.	Class III	0.60
Richman Ave.	Sunny Crest Dr.	Commonwealth Ave.	Class III	1.29
Roosevelt Ave.	Knepp Ave.	Southgate Ave	Class III	0.05
Santa Fe Ave.	Pomona Ave.	Lemon St.	Class III	0.13
Southgate Ave.	Cedar Ave.	Lee Ave.	Class III	0.93
Sunny Crest Dr.	Valencia Mesa Dr.	Valley View Dr.	Class III	0.65
Valley View Blvd.	Sunny Crest Dr.	West of Brea Blvd.	Class III	0.08
Union Ave.	Harbor Blvd.	Pomona Ave.	Class III	0.27
Pomona Ave. Segment 2	Union Ave.	Santa Fe Ave.	Class III	0.58
Walnut Ave.	Richman Ave.	Highland Ave.	Class III	0.25
Woods Ave.	Malvern Ave.	Chapman Ave.	Class III	0.06
			TOTAL	83.66 miles

Fullerton Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	13.27	$1,500,000	$19,905,000
Class II	50.77	$280,000	$14,215,600
Class III	19.62	$21,000	$412,020
		Total	$34,532,620

3.10. Garden Grove

Garden Grove is a vibrantly progressive and growing city located just south of Los Angeles in Orange County, California. Garden Grove's motto, "The City of Youth and Ambition," accurately reflects this culturally diverse community of over 170,000 people. Garden Grove is home to four annual cultural festivals that celebrate the Vietnamese, Korean, Arabic, and American heritage. Garden Grove's Strawberry Festival, nearing 50 years old, is the largest community-based Memorial Day event in the western United States.

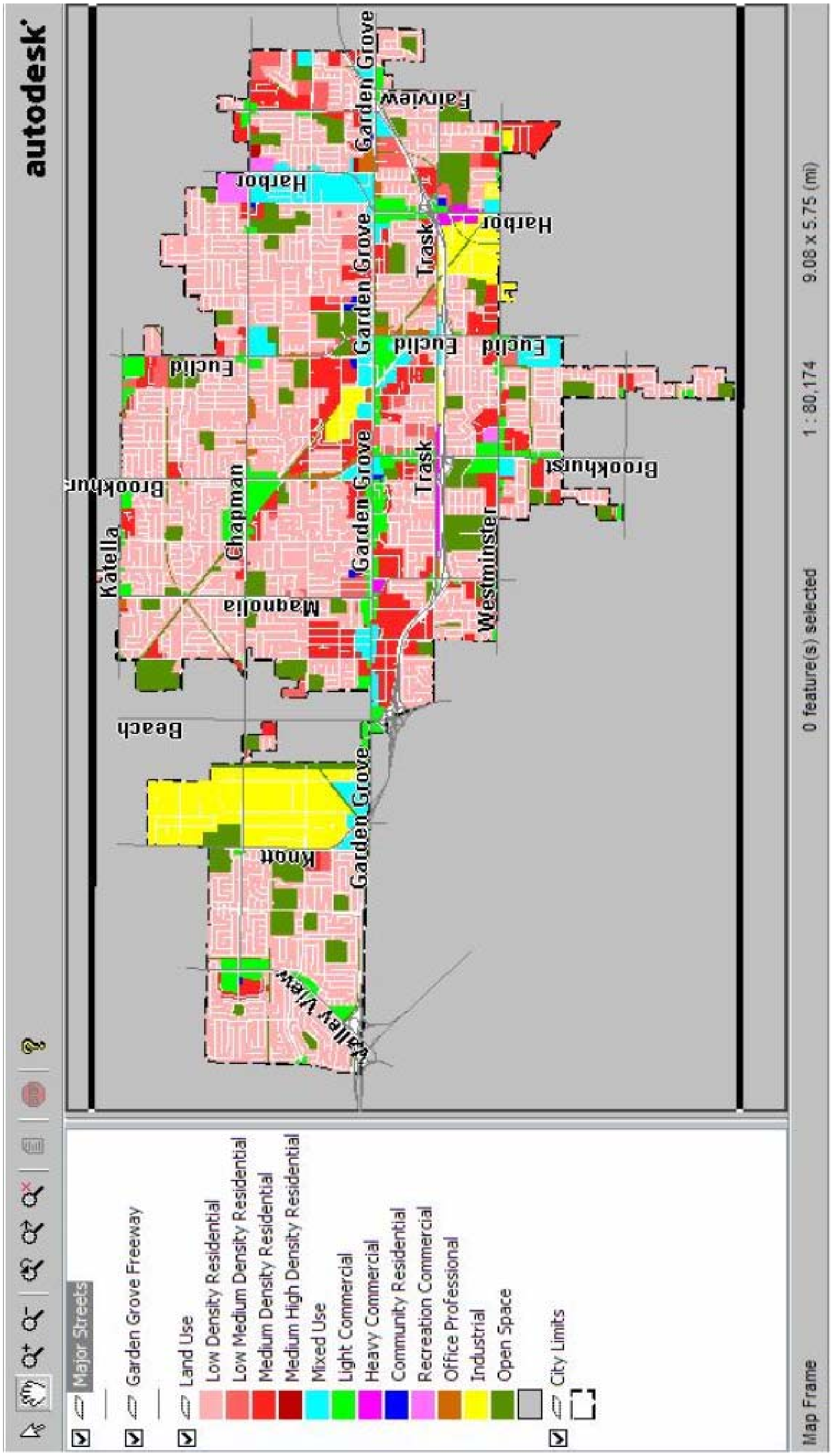
Population

166,296

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	1,589
Estimated Adjusted Mode Share	1.5%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	3,179
Reduced Vehicle Trips per Weekday	2,077
Reduced Vehicle Miles per Weekday	6,916
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	442
Total Future Daily Bicycle Commuters	2,031
Future Total Daily Bicycle Trips	4,063
Future Reduced Vehicle Trips per Weekday	2,966
Future Reduced Vehicle Miles per Weekday	13,642
Future Reduced Vehicle Miles per Year	3,615,097
Future Air Quality Benefits	
Reduced HC (metric tons/year)	22
Reduced CO (metric tons/year)	73
Reduced NOX (metric tons/year)	5
Reduced CO2 (metric tons/year)	384,531
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.10 Garden Grove Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	332
Average # of Bicycle Collisions Per Year	66.4
Average Bicycle Collision Rate per 1000/year[1]	0.40
Index (relative to statewide average of 0.32 /1000)[2]	1.22

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Location	Type
Garden Grove City Hall - 11222 Acacia Pkwy	Bicycle racks (8)

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Rideshare	Church of the Nazarene 13411 Euclid St	

Safety and Education Programs

Active	Yes
# Of Years Conducted	
# Of Times a Year Conducted	
Administered by	Police Department
Location	
Program, Curriculum, and Activities	Bicycle Safety and Education workbooks, tips handouts, bicycle rodeos
Other Bicycle Safety Support Programs	
Total # of Children Reached	
Age of Children Reached	
Other Program Notes	

Expenditures

Information on past bicycle facility expenditures is not available.

Bicycle Transportation Plan

Garden Grove's Bicycle Master Plan is part of its General Plan.

