

CALIFORNIA DEPARTMENT OF TRANSPORTATION

MOBILITY PERFORMANCE STATISTICS 2012

DISTRICT 3

Prepared by the

**Office of Freeway Operations, Sacramento
District 3**

January 2014

Unofficial Statistics

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1. DESCRIPTIVE STATISTICS

District Headquarters: Marysville
Counties: Butte, Colusa, El Dorado, Glenn, Nevada, Placer, Sacramento, Sierra, Sutter, Yolo, Yuba

Counties without Detection: Glenn, Colusa

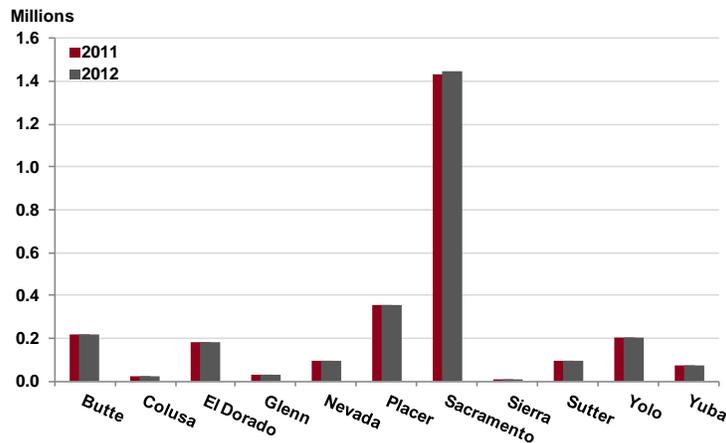
Population: 2,732,537; 0.7% increase over 2011
Population as a Percentage of Statewide: 7.2% of Statewide population

Table 1. POPULATION ESTIMATES AND ABSOLUTE AND PERCENT CHANGE, 2011-2012

County	2011	2012	Difference (2012 - 2011)	
	Population	Population	Absolute	Percent
Butte	220,263	221,485	1,222	0.6%
Colusa	21,598	21,674	76	0.4%
El Dorado	181,711	182,286	575	0.3%
Glenn	28,226	28,349	123	0.4%
Nevada	97,366	97,019	-347	-0.4%
Placer	355,455	357,463	2,008	0.6%
Sacramento	1,433,525	1,445,806	12,281	0.9%
Sierra	3,178	3,166	-12	-0.4%
Sutter	95,119	95,851	732	0.8%
Yolo	204,349	205,999	1,650	0.8%
Yuba	72,642	73,439	797	1.1%
Total	2,713,432	2,732,537	19,105	0.7%

Colusa and Glenn Counties do not participate in mobility performance reporting.
 Source: State of California, Department of Finance, E-1 Population Estimates for Cities, Counties, and the State—January 1, 2012 and 2013. Sacramento, California, May 2013.

Figure 1. POPULATION, BY COUNTY, 2011-2012



Unofficial Statistics

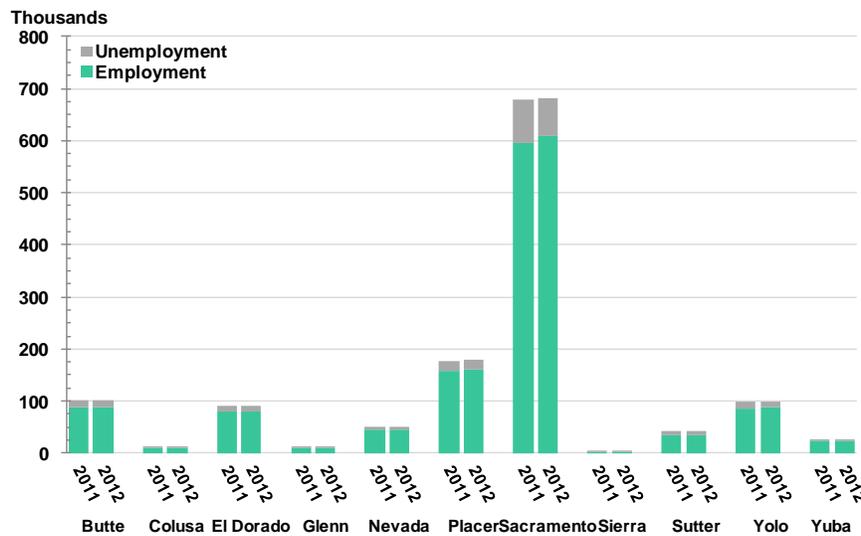
Employment, 2012 Monthly Average: 1,154,287
Unemployment Rate, 2012 Monthly Average: 11.0%, 1.4% decrease over 2011

