



2018 Monterey County Active Transportation Plan

5.8 Monterey

Demographic

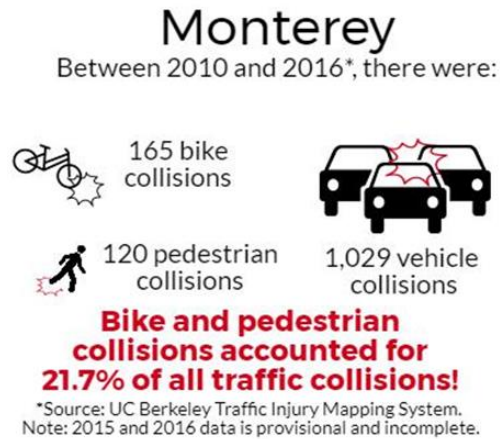
The City of Monterey is a small town in the Monterey Peninsula, with a population of 28,828 based on the California Department of Finance 2017 estimates. The median age in Monterey is 37, which is slightly older than the median age of 33 countywide. Approximately 6.2% of the City’s population is 80 years of age or older and 18.1% are younger than 18. Additionally, Monterey has a significant college student and military population as the following are located in Monterey: Monterey Peninsula College, Middlebury Institute of International Studies, U.S. Navy, U.S. Army, the Presidio of Monterey and the Naval Post Graduate School. This age and population profile, indicates a need for safe active transportation options as these populations tend to have higher rates of biking and walking due to limited or lack of access to vehicles.

Monterey’s scenic beauty, various attractions such as Old Fisherman’s Wharf, Cannery Row and the Monterey Bay Aquarium make it a significant tourist destination. Bicycling and walking along the Rec Trail are popular tourist activities.

Safety Profile

In the City of Monterey, from 2010 to 2016, bicycle and pedestrian collisions made up a significant number of all collisions. Of the 1,314 collisions in Monterey between 2010 and 2016 there were 285 collisions that involved bicyclists and pedestrians. Meaning that bicyclists and pedestrians accounted for 21.7% or 1 out of every 5 collisions. This is alarming given the fact

that bicycling and walking mode shares in Monterey are approximately 2.4% and 11.7% respectively¹. Another alarming statistic is that bicyclists and pedestrians accounted for 53% of all fatal and severe injury collisions during this same analysis period. The data reinforces the need for safe active transportation improvements.



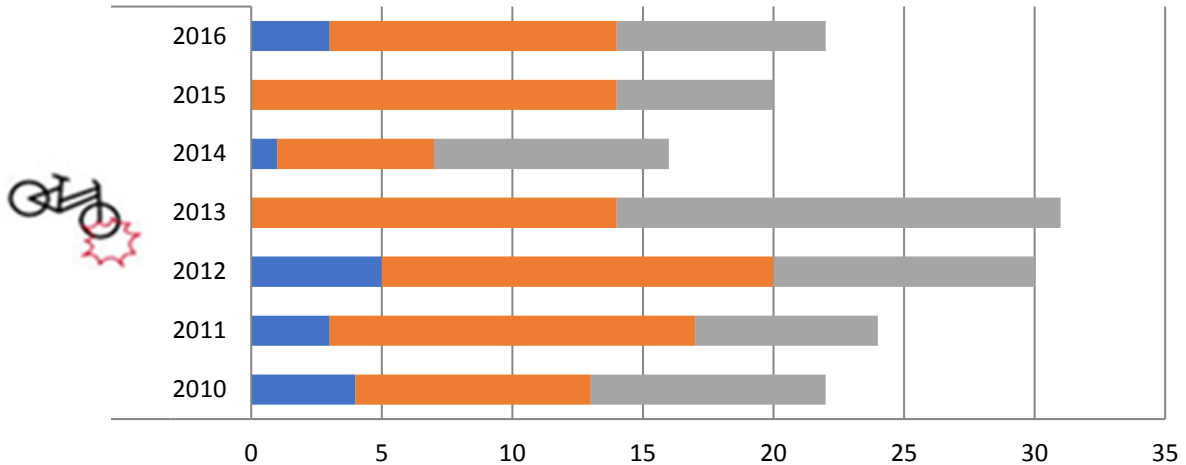
The following charts and maps provide a detailed statistical profile of bike and pedestrian collisions from 2010 to 2016 based on data from the UC Berkeley Traffic Injury Mapping System. Blank fields in the charts represent values of zero. A chart showing non-pedestrian and non-bicycle collisions is also presented to provide context for the analysis during this time period.