Bikeways

Garden Grove Existing Bikeways

Street/Path	From	To	Class	Mileage
Lampson Ave.	Bolsa Chica	Lewis St.	Class II	*
Ninth St.	Orangewood	Chapman	Class II	*
Ward St.	Edinger Ave.	Hazard	Class II	*
Brookhurst St.	Katella Ave.	Hazard	Class III	*
Chapman Ave.	Valley View	Lewis St.	Class III	*
Orangewood	Dale St.	Gilbert St.	Class III	*
* Location of bikeway and mileage unknown				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Euclid St.	Orangewood Ave.	Westminster Ave.	Class II	6.14
Westminster Ave.	Bushard St.	Brock Ln.	Class II	3.22

Garden Grove Proposed Bikeways

Street/Path	From	To	Class	Mileage
Path 1	Barclay Dr.	Briarwood St.	Class I	1.50
Trask/ Westminster Path	Trask Ave.	Westminster Ave.	Class I	0.50
UP RR	Chapman Ave.	Garden Grove Blvd.	Class I	1.01
9th St.	Acacia Pkwy.	Garden Grove Blvd.	Class II	1.00
Bowen St.	Westminster Ave.	Morningside Dr.	Class II	0.22
Morningside Dr.	Bowen St.	Ward St.	Class II	0.06
17th St.	Westminster Blvd.	Santa Ana City Limit	Class II	0.03
Brookhurst St. Segment 1	Katella Ave.	Chapman Ave.	Class II	0.99
Brookhurst St. Segment 2	Trask Ave.	Hazard Ave.	Class II	1.00
Chapman Ave. Segment 1	Magnolia St.	Loraleen St.	Class II	0.24
Chapman Ave. Segment 2	West St.	9th St.	Class II	0.50
Garden Grove Blvd.	9th St.	New Hope St.	Class II	0.18
Harbor Blvd.	Chapman Ave.	Westminster Ave.	Class II	2.17
Katella Ave.	Dale Ave.	Magnolia St.	Class II	1.01
Knott Ave.	Garden Grove Fwy.	Stanton City Limit	Class II	1.82
Lampson Ave.	Merrill St.	Haster St.	Class II	0.96
Magnolia St.	Katella Ave.	Westminster City Limit	Class II	3.08
Mc Fadden Ave.	Ward St.	End of McFadden Ave.	Class II	0.12
Newland St.	Garden Grove Blvd.	Westminster Ave.	Class II	1.00
Orangewood Ave. Segment 1	Knott Ave.	Western Ave.	Class II	0.54
Orangewood Ave. Segment 2	Stanton City Limit	Mossler St.	Class II	0.09
Orangewood Ave. Segment 3	Dale St.	Euclid St.	Class II	2.50
Orangewood Ave. Segment 4	Jacalene Ln.	Anaheim City Limit	Class II	0.63
Trask Ave.	Wilson St.	Brookhurst St.	Class II	1.66
Valley View St.	Santa Catalina Ave.	Garden Grove Blvd.	Class II	1.46
Western Ave.	Simmons Pl.	Garden Grove Blvd.	Class II	1.25
Western Ave.	Simmons Pl.	Garden Grove Blvd.	Class II	1.25
Bushard St.	Westminster Ave.	Westminster City Limit	Class III	0.25
Century Blvd.	Garden Grove Blvd.	Taft St.	Class III	0.23

Street/Path	From	To	Class	Mileage
Dale St.	Katella Ave.	Garden Grove Blvd.	Class III	2.02
Gilbert St.	Katella Ave.	Trask Ave.	Class III	2.51
Hazard Ave.	Ward St.	Westminster City Limit	Class III	0.88
Nelson St.	Chapman Ave.	Garden Grove Blvd.	Class III	1.00
Springdale St.	Santa Catalina Ave.	Westminster City Limit	Class III	1.23
Stanford Ave. Segment 1	Nelson St.	Main St.	Class III	0.25
Stanford Ave. Segment 2	Euclid St.	9th St.	Class III	0.36
Main St.	Stanford Ave.	Euclid St.	Class III	0.13
Taft St.	Century Blvd.	Westminster Ave.	Class III	0.85
Ward St.	Hazard Ave.	Margarita Ave.	Class III	1.38
West St.	Orangewood Ave.	Garden Grove Blvd.	Class III	1.50
			TOTAL	48.72 miles

Garden Grove Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	3.01	$1,500,000	$4,515,000
Class II	33.12	$280,000	$9,273,600
Class III	12.59	$21,000	$264,390
		Total	$14,052,990

3.11. Huntington Beach

The dynamic coastal City of Huntington Beach, with its sunny Mediterranean climate and idyllic setting, is home to more than 202,250 residents. Internationally known as "Surf City," Huntington Beach boasts eight miles of scenic, accessible beachfront, the largest stretch of uninterrupted beachfront on the West Coast. Tourism remains a vital part of the economy, as over 11 million visitors flock to the city during the summer, on weekends and for special events.

Population

202,250

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	2,079
Estimated Adjusted Mode Share	1.6%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	4,159
Reduced Vehicle Trips per Weekday	2,826
Reduced Vehicle Miles per Weekday	10,725
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	854
Total Future Daily Bicycle Commuters	2,933
Future Total Daily Bicycle Trips	5,866
Future Reduced Vehicle Trips per Weekday	4,282
Future Reduced Vehicle Miles per Weekday	19,699
Future Reduced Vehicle Miles per Year	5,220,329
Future Air Quality Benefits	
Reduced HC (metric tons/year)	14
Reduced CO (metric tons/year)	105
Reduced NOX (metric tons/year)	7
Reduced CO2 (metric tons/year)	555,276
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.11 Huntington Beach Land Use

Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	573
Average # of Bicycle Collisions Per Year	114.6
Average Bicycle Collision Rate per 1000/year[1]	0.58
Index (relative to statewide average of 0.32 /1000)[2]	1.80

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Bus/Rideshare	Goldenwest Transportation Ctr 7301 Center St	Bicycle racks(5) Bicycle racks on buses

Safety and Education Programs

The status of Huntington Beach's bicycle safety and education programs is unknown.

Expenditures

Information on past bicycle facility expenditures is not available.

Bicycle Transportation Plan

The City of Huntington Beach does not have an adopted Bicycle Transportation Plan.

Bikeways

Huntington Beach Existing Bikeways

Street/Path	From	To	Class	Mileage
Beach front	*	*	Class I	*
Edinger Ave.	*	*	Class II	*
Slater Ave.	*	*	Class II	*
Garfield Ave.	*	*	Class II	*
Lake Ave.	*	*	Class II	*
Hamilton	*	*	Class II	*
Edwards St.	*	*	Class II	*
Gothard St.	*	*	Class II	*
Newland St.	*	*	Class II	*
Bushard St.	*	*	Class II	*
*Boundaries and mileage unknown				

Huntington Beach Proposed Bikeways

Street/Path	From	To	Class	Mileage
Pacific Coast Hwy Segment 1	County Limit	8th St.	Class II	4.61
Pacific Coast Hwy Segment 2	Huntington St.	County Limit	Class II	2.63

Huntington Beach Proposed Bikeways

Street/Path	From	To	Class	Mileage
Hamilton Path	Newland St.	Beach Blvd.	Class I	0.50
UPRR Path	Macfadden Ave.	Main St.	Class I	3.47
3rd St.	Walnut Ave.	Pacific Cost Hwy.	Class II	0.08
Adams Ave.	Beach Blvd.	Ranger Ln.	Class II	2.27
Bolsa Chica St. Segment 1	Westminster City Limit	Bolsa Ave.	Class II	0.40
Bolsa Chica St. Segment 2	Warner Ave.	Los Patos Ave.	Class II	0.25
Edinger Ave. Segment 1	Graham St.	Springdale St.	Class II	0.50
Edinger Ave. Segment 2	Gothard St.	Newland St.	Class II	1.14
Goldenwest St.	Warner Ave.	Betty Dr.	Class II	0.27
Magnolia St.	Warner Ave.	San Diego Fwy.	Class II	0.29
Mc Fadden Ave.	UPRR	Westminster City Limit	Class II	0.26
Talbert Ave. Segment 1	Springdale St.	Ivory Crest Ln.	Class II	0.20
Talbert Ave. Segment 2	Goldenwest St.	Gothard St.	Class II	0.40
Springdale St. Segment 1	Edinger Ave.	Heil Ave.	Class III	0.49
Springdale St. Segment 2	Talbert Ave.	City Limit	Class III	0.27
Varsity Dr.	Talbert Ave.	Edwards St.	Class III	0.33
			TOTAL	11.12 miles

Huntington Beach Proposed Facility Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	3.97	$1,500,000	$5,955,000
Class II	13.30	$280,000	$3,724,000
Class III	1.09	$21,000	$22,890
		Total	$9,701,890

3.12. Irvine

Irvine is one of the nation's largest planned urban communities and encompasses more than 55 square miles. Irvine has grown into a community boasting state-of-the-art transportation programs and systems, an enterprising business environment, stellar educational institutions and a team-like lifestyle.