Table 2. EMPLOYMENT, UNEMPLOYMENT, AND PERCENT CHANGE, BY COUNTY, 2011-2012

County	Unemployment Rate, 2011	Unemployment Rate, 2012	Percent Change in Rate of Unemployment (2012 - 2011)
Butte	13.6%	12.2%	-1.4%
Colusa	20.5%	20.0%	-0.5%
El Dorado	11.9%	10.4%	-1.6%
Glenn	15.9%	14.7%	-1.2%
Nevada	10.6%	9.4%	-1.2%
Placer	10.8%	9.4%	-1.3%
Sacramento	12.1%	10.6%	-1.5%
Sierra	14.8%	14.3%	-0.5%
Sutter	19.0%	17.6%	-1.4%
Yolo	12.5%	11.5%	-1.1%
Yuba	18.4%	16.9%	-1.4%
District Total	12.5%	11.0%	-1.4%

Colusa and Glenn Counties do not participate in mobility performance reporting.
 Data not seasonally adjusted.
 Source: State of California, Employment Development Department (EDD), Labor Market Information Division; data downloaded Sept. 9, 2013.

Figure 2. EMPLOYMENT AND UNEMPLOYMENT, BY COUNTY, 2011-2012

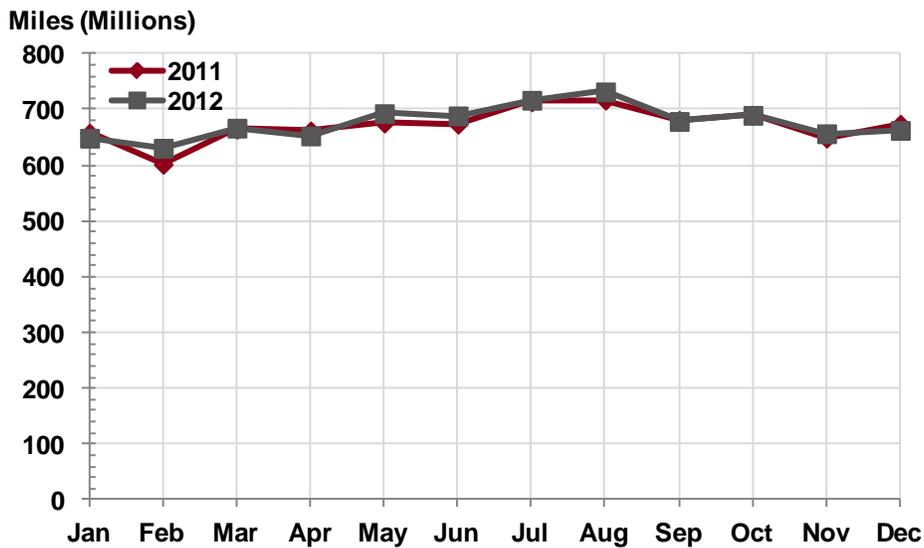


2. TRAVEL DEMAND

Vehicle Miles of Travel, 2012: 8.1 billion miles
Absolute and Percentage Change over 2011: 57.1 million VMT increase; 0.7% increase over 2011
Peak Travel Month, Percentage Change over 2011: August, 731.7 million miles, 2.1% increase over 2011

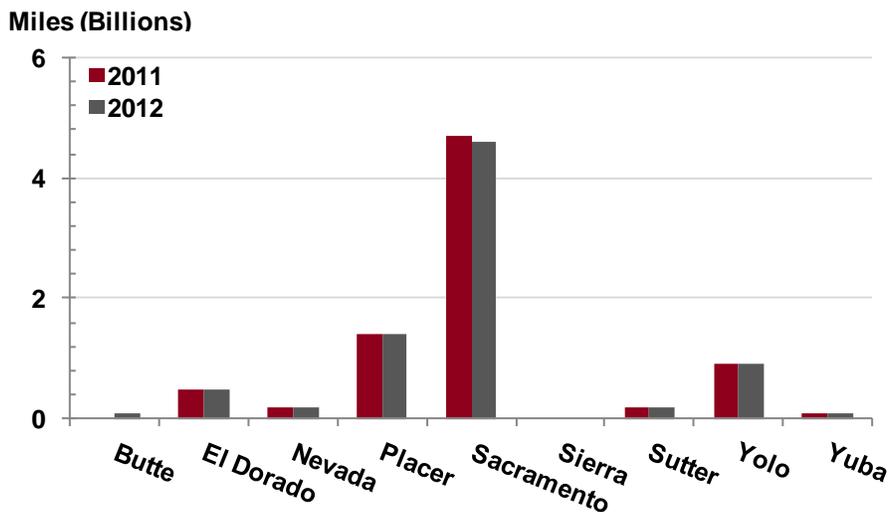
Monthly Trend

Figure 3 (a). TOTAL VEHICLE MILES OF TRAVEL, BY MONTH, 2011-2012



County Trend

Figure 3 (b). TOTAL VEHICLE MILES OF TRAVEL, BY COUNTY, 2011-2012



3. TRAFFIC CONGESTION

3.1. Total and Average Vehicle Hours of Delay at 35 and 60 Miles per Hour

3.1.1 Delay at 35 Miles per Hour

Vehicle Hours of Delay, 35 miles per hour: 2.5 million hours, 15.7% decrease over 2011