¹ Census American Community Survey 2012-2016 Estimates, Table S0801



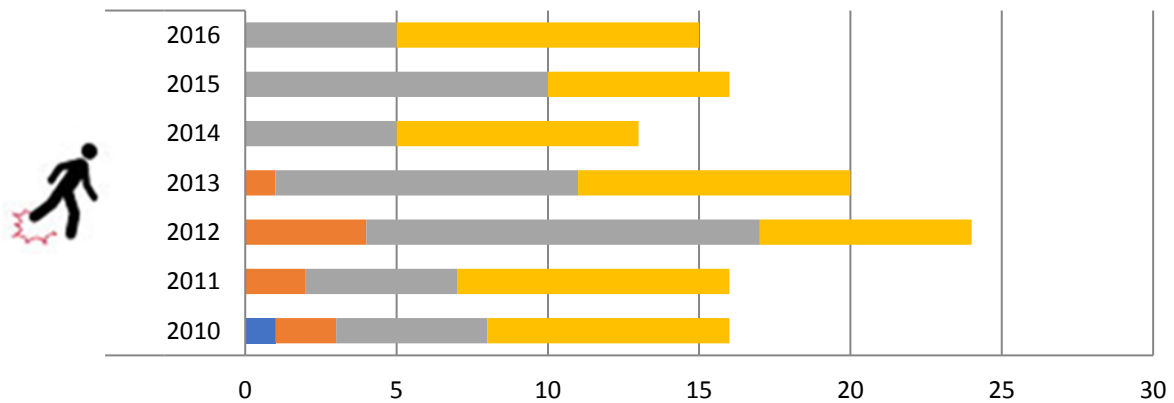
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Bicycle Collisions by Injury Severity: 2010 - 2016



	Y						
	2010	2011	2012	2013	2014	2015	2016
■ 2-Severe Injury	4	3	5		1		3
■ 3-Complaint of Pain	9	14	15	14	6	14	11
■ 4-Other Visible Injury	9	7	10	17	9	6	8

Pedestrian Collisions by Injury Severity: 2010 - 2016

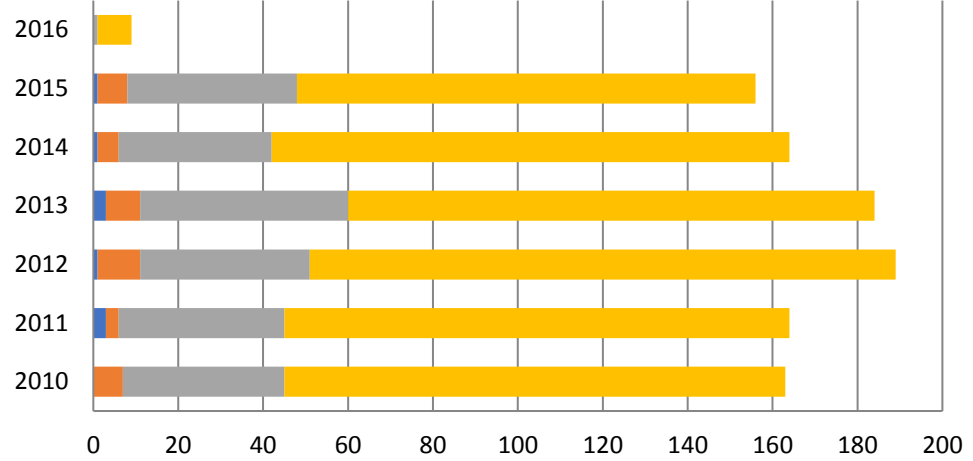


	Y						
	2010	2011	2012	2013	2014	2015	2016
■ 1-Fatality	1						
■ 2-Severe Injury	2	2	4	1			
■ 3-Other Visible Injury	5	5	13	10	5	10	5
■ 4-Complaint of Pain	8	9	7	9	8	6	10