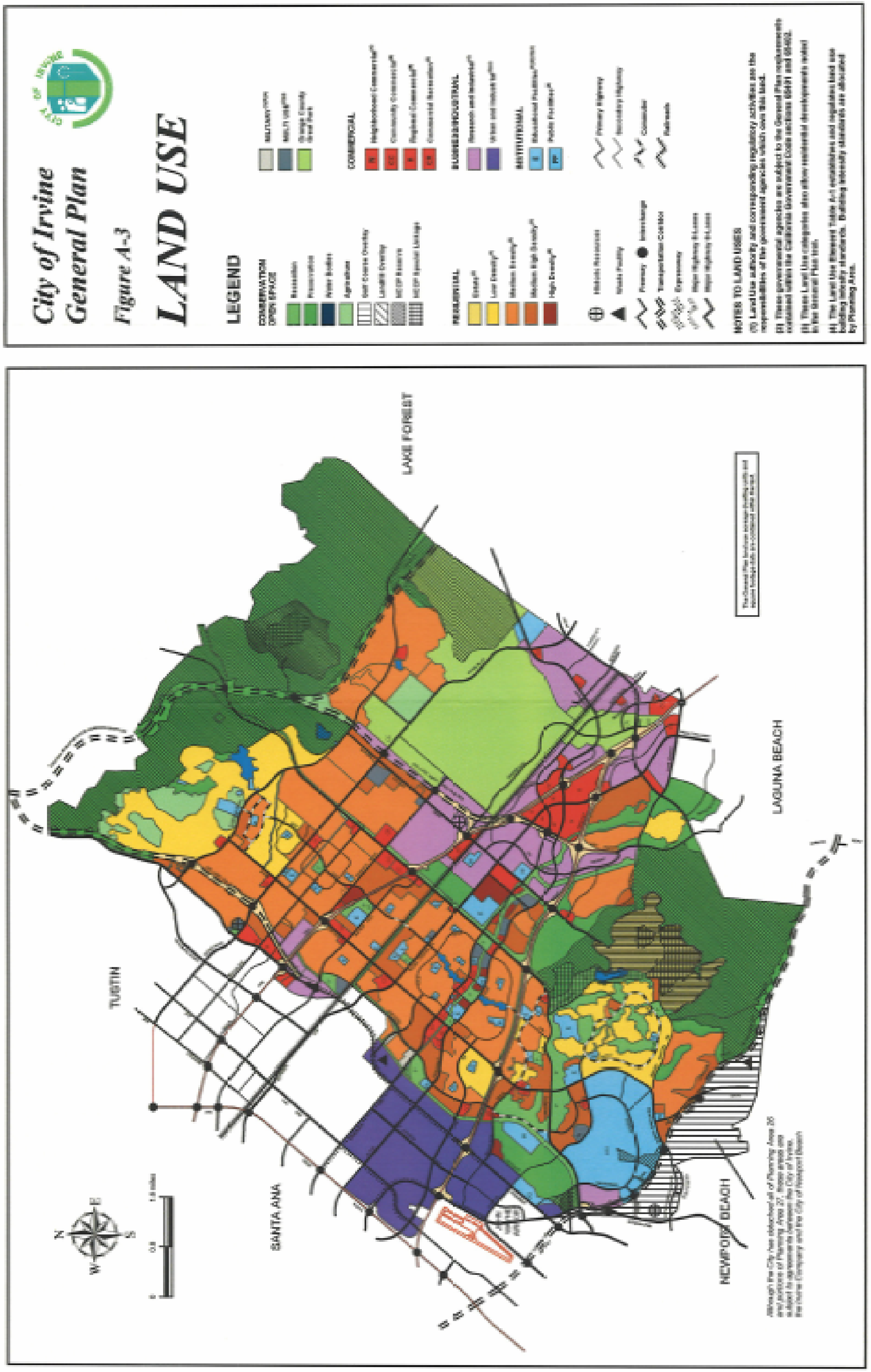
Population

209,806

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	2,317
Estimated Adjusted Mode Share	2.2%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	4,635
Reduced Vehicle Trips per Weekday	3,216
Reduced Vehicle Miles per Weekday	12,972
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	638
Total Future Daily Bicycle Commuters	2,956
Future Total Daily Bicycle Trips	5,911
Future Reduced Vehicle Trips per Weekday	4,315
Future Reduced Vehicle Miles per Weekday	19,850
Future Reduced Vehicle Miles per Year	5,260,274
Future Air Quality Benefits	
Reduced HC (metric tons/year)	31
Reduced CO (metric tons/year)	106
Reduced NOX (metric tons/year)	7
Reduced CO2 (metric tons/year)	559,525
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.12 Irvine Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	197
Average # of Bicycle Collisions Per Year	39.4
Average Bicycle Collision Rate per 1000/year[1]	0.21
Index (relative to statewide average of 0.32 /1000)[2]	1.30

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Bicycle parking can be found throughout Irvine as a result of zoning ordinance Sec. 4-3-7, which requires many commercial, office, and community developments to provide bicycle parking.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Metrolink/Amtrak/Rideshare/Bus	Irvine Station	Bicycle racks(12)/lockers(54) Bicycle racks on trains and buses
Rideshare	Jeffery Park-and-Ride I-5/Jeffrey Rd	
Rideshare	Light of Christ Lutheran 18182 Culver Dr	
Rideshare	University Park-and-Ride SR-73/University Dr	
The *i* Shuttle Buses	Irvine Business Complex (IBC)	Bicycle racks on shuttle buses

Safety and Education Programs

Active	Yes
# Of Years Conducted	5
# Of Times a Year Conducted	All year long
Administered by	Police Department
Location	Schools
Program, Curriculum, and Activities	Assembly, D.A.R.E. program, bicycle rodeos
Other Bicycle Safety Support Programs	Bicycle registration
Total # of Children Reached	On average, 250 students at bicycle rodeos
Age of Children Reached	Elementary and middle school students
Other Program Notes	Programs provided as requested; City website has bicycle education and safety tips

Expenditures

The City of Irvine estimates its annual cost for parking lot and off-street trail rehabilitation as $193,000. Information about past bicycle facilities expenditures is unknown.

Bicycle Transportation Plan

The City of Irvine has a Bicycle Transportation Plan.

Bikeways

Irvine Existing Bikeways

Street	From	To	Class	Mileage
Barranca Trail (BT)	Sand Canyon Trail / Sand Canyon Avenue	SR-133	Class I	*
Bonita Canyon Trail (BC)	Campus Drive	Shady Canyon Trail / Shady Canyon Drive	Class I	1.1
Culver Dr. Path	Campus Dr.	Sand Canyon Dr.	Class I	1.20
Freeway Trail (FT)	San Diego Creek Trial / San Diego Creek	Jeffrey Open Space Trail / Jeffrey Road	Class I	*
Harvard Trail (HT)	San Diego Creek Trail / Barranca Parkway	Walnut Trail / Railroad Tracks	Class I	*
Hicks Canyon Trail (HC)	Peters Canyon Trail / SR-261	Portola Trail / Portola Parkway	Class I	*
Jeffrey Open Space Trail Northern Portion (JT)	Trabuco Road	Irvine Blvd	Class I	*
Jeffrey Open Space Trail Southern Portion (JT)	Quail Hill Trail / I-405	Barranca Parkway	Class I	*
Peters Canyon Trail (PC)	Walnut Trail / Railroad Tracks	Portola Trail / Portola Parkway	Class I	*
Portola Trail (PT)	Peters Canyon Trail / SR-261	SR-133	Class I	*
Quail Hill Trail (QH)	University Trail	Shady Canyon Trail / Quail Hill Trailhead	Class I	1.0
San Diego Creek Trail (SD)	Southern City Limits / SR-73	Pacifica	Class I	*
San Diego Frwy. Path S	Shady Canyon Circle	Existing San Diego Fwy. Path South	Class I	0.95
Sand Canyon Trail (SC)	Alton Parkway	Portola Trail / Portola Parkway	Class I	3.6
Shady Canyon Trail (SH)	Bonita Canyon Trial	Quail Hill Trail	Class I	3.6
Turtle Rock Trail (TR)	University Drive	Shady Canyon Trail / Shady Canyon Drive	Class I	2.8
University Trail (UT)	San Diego Creek Trail / University Drive	Quail Hill Trial / Jeffrey Open Space Trail Southern Portion	Class I	*
Venta Spur Trail (VS)	Peters Canyon Trail / SR-261	SR-133	Class I	*
Walnut Trail (WT)	Peters Canyon Trail / Jamboree Road	Sand Canyon Trail / Sand Canyon Avenue	Class I	3.5
West Irvine Trail (WI)	Western City Limits / Jamboree Road	Bryan Avenue / SR-261	Class I	*
Woodbridge Trail (WB)	Michelson Drive	Yale Loop	Class I	*
Jamboree Rd.	*	Irvine Park Pl.	Class II	*
Portola Pkwy	City boundary	Jeffrey Rd.	Class II	*
Yale Ave.	Portola Pkwy	Yale Loop	Class II	*
Yale Ave.	South end of Yale Loop	Dead end	Class II	*
Yale Ave.	Michelson Dr.	University Dr.	Class II	*

