

Appendix A:
Existing and Potential Bicycle Commuter
Calculations

Current Commuting Statistics		Source
Los Angeles Population	3,694,820	Census 2000
Number of Commuters	1,433,200	Census 2000
Number of Bicycle-to-Work Commuters	9052	Census 2000
Bicycle-to-Work Mode Share	0.63%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	524,925	Census 2000
Estimated School Bicycle Commuters	12,598	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	233,148	Census 2000
Estimated College Bicycle Commuters	11657	National Cycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership		Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
	493,100	
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Estimated Number of Daily Los Angeles Bikes-on-Transit users	4,931	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	38,239	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters. Does not include recreation.
Estimated Adjusted Mode Share	1.7%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	76,477	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	50,789	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	178,878	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	372,453	Census 2000
Number of workers who already bicycle or walk to work	62,438	Census 2000
Number of potential bicycle commuters	310,015	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	77,504	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	115,742	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	231,485	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	168,984	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	777,326	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	205,991,288	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	2,177	(0.0028 kg/mile)
Reduced CO (kg/weekday)	16,246	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	1,080	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	322,979	(.4155 kg/mile)
Reduced HC (metric tons/year)	557	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	4,159	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	277	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	82,683	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
North Valley Population	653,212	Census 2000
Number of Commuters	256,215	Census 2000
Number of Bicycle-to-Work Commuters	1,112	Census 2000
Bicycle-to-Work Mode Share	0.43%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	102,691	Census 2000
Estimated School Bicycle Commuters	2,465	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	39,473	Census 2000
Estimated College Bicycle Commuters	1974	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership		Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
	87,176	
Estimated Number of Daily Los Angeles Bikes-on-Transit users	872	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	6,422	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters Does not include recreation.
Estimated Adjusted Mode Share	1.6%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	12,844	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	8,390	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	27,884	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	63,042	Census 2000
Number of workers who already bicycle or walk to work	6,550	Census 2000
Number of potential bicycle commuters	56,492	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	14,123	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	20,545	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	41,090	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	29,996	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	137,980	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	36,564,743	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	386	(0.0028 kg/mile)
Reduced CO (kg/weekday)	2,884	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	192	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	57,331	(.4155 kg/mile)
Reduced HC (metric tons/year)	99	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	738	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	49	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	14,677	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
South Valley Population	703,841	Census 2000
Number of Commuters	307,131	Census 2000
Number of Bicycle-to-Work Commuters	1,693	Census 2000
Bicycle-to-Work Mode Share	0.55%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	89,644	Census 2000
Estimated School Bicycle Commuters	2,151	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	38,170	Census 2000
Estimated College Bicycle Commuters	1909	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership	93,933	Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
Estimated Number of Daily Los Angeles Bikes-on-Transit users	939	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	6,692	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters Does not include recreation.
Estimated Adjusted Mode Share	1.5%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	13,385	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	8,910	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	31,636	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	73,122	Census 2000
Number of workers who already bicycle or walk to work	8,766	Census 2000
Number of potential bicycle commuters	64,356	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	16,089	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	22,781	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	45,563	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	33,261	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	152,999	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	40,544,758	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	428	(0.0028 kg/mile)
Reduced CO (kg/weekday)	3,198	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	213	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	63,571	(.4155 kg/mile)
Reduced HC (metric tons/year)	110	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	819	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	54	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	16,274	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
Central Population	668,682	Census 2000
Number of Commuters	261,637	Census 2000
Number of Bicycle-to-Work Commuters	1,377	Census 2000
Bicycle-to-Work Mode Share	0.53%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	76,748	Census 2000
Estimated School Bicycle Commuters	1,842	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	37,581	Census 2000
Estimated College Bicycle Commuters	1879	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership	89,240	Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
Estimated Number of Daily Los Angeles Bikes-on-Transit users	892	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	5,990	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters Does not include recreation.
Estimated Adjusted Mode Share	1.6%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	11,981	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	8,009	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	28,837	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	64,300	Census 2000
Number of workers who already bicycle or walk to work	15,072	Census 2000
Number of potential bicycle commuters	49,228	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	12,307	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	18,297	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	36,595	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	26,714	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	122,885	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	32,564,624	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	344	(0.0028 kg/mile)
Reduced CO (kg/weekday)	2,568	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	171	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	51,059	(.4155 kg/mile)
Reduced HC (metric tons/year)	88	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	657	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	44	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	13,071	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
East LA Population	397,204	Census 2000
Number of Commuters	141,933	Census 2000
Number of Bicycle-to-Work Commuters	474	Census 2000
Bicycle-to-Work Mode Share	0.33%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	63,380	Census 2000
Estimated School Bicycle Commuters	1,521	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	23,818	Census 2000
Estimated College Bicycle Commuters	1191	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership	53,010	Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
Estimated Number of Daily Los Angeles Bikes-on-Transit users	530	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	3,716	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters. Does not include recreation.
Estimated Adjusted Mode Share	1.6%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	7,432	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	4,817	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	15,548	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	39,143	Census 2000
Number of workers who already bicycle or walk to work	6,117	Census 2000
Number of potential bicycle commuters	33,026	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	8,257	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	11,973	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	23,945	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	17,480	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	80,408	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	21,308,145	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	225	(0.0028 kg/mile)
Reduced CO (kg/weekday)	1,681	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	112	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	33,410	(.4155 kg/mile)
Reduced HC (metric tons/year)	58	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	430	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	29	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	8,553	1000 kg per metric ton; 256 weekdays/year
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Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.		