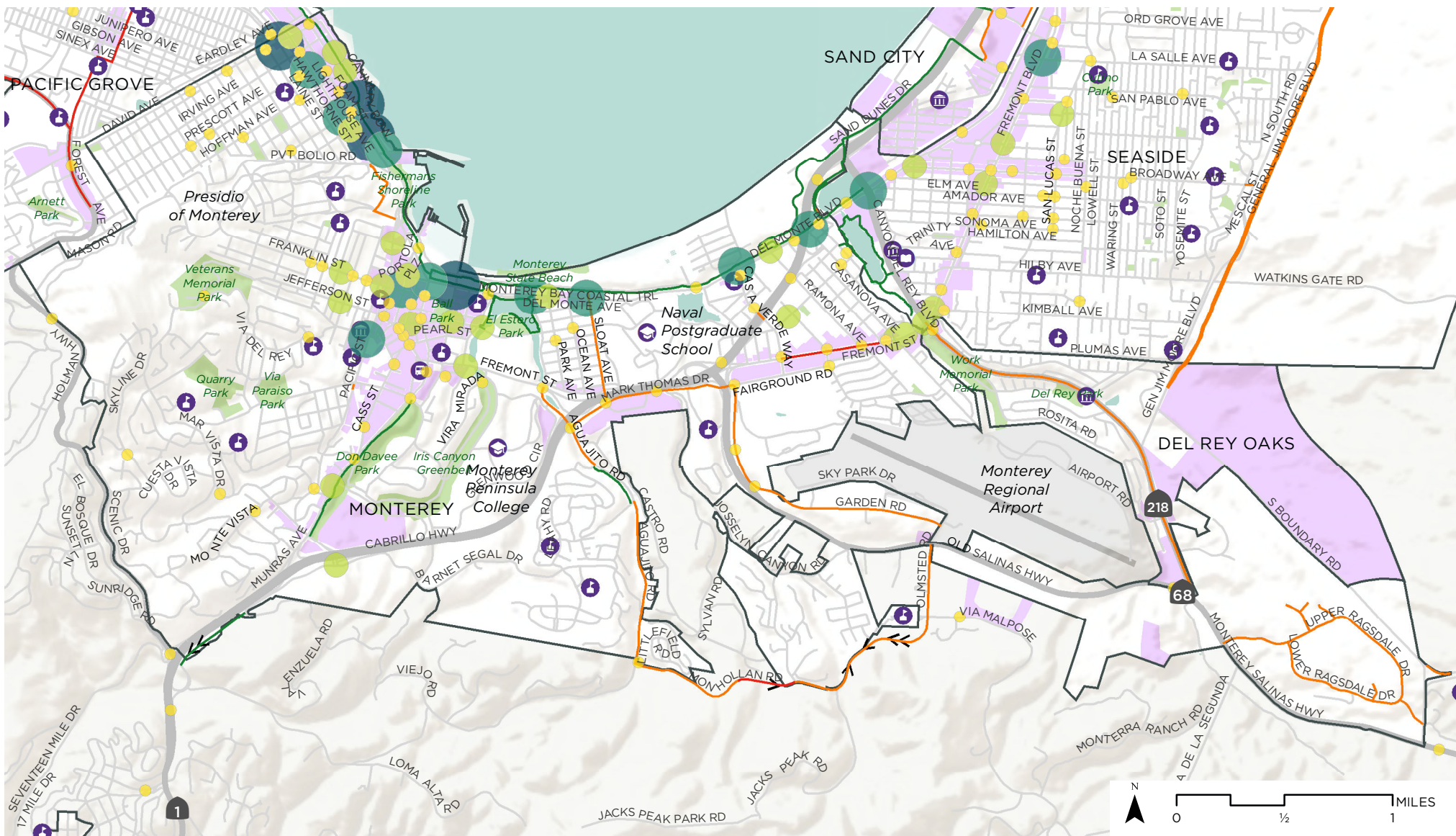


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Vehicle Collisions by Injury Severity: 2010 - 2016



	2010	2011	2012	2013	2014	2015	2016
1- Fatality		3	1	3	1	1	
2-Severe Injury	7	3	10	8	5	7	
3-Other Visible Injury	38	39	40	49	36	40	1
4-Complaint of Pain Injury	118	119	138	124	122	108	8