Average Non-Holiday Weekday Delay, 35: 8,251 hours, 16.5% decrease over 2011

Percentage of Statewide VHD at 35mph: 2.7%, 0.8% decrease over 2011

Figure 4. TOTAL VEHICLE HOURS OF DELAY AT 35 MILES PER HOUR, BY MONTH, 2011-2012

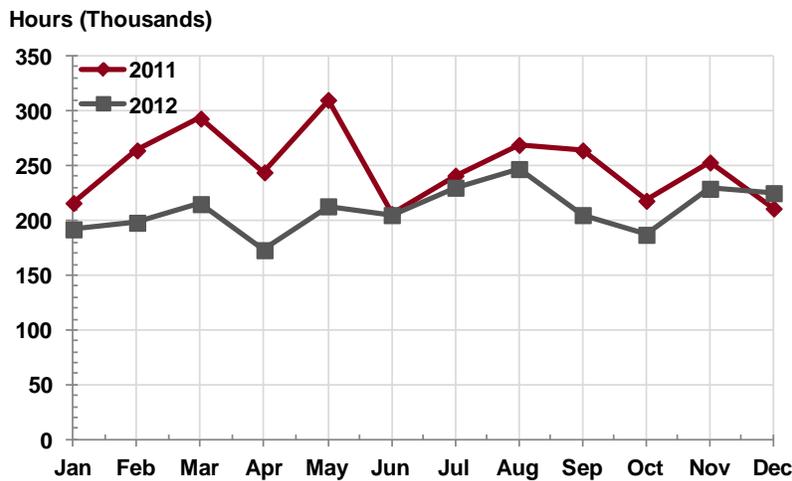
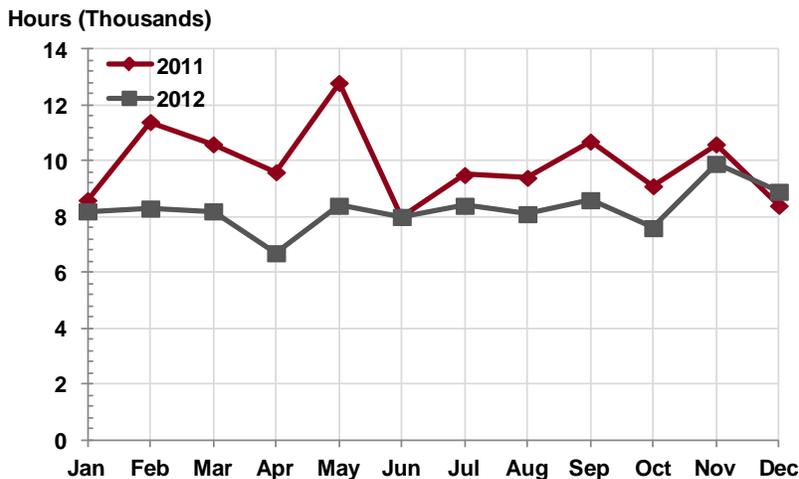


Figure 5. AVERAGE NON-HOLIDAY WEEKDAY VEHICLE HOURS OF DELAY AT 35 MILES PER HOUR, BY MONTH, 2011-2012



3.1.2 Delay at 60 Miles per Hour

Vehicle Hours of Delay, 60 miles per hour: 7.9 million hours, 1.3% decrease over 2011
Average Non-Holiday Weekday Delay, 60: 25,723 hours, 1.6% decrease over 2011
Percentage of Statewide VHD at 60mph: 3.5%, 0.4% decrease over 2011