Street	From	To	Class	Mileage
Culver Dr.	Portola Pkwy	Campus Dr.	Class II	*
Hicks Canyon Dr.	Yale Ave.	Park Pl.	Class II	*
Jeffrey Dr.	Irvine Blvd.	405 Freeway	Class II	*
University Dr.	405 Freeway	City boundary	Class II	*
Bryan Ave.	City boundary	Jeffrey Rd.	Class II	*
Northwood	N/A	N/A	Class II	*
Southwood	N/A	N/A	Class II	*
Eastwood	N/A	N/A	Class II	*
Westwood	N/A	N/A	Class II	*
Park Pl.	Hicks Canyon Dr.	Yale Ave.	Class II	*
Irvine Blvd.	West city boundary	East city boundary	Class II	*
El Camino Real	*	Dead end	Class II	*
El Camino Real N.	Bryan Ave.	El Camino Real	Class II	*
Trabuco Rd.	Culver Dr.	Jeffrey Rd.	Class II	*
Monroe	Trabuco Rd.	Roosevelt	Class II	*
Roosevelt	Monroe Rd.	Jeffrey Rd.	Class II	*
Walnut Ave.	City boundary	Dead end	Class II	*
Deerfield Ave.	Harvard Ave.	Yale Ave.	Class II	*
Irvine Center Dr.	West city boundary	East city boundary	Class II	*
Harvard Ave.	Walnut Ave.	Culver Dr.	Class II	*
Paseo Westpark	Harvard Ave.	Dead end	Class II	*
Jamboree Rd.	Barranca Pkwy	Main St.	Class II	*
Von Karman Ave.	Barranca Pkwy	Michelson Dr.	Class II	*
Red Hill Ave.	North city boundary	South city boundary	Class II	*
Barranca Pkwy	West city boundary	Alton Pkwy	Class II	*
Alton Pkwy	West city boundary	Muirlands Blvd.	Class II	*
Main St.	West city boundary	Jamboree Rd.	Class II	*
Main St.	* Creek	Culver Dr.	Class II	*
Warner Ave.	*	W. Yale Loop	Class II	*
Hearthstone	Deerfield Ave.	Paseo Westpark	Class II	*
Lake Rd.	Barranca Pkwy	Alton Pkwy	Class II	*
Creek Rd.	Barranca Pkwy	Alton Pkwy	Class II	*
Michelson Dr.	Dupont Dr.	Jeffrey Rd.	Class II	*
Carlson Ave.	Michelson Dr.	Campus Dr.	Class II	*
Campus Dr.	Jamboree Rd.	Turtle Rock Dr.	Class II	*
Mesa Rd.	University Dr.	Dead end	Class II	*
Peltason Dr.	Mesa Rd.	Campus Dr.	Class II	*
Peltason Dr.	Campus Dr.	Pereira Dr.	Class II	*
Berkeley	Harvard Ave.	Campus Dr.	Class II	*
Bridge Rd.	Harvard Ave.	Campus Dr.	Class II	*
Bison Ave.	Peltason Dr.	South city boundary	Class II	*
Academy Way	Peltason Dr.	Dead end	Class II	*
Los Trancos Dr.	Peltason Dr.	California Ave.	Class II	*
California Ave.	Los Trancos Dr.	Campus Dr.	Class II	*
Anteater Dr.	Peltason Dr.	Bonita Canyon Dr.	Class II	*
Bonita Canyon Dr.	Shady Canyon Dr.	South city boundary	Class II	*
Newport Coast Dr.	Bonita Canyon Dr.	East city boundary	Class II	*
Gabrielino Dr.	Peltason Dr.	California Ave.	Class II	*

Street	From	To	Class	Mileage
Vista Bonita	Gabrielino Dr.	Los Trancos Dr.	Class II	*
Turtle Ridge	Bonita Canyon Dr.	Newport Coast Dr.	Class II	*
Summit Park Dr.	Turtle Ridge	End of medians	Class II	*
Arroyo Dr.	California Ave.	Dead end	Class II	*
Shady Canyon Dr.	Sunnyhill	Bonita Canyon Dr.	Class II	*
Turtle Rock Dr.	N/A	N/A	Class II	*
Starcrest	Turtle Rock Dr.	Hillcrest	Class II	*
Ridgeline Dr.	University Dr.	Hillcrest	Class II	*
Bake Pkwy	North city boundary	Irvine Center Dr.	Class II	*
Lake Forest Dr.	Lake Center Dr.	Santa Vittoria Dr.	Class II	*
Research Dr.	Irvine Center Dr.	Lake Forest Dr.	Class II	*
Scientific Way	Research Dr.	Lake Forest Dr.	Class II	*
Rockfield Blvd.	Dead end	Lake Forest Dr.	Class II	*
Muirlands Blvd.	Alton Pkwy	East city boundary	Class II	*
Jeronimo Rd.	Alton Pkwy	East city boundary	Class II	*
Toledo Way	Alton Pkwy	East city boundary	Class II	*
Technology Dr.	Dead end	Alton Pkwy	Class II	*
Ada	Barranca Pkwy	Alton Pkwy	Class II	*
Valley Oak Dr.	Irvine Center Dr.	Alton Pkwy	Class II	*
Sand Canyon Ave.	Laguna Canyon Rd.	Alton Pkwy	Class II	*
Sand Canyon Ave.	405 Fwy	Quail Hill Pkwy	Class II	*
Quail Hill Pkwy	Sand Canyon Ave.	Laguna Canyon Rd.	Class II	*
Knollcrest	Quail Hill Pkwy	Quail Hill Pkwy	Class II	*
Laguna Canyon Rd.	Sand Canyon Ave.	Laguna Fwy	Class II	*
Waterworks Wy	Sand Canyon Ave.	Discovery	Class II	*
Discovery	Irvine Center Dr.	Barranca Pkwy	Class II	*
Jenner	Alton Pkwy	Dead end	Class II	*
Pasteur	Laguna Canyon Rd.	Dead end	Class II	*
Banting	Barranca Pkwy	Alton Pkwy	Class II	*
Pacifica	Barranca Pkwy	Alton Pkwy	Class II	*
Gateway Blvd.	Pacifica	Irvine Center Dr.	Class II	*
Meridian	Gateway Blvd.	Alton Pkwy	Class II	*
*‡	California Ave.	Culver Dr.	Class I	*
Around Aldrich Park ‡	N/A	N/A	Class I	*
E. Pereira Dr. ‡	*	*	Class I	*
Mesa Rd. ‡	W. Peltason Dr.	Aldrich Park	Class I	*
Palo Verde Rd. ‡	California Ave.	Aldrich Park	Class I	*
Physical Science Road ‡	Aldrich Park	E. Peltason Dr.	Class I	*
Laguna Canyon Rd.	North of Lake Forest Dr.	Southern City Limit	Class III	1.23

* Information not provided

‡ Maintained by The University of California, Irvine

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Jeffrey Rd. Path	Trabuco Rd.	North of Alton Pkwy.	Class I	2.23
OCTA Metrolink Path‡	Sand Canyon Ave.	Great Park Southeastern Path	Class I	1.96