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Existing Bikeways

- Class I Shared Use Path
- Class II Bike Lane
- Class III Bike Route

Bicycle Collisions

- 1
- 2
- 3 - 5
- 6 - 8

Land Use

- Park/Open Space
- Commercial Area
- City Boundary

Points of Interest

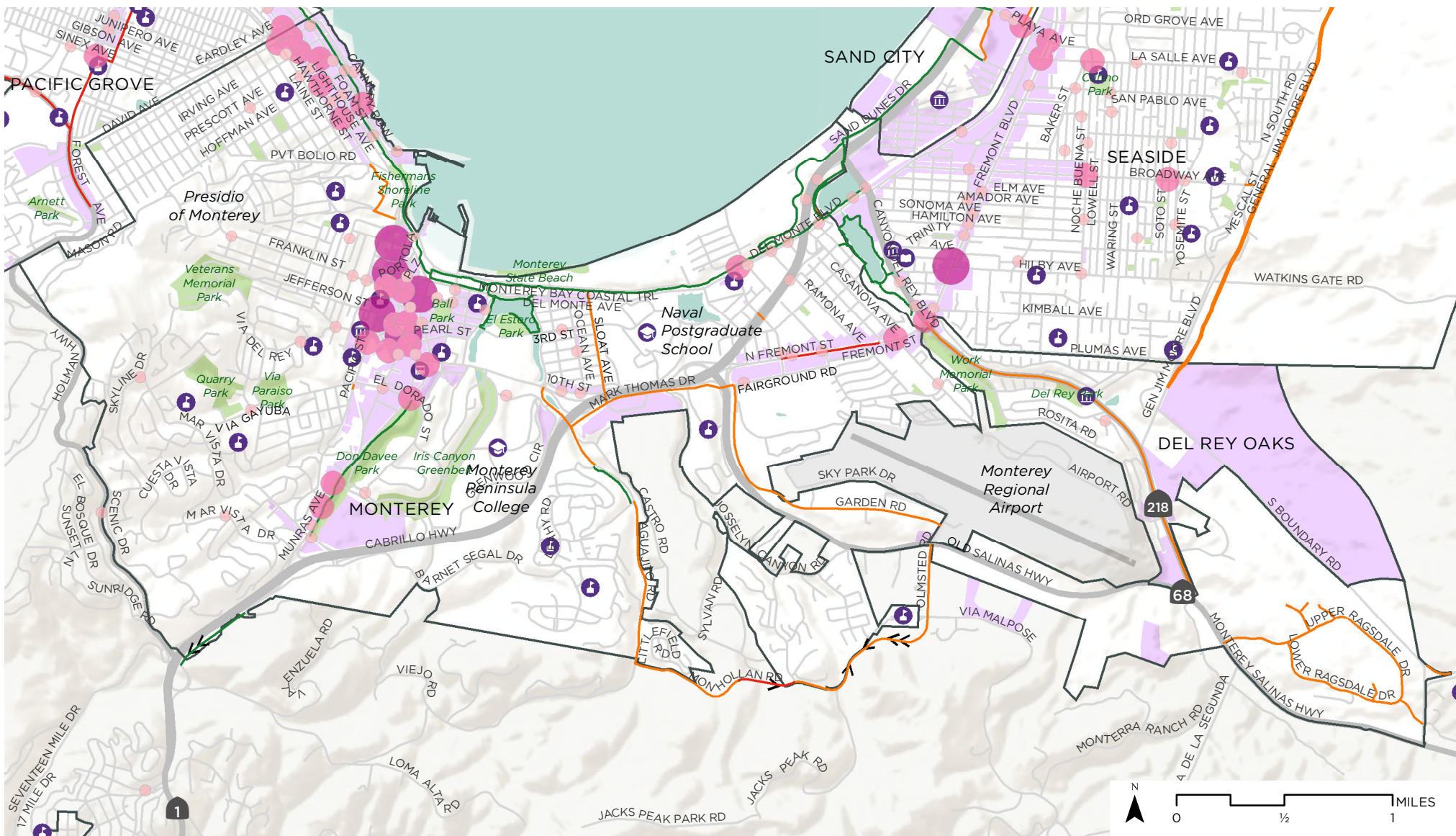
- K-12 School
- Transit Center
- City Hall
- College/University

Uphill bikeway (Slope > 4%)



Data provided by Monterey County TAMC, UC Berkeley TIMS 2010-2016. Terrain data by ESRI/NOAA.