Figure 6. TOTAL VEHICLE HOURS OF DELAY AT 60 MILES PER HOUR, BY MONTH, 2011-2012

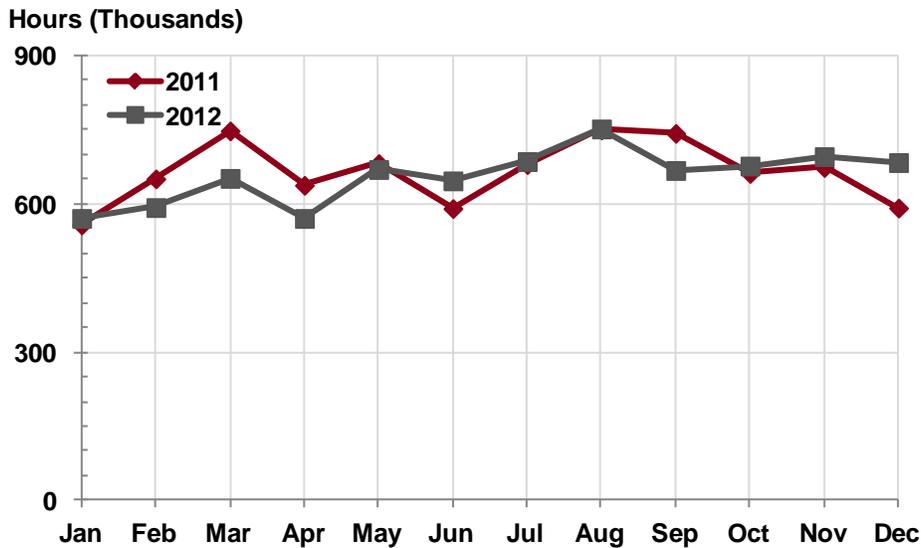
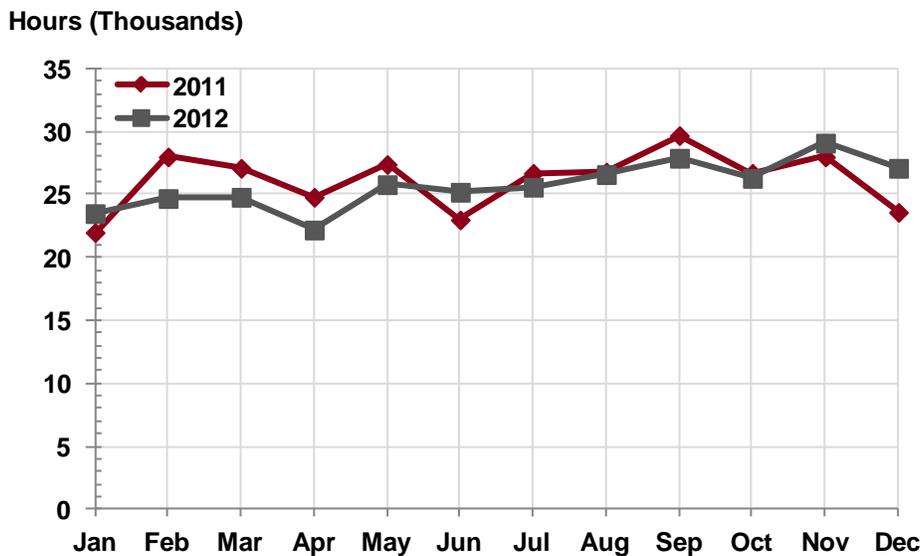


Figure 7. AVERAGE NON-HOLIDAY WEEKDAY VEHICLE HOURS OF DELAY AT 60 MILES PER HOUR, BY MONTH, 2011-2012



3.2. Average Vehicle Hours of Delay by Day of Week

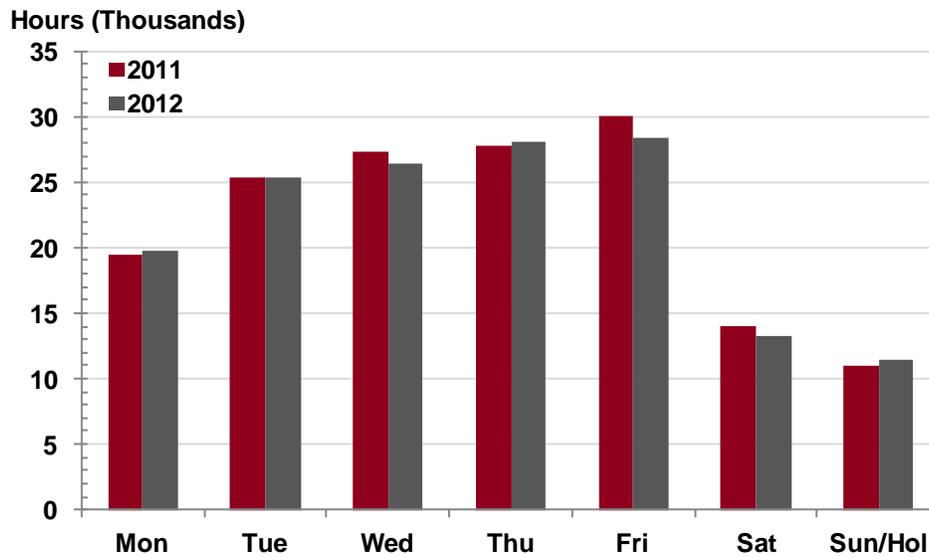
Most Congested Day of the Week, 60 mph: Friday, 28,358 hours, 5% decrease over 2011

Highest Absolute Change in Delay, 60mph: Friday, 1,599 VHD decrease, 5% decrease over 2011

Highest Percentage Change in Delay Friday, 1,599 VHD decrease, 5% decrease over 2011

