



2018 Monterey County Active Transportation Plan

Appendix 3 – Existing Bicycle and Pedestrian Mode Share

Bicycle Mode Share Estimate

Variable	Figure	Source
Existing Population	442,365	California Dept. of Finance Population 2017
Existing Employed Population	182,614	American Community Survey 2012-2016, Commuting Table S0801
Existing Bike-to-Work Mode Share	0.80%	American Community Survey 2012-2016, Commuting Table S0801
Existing number of bike-to-work commuters	1,461	Employed persons * bike-to-work mode share
Existing work-at-home mode share	4.50%	American Community Survey 2010-2014, Commuting Table S0801
Existing number of work-at-home bike commuters	821.763	Assumes 10% of population working at home makes at least one daily bicycle trip
Existing transit-to-work mode share	2.00%	American Community Survey 2010-2014, Commuting Table S0801
Existing number of bike to transit-to-work commuters	109.5684	Estimate of 3% transit to work commuters bike to transit based on survey results from "Marina Service Area Study" (Monterey-Salinas Transit, 2009), "South County Service Analysis" (Monterey-Salinas Transit, 2010), and "Salinas Area Service Study II" (Monterey-Salinas Transit, 2012)
Existing school children bicycling mode share	3.00%	Estimate based on National Safe Routes to School Partnership estimated 13% of children that walk or bike to school in the U.S. This analysis assumes 5% of those children bicycle and due to the rural setting of Monterey County, a slightly less percent (3%) of children are estimated to bicycle to school.
Existing school children (grades K-12)	81,772	American Community Survey 2010-2014, School Enrollment Table S1401
Existing school children bike commuters	2,453	School children population * school children bicycling mode share
Existing number of college students in the area	29,698	American Community Survey 2010-2014, School Enrollment Table S1401
Existing estimated college bicycling mode share	3.40%	California State University, Monterey Bay Campus Commuter Survey 2016
Existing college	1009.732	College student population * college student bicycling mode share.



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bike commuters		
Existing total number of bike commuters	5,746	Total bike-to-work, school, college and utilitarian bike trips. Does not include recreation.
Estimated Countywide Bicycle Mode Share	2.60%	Total daily bicycle trips/population (does not include recreational bicycle trips)
Estimated total daily bicycling trips	11,491	Total bicycle commuters * 2 (for round trips)

Pedestrian Mode Share Estimate

Variable	Figure	Source
Existing Population	442,365	California Dept. of Finance Population 2014
Existing Employed Population	182,614	American Community Survey 2010-2014, Commuting Table S0801
Existing Walk-to-Work Mode Share	3.10%	American Community Survey 2010-2014, Commuting Table S0801
Existing number of walk-to-work commuters	5,661	Employed persons * walk-to-work mode share
Existing work-at-home mode share	4.50%	American Community Survey 2010-2014, Commuting Table S0801
Existing number of work-at-home walk commuters	2054.408	Assumes 25% of population working at home makes at least one daily walking trip
Existing transit-to-work mode share	2.00%	American Community Survey 2010-2014, Commuting Table S0801
Existing number of walk to transit-to-work commuters	3,214	Estimate of 88% transit to work commuters walk to transit based on survey results from "Marina Service Area Study" (89.7% walk to transit, Monterey-Salinas Transit, 2009), "South County Service Analysis" (80.5% walk to transit, Monterey-Salinas Transit, 2010), and "Salinas Area Service Study II" (94% walk to transit, Monterey-Salinas Transit, 2012)
Existing school children walking mode share	8.00%	Estimate based on National Safe Routes to School Partnership estimated 13% of children that walk or bike to school in the U.S. This analysis assumes 8% of those children walk to school.
Existing school children (grades K-12)	81,772	American Community Survey 2010-2014, School Enrollment Table S1401



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Existing school children walk commuters	6,542	School children population * school children walking mode share
Existing number of college students in the area	29,698	American Community Survey 2010-2014, School Enrollment Table S1401
Existing estimated college walking mode share	9.90%	California State University, Monterey Bay Campus Commuter Survey 2016
Existing college walk commuters	2,940	College student population * college student walking mode share.
Existing total number of walk commuters	20,411	Total walk to work, school, college and utilitarian walking trips. Does not include recreation.
Estimated Countywide Walk Mode Share	4.61%	Total daily walk trips/population (does not include recreational bicycle trips)
Estimated total daily walking trips	40,823	Total walk commuters * 2 (for round trips)