Map produced October 2017 by Alta Planning + Design.



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Existing Bikeways

- Class I Shared Use Path
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Pedestrian Collisions

- 1
- 2
- 3 - 5
- 6 - 8

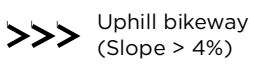


Points of Interest

- K-12 School
- Transit Center
- City Hall
- College/University

Land Use

- Park/Open Space
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Data provided by Monterey County TAMC, UC Berkeley TIMS 2010-2016. Terrain data by ESRI/NOAA.

Map produced October 2017 by Alta Planning + Design.



2018 Monterey County Active Transportation Plan

Plans, Programs & Policies

This Active Transportation Plan builds on the goals, policies, objectives and programs of other Monterey Plans. The bicycle and pedestrian improvements identified in the City's Plans are included in this Active Transportation Plan.

Monterey General Plan

Monterey adopted its current General Plan in 2005. The following circulation goals and policies support this Plan:

- **Goal d:** Promote a pedestrian/bicycle-friendly environment where public spaces, streets, and offstreet paths offer a level of convenience, safety, and attractiveness that encourage and reward the use of alternative modes of transportation.
- **Policy d.1.** Build on the success of the Recreation Trail to make walking and bicycling through Monterey safe and enjoyable.
- **Policy d.3:** Create an integrated, safe, and convenient pedestrian system connecting city neighborhoods, schools, recreation areas, commercial areas, and places of interest.

Monterey on the Move: Multimodal Mobility Plan

The 2013 Monterey on the Mode: Multimodal Mobility Plan includes goals, objectives and strategies to address bicycle, pedestrian and transit rider needs. The infrastructure projects identified in the Multimodal Mobility Plan are included in this Plan. The highest priority projects in that Plan are reflected as high-priority in this Plan:

- East Downtown bike boulevard
- Rec Trail improvements

Citywide Transportation and Parking Study

Monterey's 2012 Citywide Transportation and Parking Study creates a Multi-Modal Transportation and Parking Plan that addresses all the City's main transportation corridor's; ensures the commercial areas are accessible to pedestrians, bicyclists, motorists and are well-served by public transit; and ensures that parking is appropriately managed in terms of pricing and location. Other improvements identified in the Study that support active transportation include: two-way Downtown circulation improvements, bicycle improvements and pedestrian bulbouts on Lighthouse Ave, streetscape improvements on North Fremont St.

Walk and Bike Safe in Monterey

Walk and Bike Safe Monterey is safety education program funded by two grants from the California Office of Traffic Safety (OTS) worth \$184,000. Monterey hosted +30 educational events, including classroom presentations, bike and pedestrian rodeos, successfully reaching over 4,000 children and their parents. Over 4,000 coloring books, safety brochures, bike lights, reflective snap bracelets and 700 bike helmets were distributed.

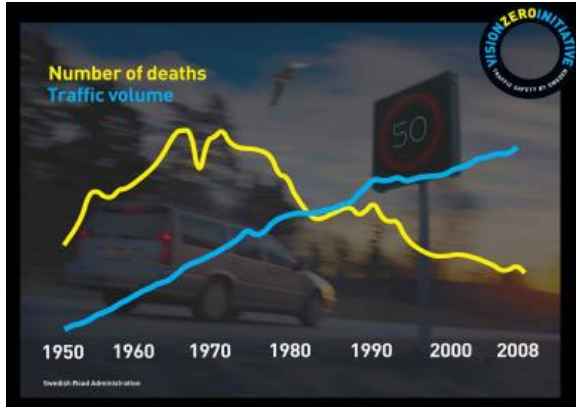
Vision Zero Monterey

Monterey adopted a Vision Zero Action Plan in 2017 to lay out a strategy to reduce fatalities and severe injury collisions to zero. The Vision Zero Plan is part of an international road safety movement that started in Sweden in 1997 that aims to reduce fatalities and severe injuries to zero – the only acceptable number. As shown





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below, road deaths in Sweden have decreased even as traffic volumes have increased.



Monterey’s Vision Zero Plan analyzes road safety as a public health issue, unifies priorities for infrastructure design, safety education, behavior enforcement and evaluation around the goal of zero road fatalities and severe injuries.

improvements included in the Active Transportation Plan draw from this Plan’s extensive public outreach campaign. The following table describes the comments received from the TAMC Bicycle and Pedestrian Committee, the TAMC Technical Advisory Committee and through public participation via the online Wikimapping tool.