Irvine Proposed Bikeways

Street/Path	From	To	Class	Mileage
Eastern Mountain Path‡	Eastern City Limit	Hicks Canyon Haul Rd.	Class I	2.51
Great Park Northern Path‡	Irvine Blvd.	OCTA Metrolink Path	Class I	2.21
Jeffrey Rd. Path segment 1	Portola Pkwy	Irvine Blvd.	Class I	0.91
Modjeska / Portola Springs	Irvine Blvd.	Portola Pkwy.	Class I	0.90
Great Park Southern Path‡	OCTA Metrolink Path	Trabuco Rd.	Class I	1.88
Portola Hwy.	Hwy 241	Eastern Transportation Corridor	Class I	5.57
San Diego Frwy. Path N	Alton Pkwy.	Existing San Diego Fwy. Path North	Class I	0.96
Trabuco Rd. ‡	Sand Canyon Ave.	Great Park Loop	Class I	0.93
Un-named Trail	Jeffery Trail/ I-5 NB Off-Ramp	D Street	Class I	*
Bonita Canyon Trail	Shady Canyon Trail Shady Canyon Dr.	Western City Limit	Class I	*
University Trail	San Diego Creek Trail / Campus Dr.	Ridgeline Dr.	Class I	*
Peters Canyon Trail	San Diego Creek Trail / Barranca Parkway	Walnut Trail / Railroad Tracks	Class I	*
C St. ‡	Irvine Blvd.	Marine Wy.	Class II	1.81
Campus Dr.	Macarthur Blvd.	Jamboree Rd.	Class II	0.69
Great Park Southern Access Road‡	Perimeter Rd.	Great Park Loop	Class II	0.32
Great Park Loop‡	N/A	N/A	Class II	3.79
Jeffrey Rd.	Hicks Canyon Haul Rd.	Portola Pkwy.	Class II	0.05
L St. ‡	Perimeter Blvd.	Great Park Loop	Class II	0.18
M St. ‡	Great Park Loop	Irvine Blvd.	Class II	0.49
Main St.	Jamboree Rd.	South of Union St.	Class II	0.25
Marine Way‡	Sand Canyon Ave.	Bake Pkwy	Class II	3.71
Sand Canyon Ave. Segment 1	San Diego Fwy.	Alton Pkwy.	Class II	0.23
Sand Canyon Ave. Segment 2	I-5 NB On-Ramp	Trabuco Rd.	Class II	2.88
U St. ‡	Great Park Loop	Irvine Blvd.	Class II	0.35
Von Karman Ave.	Campus Dr.	Michelson Dr.	Class II	0.57
* Information not provided ‡ Proposed bikeways related to the Great Park				

Irvine Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	20.60	$1,500,000	$30,900,000
Class II	15.32	$280,000	$4,289,600
		Total	$35,189,600

3.13. La Habra

Located at Orange County's northernmost corner, La Habra is 7.3 square miles with a population of 61,789 and approximately 21,000 households. A quiet residential community, it is conveniently located within an hour's drive of many beaches, mountain, and desert recreation areas.

La Habra also offers a distinctive and well-rounded program of civic, recreational, social and cultural services to its residents, including 20 parks, a Children's Museum, Community Theater, Tennis Center, and diverse Community Center. Community services include senior citizen programs, recreation classes, youth and adult sports programs, facility rentals, and an active volunteer program.

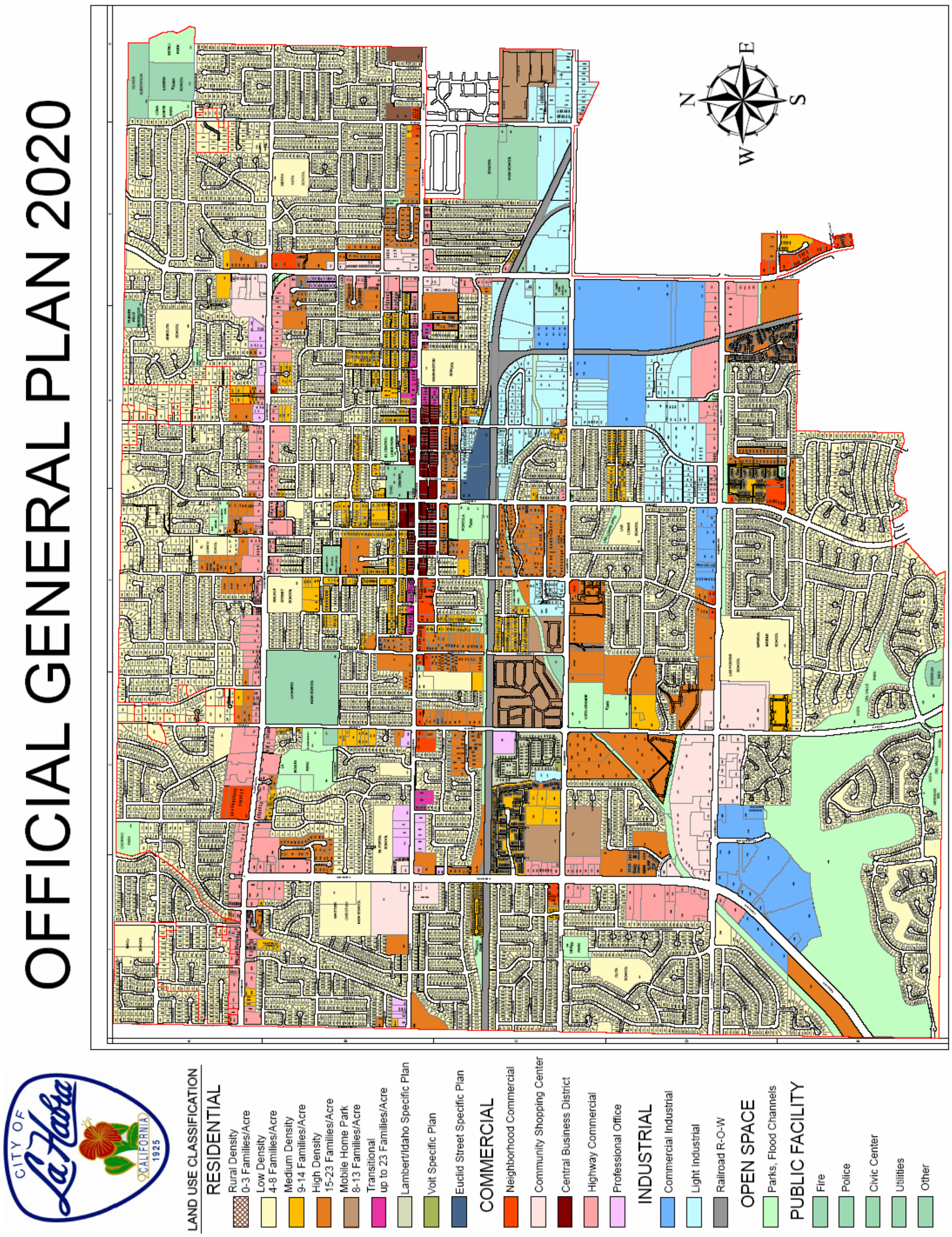
Population

61,789

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	549
Estimated Adjusted Mode Share	1.5%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	1,098
Reduced Vehicle Trips per Weekday	712
Reduced Vehicle Miles per Weekday	2,301
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	246
Total Future Daily Bicycle Commuters	795
Future Total Daily Bicycle Trips	1,589
Future Reduced Vehicle Trips per Weekday	1,160
Future Reduced Vehicle Miles per Weekday	5,337
Future Reduced Vehicle Miles per Year	1,414,363
Future Air Quality Benefits	
Reduced HC (metric tons/year)	8
Reduced CO (metric tons/year)	29
Reduced NOX (metric tons/year)	2
Reduced CO2 (metric tons/year)	150,443
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.13 La Habra Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	129
Average # of Bicycle Collisions Per Year	25.8
Average Bicycle Collision Rate per 1000/year[1]	0.43
Index (relative to statewide average of 0.32 /1000)[2]	1.33

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Developments are subject to Facility Standards outlined in city ordinance §18.82.050, which require one of two options for end-of-trip facilities. Option A requires bicycle parking and locker facilities in a secure location for employee or tenant bicycle commuters, plus a minimum of two shower facilities. Option B requires secure, adequate and convenient storage for bicycles, and a shower and locker room facility for employees of each sex per building of 100,000 or more gross square feet.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety and Education Programs

The City of La Habra does not have bicycle safety and education programs.

Expenditures

Facility	Improvement	From	To	Cost
City-wide	Maintenance			$5,000

Bicycle Transportation Plan

The City of La Habra does not have a Bicycle Transportation Plan.