Delay at 60 miles per hour

Figure 8: AVERAGE VEHICLE HOURS OF DELAY AT 60 MILES PER HOUR, BY DAY OF WEEK, 2011-2012



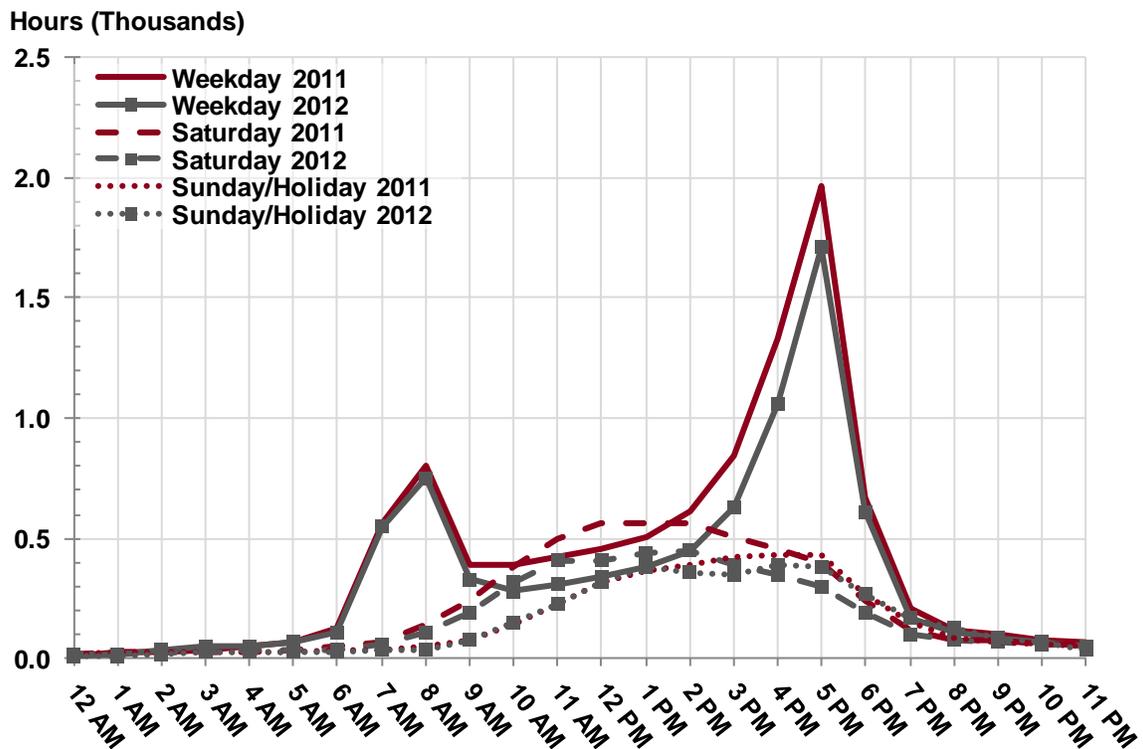
3.3. Average Vehicle Hours of Delay by Hour of Day

3.3.1 Delay at 35 Miles per Hour

- Weekday PM Peak Hour, 35 mph:** 5 PM, 1,715 hours, 12% decrease over 2011
- Weekday AM Peak Hour, 35 mph:** 8 AM, 753 hours, 6% decrease over 2011
- Saturday Peak Hour, 35mph** 2 PM, 453 hours, 18% decrease over 2011
- Sunday/Holiday Peak Hour, 35mph** 4 PM, 393 hours, 8% decrease over 2011