	Pedestrian Improvements
	<ul style="list-style-type: none"> English Ave sidewalk and intersection improvements
	Bicycling Improvements
	<ul style="list-style-type: none"> Rec Trail access and intersection improvements East Downtown Bicycle Boulevard Soledad and Munras bike and pedestrian connection Montecito Ave bike improvements Signed bike route to the Cemetery Bike path along Joselyn Canyon Road (from Mark Thomas Drive to Via Isola)

Public Comments

In addition to including projects identified in other City of Monterey Plans, the



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Proposed Projects

The following table represents recommended active transportation projects. The projects are ranked based on their priority within the City of Monterey. The bike boulevard projects are highlighted to show their high-priority within the City’s plans.

Bicycle Infrastructure Improvements

Rank	ATP ID #	Name	Location		Type	Length (miles)	Cost Estimate
1	MRY-4	Monterey Rec Trail Improvements	Casa Verde Way	Warf #1	bike path	1.70	\$1,307,470
2	MRY-8	Foam St	David Ave	Lighthouse Ave	bike lane	0.79	\$41,230
2	MRY-9	Soledad - Viejo	Munras Ave	Existing MUP	bike path	0.70	\$540,518
3	MRY-42	Fremont Blvd	Canyon del Rey Blvd	Casa Verde	bike lane	0.70	\$36,705
3	MRY-17	Abrego St	El Dorado St	Webster St	bike route	0.29	\$3,552
4	MRY-11	Camino Aguajito	Monterey Peninsula Recreational Trail	Fremont St	bike lane	0.47	\$24,842
4	MRY-14	Soledad - Viejo	Munras Ave	Existing MUP	bike lane	0.69	\$36,184
4	MRY-16	Munras Ave	Soledad Dr	El Dorado St	bike lane	0.80	\$41,860
5	MRY-46	Pearl-Jefferson-Johnson-Skyline Route Bicycle Bou*	Camino Aguajito	Alvarado St	bike route	0.69	\$8,404
6	MRY-30	Laine St Bicycle Boulevard	David Ave	Lighthouse Ave	bike route	0.82	\$9,872
7	MRY-10	Lighthouse Ave	David Ave	Private Bolio Rd	bike lane	0.74	\$38,927
7	MRY-2	Pacific St	Polk St	Artillery St	bike lane	0.56	\$29,554
8	MRY-13	Jefferson-Skyline Route Bicycle Boulevard	Alvarado St	Hwy 68	bike route/bike boulevard	2.57	\$31,057
9	MRY-18	Alvarado St Bicycle Boulevard	Pearl St	Monterey Peninsula Recreational Trail	bike route	0.37	\$4,514



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Rank	ATP ID #	Name	Location		Type	Length (miles)	Cost Estimate
10	MRY-33	Van Buren St Bicycle Boulevard	Madison St	Scott St	bike route	0.28	\$3,338
10	MRY-31	Hoffman Ave	Laine St	Monterey Peninsula Recreational Trail	bike route	0.18	\$2,208
11	MRY-36	Oliver St	Van Buren St	Monterey Peninsula Recreational Path	bike lane	0.08	\$4,169
12	MRY-15	Soledad Dr	Pacific St	Munras Ave	bike route	1.32	\$15,932
12	MRY-29	David Ave	Cannery Row	Hwy 68	bike route	0.65	\$7,911
10	MRY-32	Franklin St	Van Buren St	Bowen St	bike route	0.28	\$3,338
12	MRY-34	Van Buren St	Scott St	Seeno St	bike lane	0.05	\$2,735
12	MRY-40	Abrego St	Webster St	Del Monte Ave	bike route	0.29	\$3,458
12	MRY-47	Herman - Madison Route Bicycle Boulevard	Via del Rey	Pacific St	bike route/bike boulevard	0.35	\$18,315
13	MRY-20	Pacific St	Pacific St Bike Lane at Martin St	Madison St	bike route	0.23	\$2,811
13	MRY-25	English Ave	Del Monte Ave	Montecito Ave	bike route	0.22	\$2,673
13	MRY-35	Van Buren St Path	Seeno St	near Artillery St	bike path	0.05	\$35,182
14	MRY-43	Ryan Ranch Park MUP	Park Rd	Harris Ct	bike path	0.32	\$245,935
15	MRY-1	Wave St	David Ave	Monterey Rec Trail	bike route	0.42	\$5,070
15	MRY-24	Casa Verde Way	Hwy 1	Del Monte Ave	bike route	0.22	\$2,677
15	MRY-50	Casa Verde Way	Fairground Rd	Fremont St	bike route	0.08	\$909
16	MRY-21	Herman - Madison Route Bicycle Boulevard	Via del Rey	Pacific St	bike route/bike boulevard	0.37	\$4,436
16	MRY-23	Casa Verde	Fremont St	Hwy 1	bike route	0.20	\$2,455