Current Commuting Statistics		Source
West LA Population	395,590	Census 2000
Number of Commuters	194,804	Census 2000
Number of Bicycle-to-Work Commuters	1723	Census 2000
Bicycle-to-Work Mode Share	0.88%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	32,351	Census 2000
Estimated School Bicycle Commuters	776	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	42,599	Census 2000
Estimated College Bicycle Commuters	2130	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership		Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
	52,794	
Estimated Number of Daily Los Angeles Bikes-on-Transit users	528	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	5,157	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters Does not include recreation.
Estimated Adjusted Mode Share	1.9%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	10,315	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	7,219	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	29,834	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	67,976	Census 2000
Number of workers who already bicycle or walk to work	12,067	Census 2000
Number of potential bicycle commuters	55,909	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	13,977	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	19,135	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	38,269	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	27,936	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	128,508	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	34,054,554	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	360	(0.0028 kg/mile)
Reduced CO (kg/weekday)	2,686	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	179	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	53,395	(.4155 kg/mile)
Reduced HC (metric tons/year)	92	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	688	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	46	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	13,669	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
South LA Population	684,768	Census 2000
Number of Commuters	200,685	Census 2000
Number of Bicycle-to-Work Commuters	2086	Census 2000
Bicycle-to-Work Mode Share	1.04%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	128,463	Census 2000
Estimated School Bicycle Commuters	3,083	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	41,266	Census 2000
Estimated College Bicycle Commuters	2063	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership	91,387	Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
Estimated Number of Daily Los Angeles Bikes-on-Transit users	914	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	8,146	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters. Does not include recreation.
Estimated Adjusted Mode Share	2.2%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	16,293	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	10,660	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	35,638	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	36,288	Census 2000
Number of workers who already bicycle or walk to work	10,992	Census 2000
Number of potential bicycle commuters	25,296	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	6,324	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	14,470	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	28,941	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	21,127	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	97,182	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	25,753,342	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	272	(0.0028 kg/mile)
Reduced CO (kg/weekday)	2,031	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	135	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	40,379	(.4155 kg/mile)
Reduced HC (metric tons/year)	70	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	520	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	35	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	10,337	1000 kg per metric ton; 256 weekdays/year

Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.

Current Commuting Statistics		Source
Harbor Population	193,052	Census 2000
Number of Commuters	72,330	Census 2000
Number of Bicycle-to-Work Commuters	577	Census 2000
Bicycle-to-Work Mode Share	0.80%	Mode share percentage of Bicycle to Work Commuters
School Children Grades K-8	31,918	Census 2000
Estimated School Bicycle Commuters	766	Healthy People 2010 Mid-course Review (2000)
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Number of College Students	10,125	Census 2000
Estimated College Bicycle Commuters	506	National Bicycling & Walking Study, FHWA, Case Study No. 1, 1995. Review of bicycle commute share in seven university communities (5%)
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Average Weekday Los Angeles Ridership	25,764	Average of weekday system wide Los Angeles Transit boardings on Bus Routes serving Los Angeles
Estimated Number of Daily Los Angeles Bikes-on-Transit users	258	Interpolation from MTA bikes on transit findings.
Estimated Total Number of Bicycle Commuters and Utilitarian Riders	2,107	Total of bike-to-work, transit, school, college and utilitarian bicycle commuters. Does not include recreation.
Estimated Adjusted Mode Share	1.8%	Estimated Bicycle Commuters divided by work and school travelers
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Estimated Current Bicycle Trips		
Total Daily Bicycle Trips	4,214	Total bicycle commuters x 2 (for round trips) plus total number of utilitarian bicycle trips
Reduced Vehicle Trips per Weekday	2,770	Assumes 73% of bicycle trips replace vehicle trips for adults/college students and 53% for school children
Reduced Vehicle Miles per Weekday	9,411	Assumes average one-way trip travel length of 4.6 miles for adults/college students and 0.5 mile for schoolchildren
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Potential Future Bicycle Commuters		
Number of workers with commutes 14 minutes or less	28,582	Census 2000
Number of workers who already bicycle or walk to work	2,792	Census 2000
Number of potential bicycle commuters	25,790	Calculated by subtracting number of workers who already bicycle or walk from the number of workers who have commutes 14 minutes or less
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Future number of new bicycle commuters	6,448	Based on capture rate goal of 25% of potential bicycle riders
Total Future Daily Bicycle Commuters	8,554	Current daily bicycle commuters plus future bicycle commuters
Future Total Daily Bicycle Trips	17,109	Total bicycle commuters x 2 (for round trips)
Future Reduced Vehicle Trips per Weekday	12,489	Assumes 73% of bicycle trips replace vehicle trips
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Future Reduced Vehicle Miles per Weekday	57,452	Assumes average one-way trip travel length of 4.6 miles for adults. Assumes 12 mph average bicycle speed; 23 minute average travel time. Travel time data from NHTS 2001 Trends, Table 26.
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Future Reduced Vehicle Miles per Year	15,224,650	256 weekdays per year
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Future Air Quality Benefits		
Reduced HC (kg/weekday)	161	(0.0028 kg/mile)
Reduced CO (kg/weekday)	1,201	(0.0209 kg/mile)
Reduced NOX (kg/weekday)	80	(0.00139 kg/mile)
Reduced CO2 (kg/weekday)	23,871	(.4155 kg/mile)
Reduced HC (metric tons/year)	41	1000 kg per metric ton; 256 weekdays/year
Reduced CO (metric tons/year)	307	1000 kg per metric ton; 256 weekdays/year
Reduced NOX (metric tons/year)	20	1000 kg per metric ton; 256 weekdays/year
Reduced CO2 (metric tons/year)	6,111	1000 kg per metric ton; 256 weekdays/year
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Emissions rates from EPA report 420-F-00-013 "Emission Facts: Average Annual Emissions and Fuel Consumption for Passenger Cars and Light Trucks." 2000.		