Delay at 35 miles per hour

Figure 9. AVERAGE VEHICLE HOURS OF DELAY AT 35 MILES PER HOUR, BY HOUR OF DAY, 2011-2012

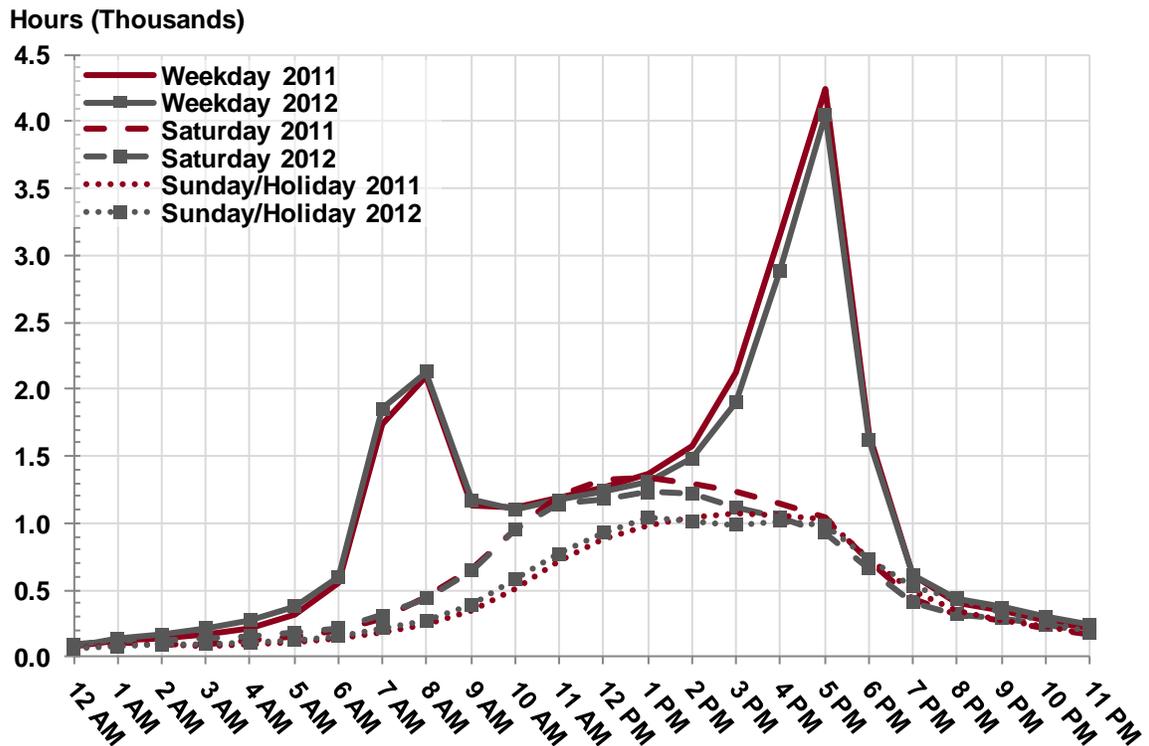


3.3.2 Delay at 60 Miles per Hour

Weekday PM Peak Hour, 60 mph: 5 PM, 4,053 hours, 4% decrease over 2011
Weekday AM Peak Hour, 60 mph: 8 AM, 2,131 hours, 2% increase over 2011
Saturday Peak Hour, 60mph 1 PM, 1,232 hours, 8% increase over 2011
Sunday/Holiday Peak Hour, 60mph 1 PM, 1,036 hours, 5% increase over 2011

Delay at 60 miles per hour

Figure 10. AVERAGE VEHICLE HOURS OF DELAY AT 60 MILES PER HOUR, BY HOUR OF DAY, 2011-2012

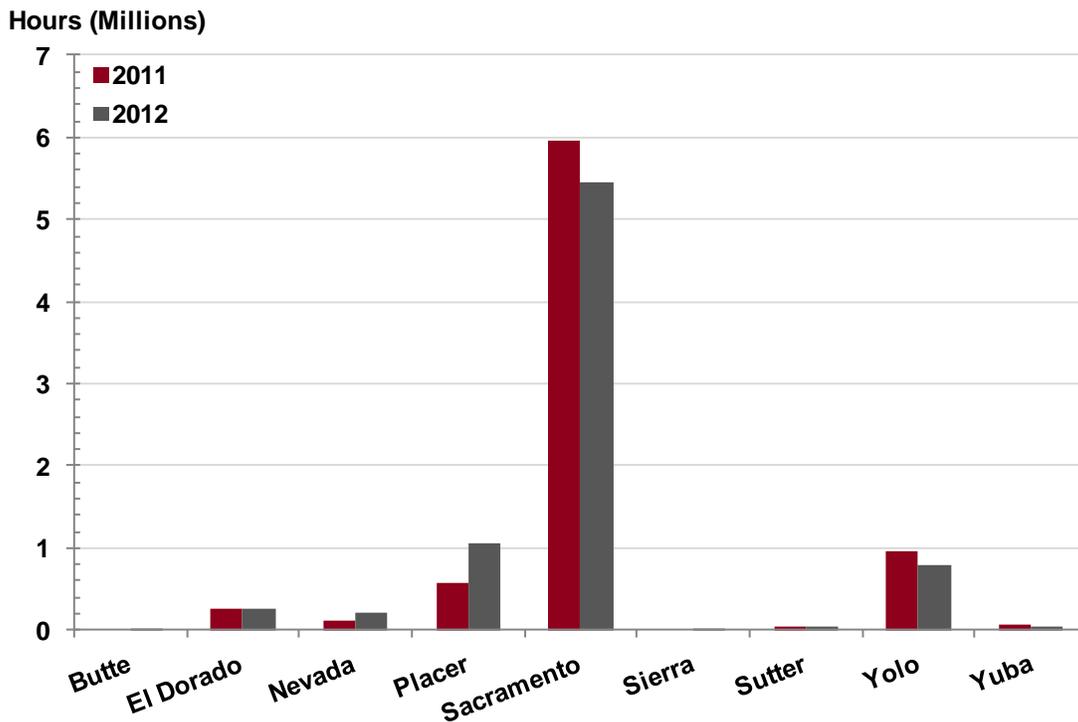


3.4. Total Vehicle Hours of Delay by County

County with Largest Delay, 60 mph:	Sacramento, 5.5 million hours, 8.7% decrease over 2011 VHD, 69% of District total VHD
County with 2nd Largest Delay, 60mph:	Placer, 1 million hours, 78.8% increase over 2011 VHD, 13% of District total VHD
County with Largest Increase in Delay, 60 mph:	Placer, 460,866 hours, 78.8% increase over 2011
County with Largest Decrease in Delay, 60 mph:	Sacramento, -520,932 hours, 8.7% decrease over 2011