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Rank	ATP ID #	Name	Location		Type	Length (miles)	Cost Estimate
		Way					
16	MRY-48	Polk St Bicycle Boulevard	Pacific St	Pearl St	bike lane	0.05	\$2,515
17	MRY-22	Polk St Bicycle Boulevard	Alvarado St	Hartnell St	bike lane	0.10	\$5,213
18	MRY-38	Fairground Rd	Garden Rd	Montsalas Dr	bike route	0.07	\$843
19	MRY-45	York Rd	Hwy 68	South Boundary Rd	bike lane	0.37	\$19,163
19	MRY-49	Fairground Rd	Casa Verde Way	Airport Rd	bike lane	0.21	\$11,147
20	MRY-26	Montecito Ave	Casa Verde Way	English Ave	bike route	0.43	\$5,240
20	MRY-37	Fairground Rd	Garden Rd	Casa Verde Way	bike lane	0.24	\$12,427
20	MRY-7	Josselyn Canyon Rd	SR 68	Mark Thomas Dr	bike path	1.49	\$1,145,959
21	MRY-27	Casanova Ave	Montecito Ave	Euclid Ave	bike route	0.73	\$8,830
21	MRY-28	Airport Rd - Euclid Ave	Casanova Ave	Fremont St	bike route	0.69	\$8,404
21	MRY-41	Josselyn Canyon Rd	Hwy 68	Mark Thomas Rd	bike lane	1.51	\$78,881
21	MRY-6	Prescott Ave	Forest Ave	Lighthouse Ave	bike route	1.20	\$14,520
22	MRY-44	3rd St Bicycle Boulevard	Sloat Ave	Camino Aguajito	bike route	0.24	\$2,907
22	MRY-5	El Dorado St	Munras Ave	Pacific St	bike lane	0.27	\$13,938
23	MRY-39	Olmsted Rd	Hwy 68	Garden Rd	bike lane	0.10	\$5,121
24	MRY-3	Reeside Ave	Hawthorne St	Foam St	bike lane	0.11	\$5,921
25	MRY-12	Fremont St	Abrego St	Camino Aguajito	bike lane	0.55	\$28,826
26	MRY-19	Pacific St	Soledad Dr	Pacific St Bike Lane	bike route	0.70	\$8,480