Bikeways

La Habra Existing Bikeways

Street	From	To	Class	Mileage
UPRR	S. Idaho St.	S. Walnut St.	Class I	*
Lambert St	S. Beach Blvd	w/b – Olive St. e/b – Euclid St	Class II	*
E. Whittier Ave.	N. Harbor Blvd.	Palm St.	Class II	*
E. La Habra Blvd.	Palm St.	City Limit (City of Brea)	Class II	*
S. Idaho St.	W. Sandalwood Ave.	City Limit	Class II	*
S. Harbor Blvd.	E. Las Riendas Dr.	City Limit	Class II	*
W. Russell St.	N. Valley Home Ave.	N. Macy St.	Class III	*
E. Whittier Ave	Palm St.	City Limit (City of Brea)	Class III	*
N. Macy St.	City Limit (City of Whittier)	W. Wallace Ave.	Class III	*
W. Randall Ave.	N. Koopmans Wy.	N. Macy St.	Class III	*

Street	From	To	Class	Mileage
N. Koopmans Wy.	W. Randall Ave.	W. Whittier Blvd.	Class III	*
W. Whittier Blvd.	N. Koopmans Wy.	N. Rigsby St.	Class III	*
N. Rigsby St.	W. Whittier Blvd.	W. Gregory LN.	Class III	*
Gregory LN.	N. Rigsby St.	N. Beach Blvd.	Class III	*
N. Dexford Dr.	W. Gregory LN.	W. La Habra Blvd.	Class III	*
Berkley Ave.	N. Dexford Dr	Lime St.	Class III	*
Lime St.	Worth Ave.	Berkley Ave.	Class III	*
Morris Ave.	N. Dexford Dr.	Lime St.	Class III	*
Worth Ave.	N. Dexford Dr.	Lime St.	Class III	*
N. Palm St.	E. Whittier Ave.	E. La Habra Blvd.	Class III	*
N. Beach Blvd.	Gregory LN.	W. El Portal Dr.	Class III	*
El Portal Dr.	N. Beach Blvd.	W. La Habra Blvd.	Class III	*
Granada Dr.	Granada Ct.	El Portal Dr.	Class III	*
Lambert Rd.	W City Limit	S. Beach Blvd.	Class III	*
W. Lambert Rd.	City Limit (Whittier)	S. Beach Blvd.	Class III	*
W/B Lambert Rd	Olive St.	Cypress St.	Class III	*
E/B Lambert Rd.	Cypress St.	Euclid St.	Class III	*
Idaho St.	W. Whittier Blvd.	W. Sandelwood Ave.	Class III	*
W. Sandelwood Ave.	S. Idaho St.	S. Patwood Dr.	Class III	*
S. Patwood Dr.	Gwynwood Ave.	W. Sandelwood Ave.	Class III	*
Gwynwood Ave.	S. Patwood Dr.	E. Montwood Ave.	Class III	*
E. Montwood Ave.	S. Euclid St.	S. Lakeview Ave.	Class III	*
S. Lakeview Ave.	E. Montwood Ave.	City Limit	Class III	*
S. Euclid St.	W. Parkwood Ave.	E. Montwood Ave.	Class III	*
W. Parkwood Ave.	S. Schoolwood Dr.	S. Euclid St.	Class III	*
Schoolwood Dr.	W. Parkwood Ave.	W. Sandelwood Ave.	Class III	*
Las Lomas Dr.	S. Idaho St.	Encinitas St.	Class III	*
Encinitas St.	Las Lomas Dr.	Keene Dr.	Class III	*
Keene Dr.	Encinitas St.	S. Euclid St.	Class III	*
Lorella Ave.	Colleen St.	S. Idaho St.	Class III	*
Highlander Ave.	N. Idaho St.	N. Walnut St.	Class III	*
Greenwood Ave.	N. Hazel St.	N. Orange St.	Class III	*
N. Orange St.	E. Greenwood Ave.	E. Erna Ave.	Class III	*
N. Lois St.	W. Greenwood Ave.	W. Florence Ave.	Class III	*
Florence Ave.	N. Lois St.	Lemon St.	Class III	*
Lemon St.	E. Florence Ave.	E. Erna Ave.	Class III	*
E. Erna Ave.	Lemon St.	N. McPherson St.	Class III	*
N. McPherson St.	E. Stearns Ave.	E. La Habra Blvd	Class III	*
E. Stearns Ave.	N. McPherson St.	N. Palm St.	Class III	*
Palm St.	E. Stearns Ave.	E. Lambert Rd	Class III	*
E. Lambert Rd	S. Cypress St.	S. Palm St.	Class III	*
First Ave.	Hillcrest St.	S. McPherson St.	Class III	*
N. Fonda St.	E. Whittier Ave.	E. Stearns Ave.	Class III	*
E. Whittier Ave.	N. Verona St.	City Limit (City of Brea)	Class III	*
W. Loma Verde Ave.	S. Walnut St.	Portola Ave.	Class III	*
* Mileage not provided				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
UPRR Bikeway	Western City Limit	Palm St.	Class I	3.00
La Habra Blvd.	Valley Home Ave.	Vallejo St.	Class II	2.77

La Habra Proposed Bikeways

Street/Path	From	To	Class	Mileage
Coyote Creek Bikeway	Imperial Hwy.	Western City Limit	Class I	0.71
Imperial Hwy. Path	Beach Blvd.	Harbor Blvd.	Class I	2.02
Beach Blvd.	Gregory Ln.	Imperial Hwy	Class II	1.33
Idaho St.	Whittier Blvd.	Imperial Hwy.	Class II	1.53
Lambert Rd.	Cypress St.	Palm st.	Class II	1.00
Palm St.	Whittier Blvd.	Lambert Rd.	Class II	1.00
Whittier Blvd.	Palm St.	Eastern City Limit	Class II	0.22
			TOTAL	7.81

La Habra Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	5.73	$1,500,000	$8,595,000
Class II	10.85	$280,000	$3,038,000
		Total	$11,633,000

3.14. La Palma

La Palma is a well balanced city which prides itself on a responsive municipal government and a strong sense of community. The City's small town character allows residents to live in quiet and friendly neighborhoods. With one of the lowest crime rates in Orange County, La Palma is a place where residents can rest easy and enjoy hometown living