Delay at 60 miles per hour

Figure 11. TOTAL ANNUAL VEHICLE HOURS OF DELAY AT 60 MILES PER HOUR, BY COUNTY, 2011-2012

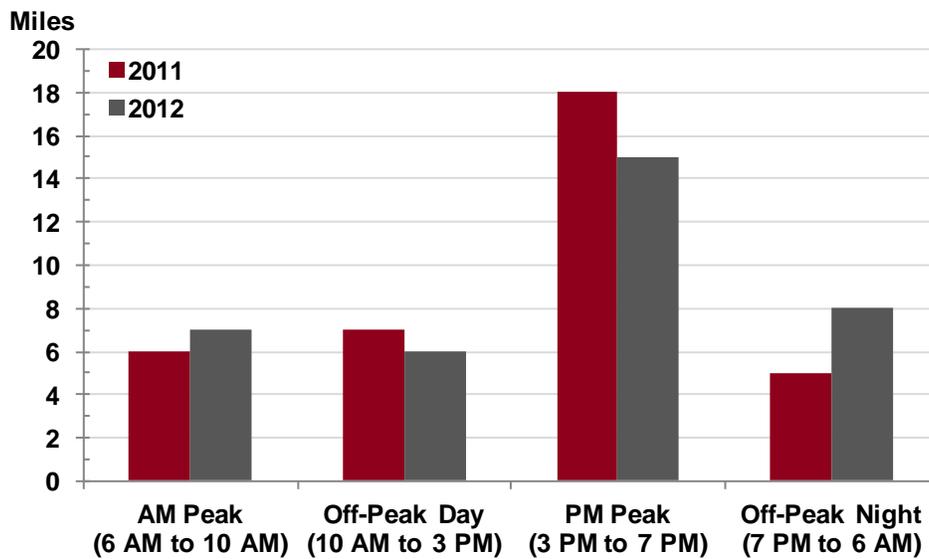


3.5. Lost Productivity

AM Peak:	7 miles, 15.3% increase over 2011
Off-Peak Day:	6 miles, 18.3% decrease over 2011
PM Peak:	15 miles, 12.6% decrease over 2011
Off-Peak Night:	8 miles, 54.3% increase over 2011

Lost Lane Miles at 35 miles per hour

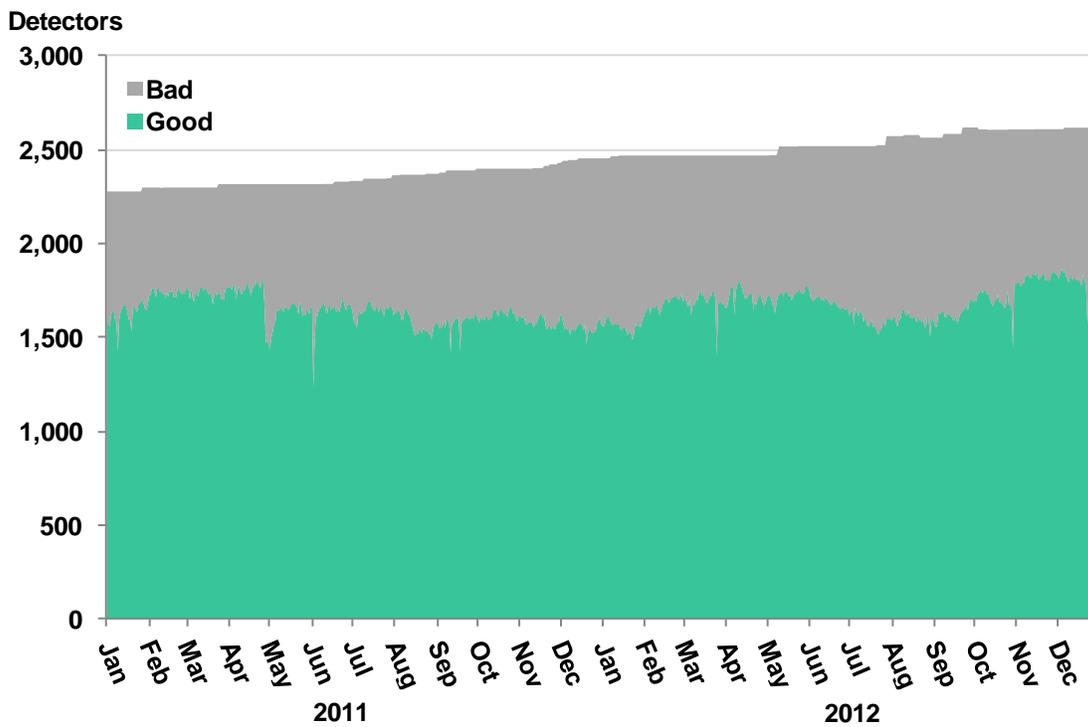
Figure 12. AVERAGE NON-HOLIDAY WEEKDAY EQUIVALENT LOST LANE MILES



4. DETECTOR HEALTH AND DATA QUALITY

Directional Mainline Miles: 3,005 miles
Directional Mainline Miles with Detection: 629 miles
Number of Detectors at End of 2012: 2,616, 7% increase over 2011
Average Percentage of Good and Bad Detection: 66.3% good, 2.7% increase over 2011; 33.7% bad, 19.7% increase over 2011
Number of Days Reporting less Than 50% Working Detection: 0