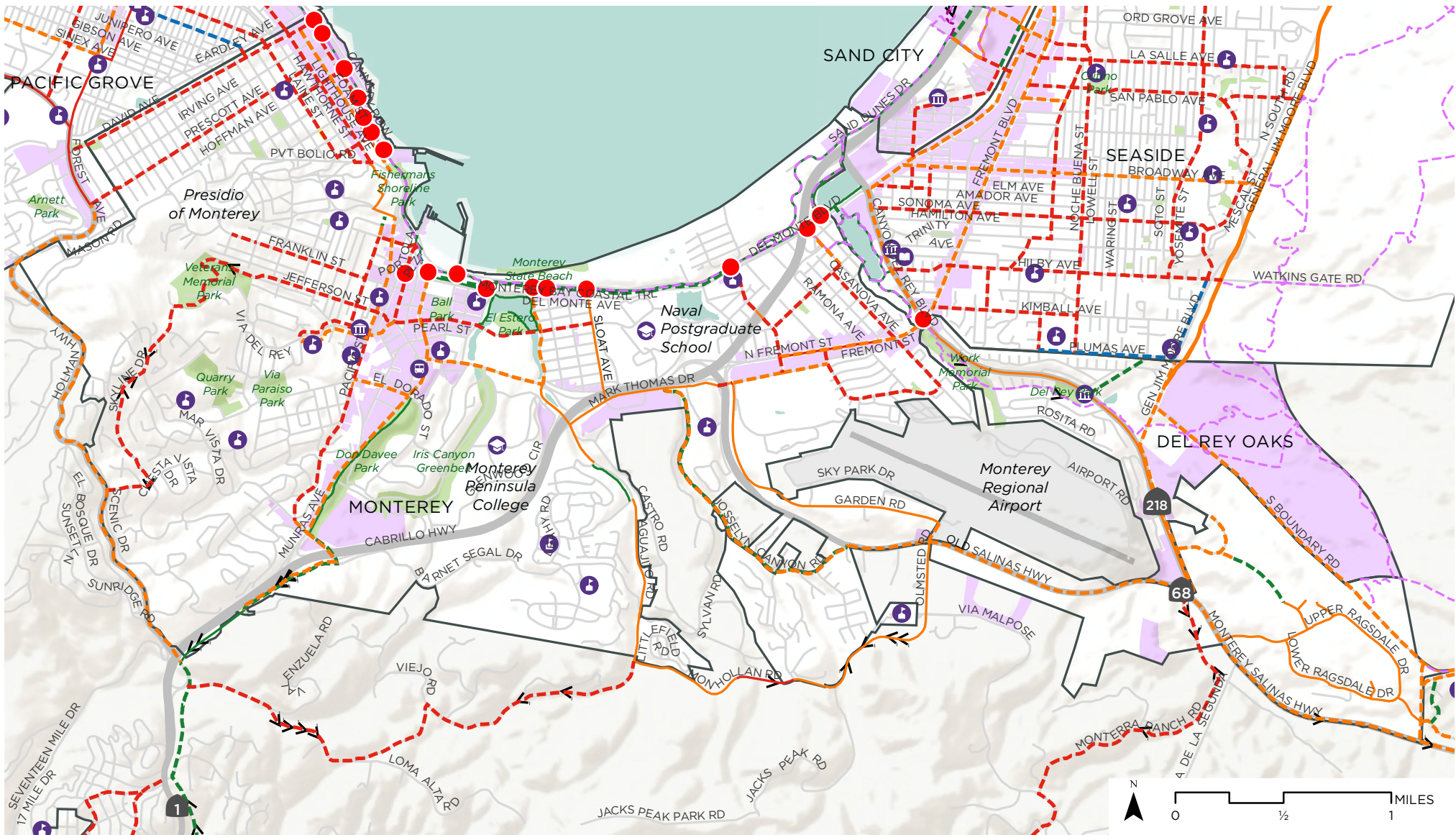


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Pedestrian Infrastructure Improvements

Pedestrian projects are unranked.

Location		Type	Length	Cost Estimate	Notes
Reeside Ave	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
Monterey Rec Trail	Dickman Ave	pedestrian intersection improvement		\$71,600.00	
Drake Ave	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
David Ave	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
Irving Ave	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
Hoffman Ave	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
Drake Ave	Dickman Ave	~322 feet of sidewalk		\$224,791.10	
Municipal Wharf 2	Monterey Rec Trail	pedestrian intersection improvement		\$71,600.00	
Camino El Estero	Del Monte Ave	pedestrian intersection improvement		\$71,600.00	
Fishermans Wharf	Del Monte Ave	pedestrian intersection improvement		\$71,600.00	
English Ave	Del Monte Blvd	pedestrian intersection improvement		\$71,600.00	2 curb ramps
Soledad Dr	Munras Ave	Pedestrian intersection improvement		\$71,600.00	sidewalk, and ADA ramps



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Existing Bikeways

- Class I Shared Use Path
- Class II Bike Lane
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Proposed Pedestrian Improvements

- Sidewalk
- Intersection

Land Use

- Park/Open Space
- Commercial Area
- City Boundary

Points of Interest

- K-12 School
- Transit Center
- City Hall
- College/University

Proposed Bikeway Improvements

- - - Class I Shared Use Path
- - - Class II Bike Lane
- - - Class III Bike Route
- - - Class IV Protected Bike Lane
- - - Fort Ord Rec Trail and Greenway
- - - Monterey Bay Sanctuary Scenic Trail