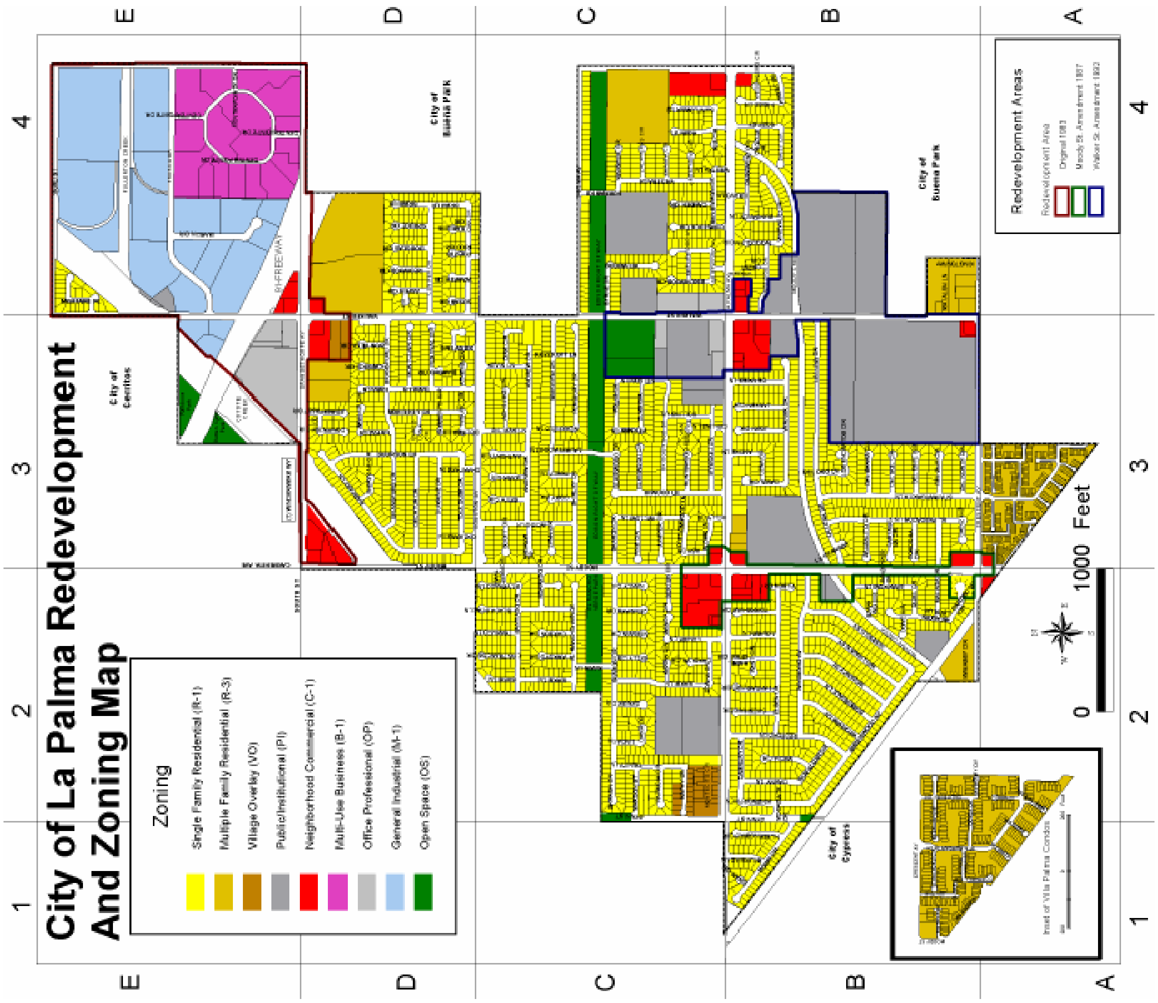
Population

15,776

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	132
Estimated Adjusted Mode Share	1.3%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	264
Reduced Vehicle Trips per Weekday	175
Reduced Vehicle Miles per Weekday	620
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	51
Total Future Daily Bicycle Commuters	183
Future Total Daily Bicycle Trips	367
Future Reduced Vehicle Trips per Weekday	268
Future Reduced Vehicle Miles per Weekday	1,231
Future Reduced Vehicle Miles per Year	326,280
Future Air Quality Benefits	
Reduced HC (metric tons/year)	2
Reduced CO (metric tons/year)	7
Reduced NOX (metric tons/year)	0
Reduced CO2 (metric tons/year)	34,706
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.14 La Palma Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	29
Average # of Bicycle Collisions Per Year	5.8
Average Bicycle Collision Rate per 1000/year[1]	0.36
Index (relative to statewide average of 0.32 /1000)[2]	1.12

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

As part of La Palma's Transportation Demand Management requirements, some development projects may be required to provide bicycle parking and shower and locker facilities.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety and Education Programs

The City of La Palma does not have bicycle safety and education programs.

Expenditures

Information on past bicycle facility expenditures is not available.

Bicycle Transportation Plan

Bicycle planning can be found in La Palma's General Plan.

Bikeways

La Palma Existing Bikeways

Street/Path	From	To	Class	Mileage
Coyote Creek Channel	Moody St.	Walker St.	Class I	0.70 miles
La Palma Ave.	Coyote Creek	Valley View St.	Class II	1.70 miles
Crescent Ave.	West of Moody St.	East of Walker St.	Class II	0.80 miles
Moody St.	Orangethorpe Ave	Crescent Ave.	Class II	1.28 miles
Walker St.	Bransford Dr.	Crescent Ave.	Class II	1.20 miles
Valley View St.	Thelma Ave.	South of La Palma Ave.	Class II	0.50 miles
			TOTAL	5.93 miles

La Palma Proposed Bikeways

Street/Path	From	To	Class	Mileage
Orangethorpe Ave.	Western City Limit	Valley View St.	Class II	0.76
			TOTAL	0.76miles

La Palma Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class II	0.76	$280,000	$212,800
		Total	$212,800

3.15. Laguna Beach

The City of Laguna Beach is well known as a unique beach community and artist's colony with seven miles of City beaches running along its nine square miles. The resident population enjoys the ambiance provided by the sandy beaches, canyons and coastal hills. During the summer, several million visitors are drawn to the resort environment for its picturesque beaches, art festivals and the Pageant of the Masters. Laguna's village scale shopping district, bluff top walkways and tram system create a pedestrian environment and scale which is unique in Southern California.

Population

24,161

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	203
Estimated Adjusted Mode Share	1.3%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	405
Reduced Vehicle Trips per Weekday	278
Reduced Vehicle Miles per Weekday	1,086
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	142
Total Future Daily Bicycle Commuters	345
Future Total Daily Bicycle Trips	689
Future Reduced Vehicle Trips per Weekday	503
Future Reduced Vehicle Miles per Weekday	2,315
Future Reduced Vehicle Miles per Year	613,548
Future Air Quality Benefits	
Reduced HC (metric tons/year)	4
Reduced CO (metric tons/year)	12
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	65,262
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.15 Laguna Beach Land Use

Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	51
Average # of Bicycle Collisions Per Year	10.2
Average Bicycle Collision Rate per 1000/year[1]	0.42
Index (relative to statewide average of 0.32 /1000)[2]	1.30

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index greater than one (1.0) indicates that the local accident rate is higher than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses

Safety and Education Programs

The status of Laguna Beach's bicycle safety and education programs is unknown.

Expenditures

Information on past bicycle facility expenditures is not available.

Bicycle Transportation Plan

Whether or not Laguna Beach has a Bicycle Transportation Plan is unknown.

Bikeways

Laguna Beach Existing Bikeways

Street	From	To	Class	Mileage
El Toro Rd	*	*	Class II	*
Laguna Canyon Rd.	*	*	Class III	*
Coast Highway	*	*	Class III	*
* Information not provided				

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Pacific Coast Hwy.	City Limit (S El Moro Rdg.)	Broadway	II	4.83

Laguna Beach Proposed Bikeways

Street/Path	From	To	Class	Mileage
Aliso Canyon Rd.	Coast Line	SE City Limit	I	0.95
Broadway / Laguna Canyon Rd.	City Limit (E Laguna Canyon Rd.))	Coast Hwy	II	5.10
S SR-73 Exit 7	City Limit	E Laguna Canyon Rd.	I	0.01
			TOTAL	6.06 miles

Laguna Beach Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class I	0.96	$1,500,000	$1,440,000
Class II	9.93	$280,000	$2,780,400
		Total	$4,220,400

3.16. Laguna Hills

Laguna Hills is primarily composed of residential neighborhoods. The City's main destination is the Laguna Hills regional shopping center. Many portions of the City are suitable for equestrian uses, and these activities have been long established. Laguna Hills has several smaller shopping centers located along some of the arterial streets, including Moulton and Alicia Parkways, El Toro and La Paz Roads, Paseo de Valencia, and Lake Forest Drive.