Figure 13. DETECTOR HEALTH BY DAY, 2011-2012



5. FREEWAY CONGESTION AND BOTTLENECK LOCATIONS

5.1. Congestion by Freeway

Congestion Contributed by Top Ten Congested Freeways: 7,363,595 hours, 94% of total VHD in 2012

Table 3. TOP CONGESTED FREEWAYS, 2011-2012

Route	County	Vehicle Hours of Delay at 60 mph		Difference (2012 - 2011)		Rank	
		2011	2012	Absolute	Percent	2011	2012
SR-99	Sacramento	1,710,595	1,670,474	-40,121	-2%	1	1
US-50	Sacramento	1,121,970	1,294,019	172,048	15%	3	2
I-5	Sacramento	1,131,991	927,010	-204,981	-18%	2	3
SR-51	Sacramento	959,693	881,426	-78,267	-8%	5	4
I-80	Placer	446,213	782,839	336,627	75%	7	5
I-80	Sacramento	1,042,897	667,158	-375,739	-36%	4	6
I-80	Yolo	550,135	507,292	-42,842	-8%	6	7
US-50	El Dorado	247,159	254,511	7,353	3%	8	8
I-80	Nevada	117,917	213,378	95,460	81%	10	9
I-5	Yolo	240,054	165,489	-74,565	-31%	9	10
TOTALS		7,568,622	7,363,595	-205,027	-2.7%		

5.2. Bottleneck Locations

Total Delay, All AM Bottlenecks: 93,226 hours
Top Ten Bottleneck Delay, AM: 93,226 hours
Percentage Top Ten Bottleneck Delay of Total Bottleneck Delay, AM: 100%

Table 4 (a). TOP BOTTLENECKS, AM PEAK PERIOD

Rank	County	City	Freeway	CA Postmile	Approximate Location	Average Extent (miles)	Total Delay (hours)	Average Daily Delay (hours)	Average Duration (hours)	Percent of Days Active
1	Sacramento	Sacramento	SR99-N	23.42	8th Ave. Pedestian Overcrossing	0.80	21,488	112	1.3	76%
2	Sacramento	Sacramento	SR99-N	19.8	Florin Rd.	1.15	18,852	135	1.3	56%
3	Sacramento	Sacramento	I80-W	16	Truck Weigh Station	1.35	11,377	163	0.8	28%
4	Sacramento	Sacramento	I80-W	12.35	Madison Ave.	1.04	11,201	135	1.0	33%
5	Sacramento	Sacramento	US50-W	R4.5	Occidental Drive	1.21	9,251	125	0.8	29%
6	Sacramento	Sacramento	I5-N	18.705	43rd Ave.	1.75	7,842	126	0.6	25%
7	Sacramento	Sacramento	I5-S	25.378	Garden Highway	1.52	7,000	119	0.8	24%
8	Sacramento	Sacramento	US50-W	R3.8	Howe Ave.	1.46	6,217	122	0.8	20%

Total Delay, All PM Bottlenecks: 567,032 hours
Top Ten Bottleneck Delay, PM: 428,232 hours
Percentage Top Ten Bottleneck Delay of Total Bottleneck Delay, PM: 76%

Table 4 (b). TOP BOTTLENECKS, PM PEAK PERIOD

Rank	County	City	Freeway	CA Postmile	Approximate Location	Average Extent (miles)	Total Delay (hours)	Average Daily Delay (hours)	Average Duration (hours)	Percent of Days Active
1	Sacramento	Sacramento	SR51-N	2	North of A St.	1.47	70,548	295	1.4	95%
2	Sacramento	Sacramento	SR51-N	5.1	Glenrose Ave.	1.32	61,445	260	1.8	94%
3	Sacramento	Sacramento	SR51-N	3.478	Exposition Blvd.	2.28	58,457	377	1.3	62%
4	Sacramento	Sacramento	SR51-S	3.32	Exposition Blvd.	1.06	42,433	205	2.1	82%
5	Sacramento	Sacramento	US50-W	L1.351	15th St.	2.20	39,310	291	1.0	54%
6	Sacramento	Sacramento	US50-E	L1.567	16th St.	0.44	37,071	151	2.1	98%
7	Sacramento	Sacramento	SR51-N	1.5	30th & E St.	1.04	31,291	139	0.9	90%
8	Sacramento	Elk Grove	SR99-S	16.198	Consumnes River	1.04	30,623	167	2.6	73%
9	Sacramento	Sacramento	I80-E	M5	Northgate Blvd.	1.26	30,280	170	1.8	71%
10	Yolo	West Sacramento	I80-E	5.704	West of Webster Undercrossing	2.23	26,772	388	1.8	27%

Figure 14 (a). BOTTLENECKS AND CONGESTED SEGMENTS, AM PEAK PERIOD

FORTHCOMING

Figure 14 (b). BOTTLENECKS AND CONGESTED SEGMENTS, PM PEAK PERIOD
FORTHCOMING