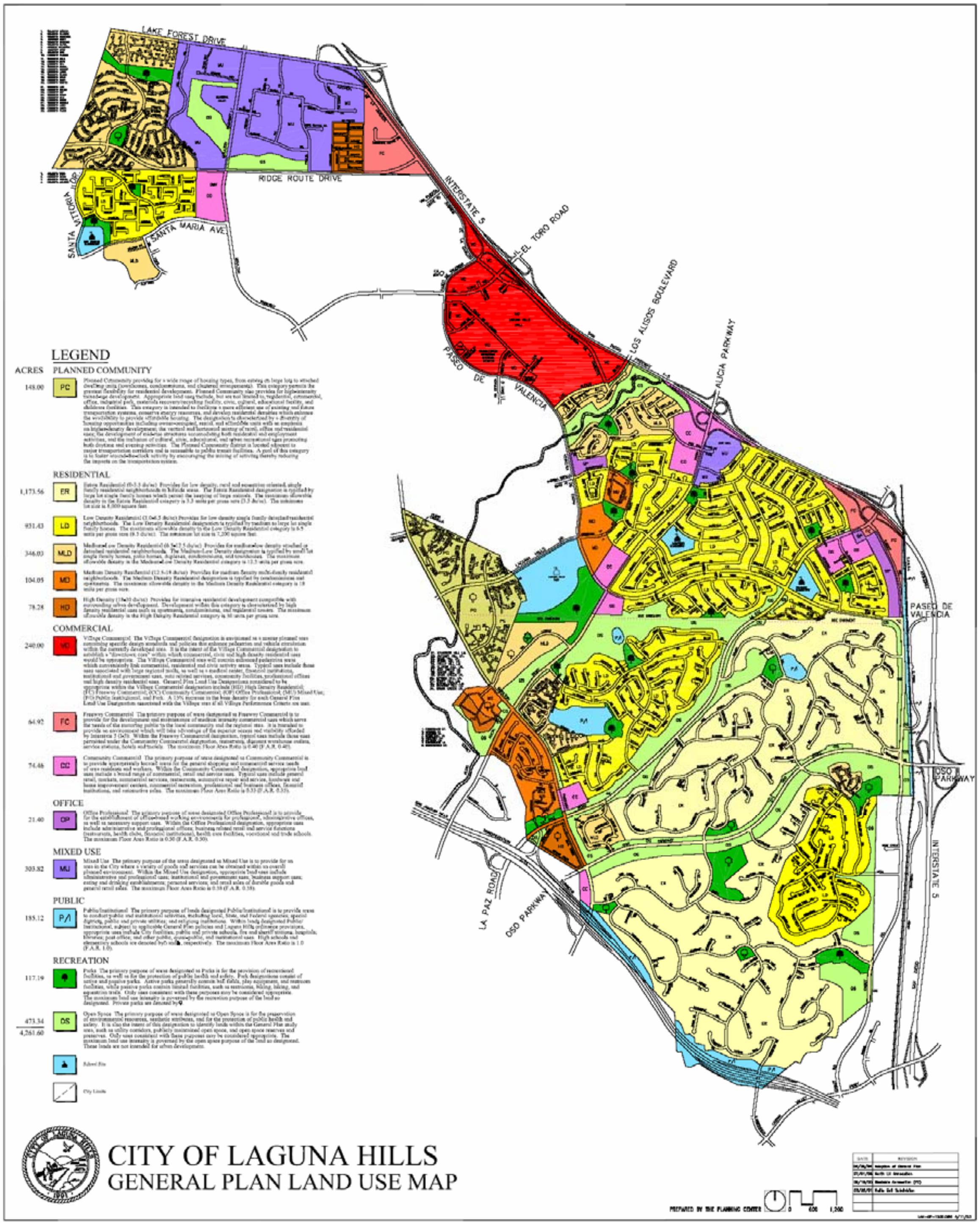
Population

32,156

Estimated Number of Bicycle Commuters

Estimated Bicycle Commuters	Number
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	247
Estimated Adjusted Mode Share	1.2%
Estimated Current Bicycle Trips	
Total Daily Bicycle Trips	494
Reduced Vehicle Trips per Weekday	319
Reduced Vehicle Miles per Weekday	1,012
Future Potential Bicycle Commuters	
Future number of new bicycle commuters	120
Total Future Daily Bicycle Commuters	367
Future Total Daily Bicycle Trips	734
Future Reduced Vehicle Trips per Weekday	536
Future Reduced Vehicle Miles per Weekday	2,464
Future Reduced Vehicle Miles per Year	652,905
Future Air Quality Benefits	
Reduced HC (metric tons/year)	4
Reduced CO (metric tons/year)	13
Reduced NOX (metric tons/year)	1
Reduced CO2 (metric tons/year)	69,448
Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.	

Map 3.16 Laguna Hills Land Use



Collisions Involving Bicyclists

Parameter	Collision Rate
Total # of Bicycle Collisions for 5 Years	40
Average # of Bicycle Collisions Per Year	8
Average Bicycle Collision Rate per 1000/year[1]	0.25
Index (relative to statewide average of 0.32 /1000)[2]	0.76

Notes:
1. Rate is calculated using SWITRS collision data and population figures provided by the U.S. Census Bureau.
2. The Index is based on a ratio of the local collision rate and the statewide collision rate. An index less than one (1.0) indicates that the local accident rate is lower than the statewide average.

End-of-Trip Facilities

Information on existing and proposed end-of-trip facilities is not available.

Multimodal Facilities

Mode	Location	Facility Type
OCTA Buses	City-wide	Bicycle racks on buses
Rideshare	Laguna Hills Mall 24155 Laguna Hills Mall	Bicycle racks
Rideshare/Bus	Laguna Hills Transportation Ctr Calle de Los Caballeros	Bicycle racks (8)

Safety and Education Programs

The City of Laguna Hills does not have bicycle safety and education programs.

Expenditures

Information on past bicycle facility expenditures is not available.

Bicycle Transportation Plan

The City of Laguna Hills does not have an adopted Bicycle Transportation Plan.

Bikeways

Laguna Hills Existing Bikeways

Street	From	To	Class	Mileage
Alicia Pkwy (w/b)	Paseo De Valencia	Moulton Pkwy	I	0.76
Paseo De Valencia (sb)	Laguna Hills Dr	Alicia Pkwy	I	0.28
San Diego Fwy Path s/s	Alicia Pkwy.	North of Georgia Sue Dr.	I	0.33
J01 Bike trail (County of Orange	I-5 fwy	w/o Moulton Pkwy	I	1.8
Alicia Pkwy	Moulton Pkwy	Paseo De Valencia	II	0.76
Paseo De Valencia (nb)	Alicia Pkwy	El Toro Rd	II	1.50
Paseo De Valencia (sb)	El Toro Road	Alicia Pkwy	II	1.50
Paseo De Valencia	Alicia Pkwy	La Paz Rd.	II	0.91
Alicia Pkwy	Paseo de Valencia	Hon Ave	II	0.83
Laguna Hills Dr w/b	Paseo De Valencia	Moulton Pkwy	II	0.70
Laguna Hills Dr e/b	Moulton Pkwy	Paseo De Valencia	II	0.70
Oso Pkwy (e/b)	Moulton Pkwy	Cabot Rd	II	1.71
Oso Pkwy (w/b)	Cabot Rd	Moulton Pkwy	II	1.71
Moulton Pkwy (n/b)	City bdry near Glenwood Dr.	La Paz Rd	II	1.72
Moulton Pkwy (s/b)	City bdry near Glenwood Dr.	City bdry near Nellie Gail Rd	II	2.18
Moulton Pkwy	Lake Forest Dr.	Ridge Route Dr.	II	0.56
Los Alisos Blvd (e/b)	Paseo De Valencia	San Diego Fwy (City bdry)	II	0.43
Los Alisos Blvd (w/b)	San Diego Fwy (City bdry)	Paseo De Valencia	II	0.43
Lake Forest Dr (e/b)	Del Lago Dr	Santa Vittoria	II	0.76
Lake Forest Dr (w/b)	Santa Vittoria Dr	Del Lago Dr.	II	0.76
La Paz Rd e/b	Cabot Rd	I-73	II	2.37
La Paz Rd w/b	I-73	Cabot Rd	II	2.37
Cabot Rd.	La Paz Rd.	s/o Oso Pkwy	III	1.18
			TOTAL	26.3

Regional Priority Proposed Bikeways

Street/Path	From	To	Class	Mileage
Cabot Rd	La Paz Rd.	Oso Pkwy.	Class II	1.19

Laguna Hills Proposed Bikeways

Street/Path	From	To	Class	Mileage
Ridge Route Dr.	Mill Creek	Santa Vittoria	Class II	0.46
Ridge Route Dr	Mill Creek	East of Sea Isle Rd.	Class II	0.68
Aliso Hills Dr	Alicia Pkwy	La Paz Rd	Class II	0.9
Alicia Pkwy	Moulton Pkwy.	Ramona St.	Class II	0.22
Moulton Pkwy	Ridge Route Dr.	Santa Maria Ave.	Class II	0.25
Moulton Pkwy (n/b)	Nellie Gail Rd	La Paz Rd	Class II	0.56
Paseo De Valencia	La Paz Rd.	Cabot Rd.	Class II	0.59
Avenida de La Carlota	Ridge Route Dr.	Los Alisos Blvd	Class III	1.44
Avenida de la Carlota	Ridge Route Dr.	Lake Forest Dr.	Class III	0.73
El Toro Rd (w/b)	City bdry near Ave Carlota	Paseo De Valencia	Class III	0.34
El Toro Rd (e/b)	Paseo De Valencia	City bdry near Ave Carlota	Class III	0.34
Santa Vittoria Dr	Santa Maria Ave	Lake Forest Dr	Class III	1.27

Street/Path	From	To	Class	Mileage
Lake Forest Dr (e/b)	Del Lago Dr.	City Bdry near I-5 fwy	Class III	0.37
Lake Forest Dr (w/b)	City Bdry near I-5 fwy	Del Lago Dr.	Class III	0.37
El Toro Road	Avenida de la Carlota	City Bdry near I-5 fwy	Class III	0.06
Alicia Pkwy	Hon Ave.	City Bdry near I-5 fwy	Class III	0.18
La Paz Rd.	Cabot Rd.	City Bdry near I-5 fwy	Class III	0.08
Oso Pkwy	Cabot Rd.	City Bdry near I-5 fwy	Class III	0.05
			TOTAL	8.89

Laguna Hills Proposed Bikeway Cost Estimates

Facility	Miles	Unit Cost (per mile)	Total
Class II	6.49	$280,000	$1,817,200
Class III	2.12	$21,000	$44,520
		Total	$1,861,720