

# District 05 Mobility Performance Report

2023 Second Quarter

**DEPARTMENT OF TRANSPORTATION**

July 25, 2023  
David Gallego

2023 Second Quarter

## EXECUTIVE SUMMARY

### Overview

Caltrans District 5 contains five counties located along the central coast of California: Santa Barbara, San Luis Obispo, Monterey, Santa Cruz and San Benito Counties. All counties are in urban settings within city limits and rural settings outside city limits. Santa Cruz and Santa Barbara are the top two most congested counties in the 1<sup>st</sup> quarter.

The Mobility Performance quarterly analysis compares information with over a year ago and over last quarter in the following performance measures:

- Vehicle Miles of Travel (VMT)
- Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- Detector Health

This information is based on data collected every day of the quarter, twenty–four hours a day, by automated vehicle detector stations deployed on urban-area freeways where congestion is regularly experienced. The MPR presents congestion information at two speed thresholds: delay from vehicles traveling below 35 miles per hour (mph), and delay from vehicles traveling below 60 mph. The delay at the 35 mph threshold represents severe congestion while delay at 60 mph represents all congestion, both light and heavy. These thresholds are set by Caltrans and are based upon engineering experience and District input.

## FINDINGS

In the second quarter, total delay equaled 533,400 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 1,114,800 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 7,196 VHD at 35 mph, and 14,615 VHD at 60 mph.

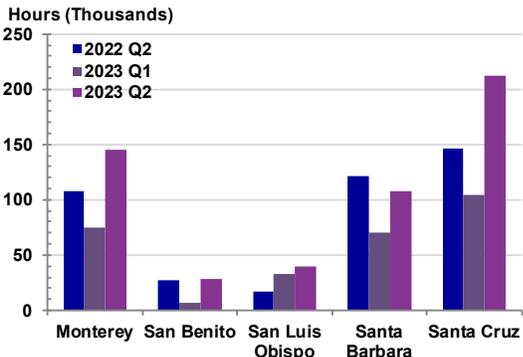
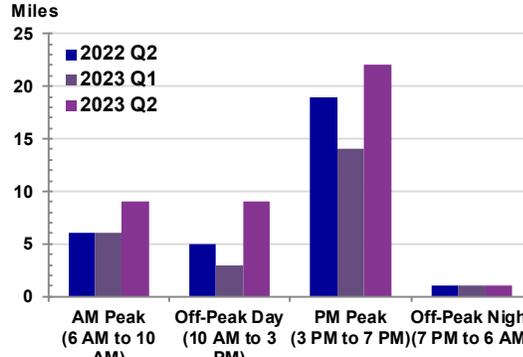
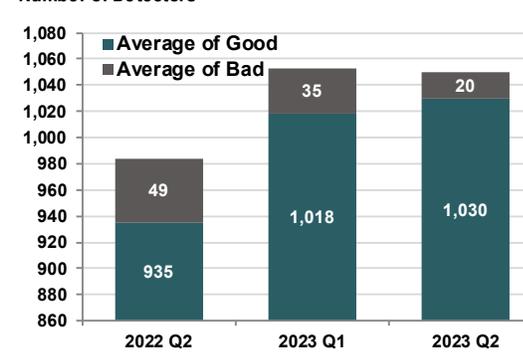
### Top Ten Bottlenecks for Quarter 2

County	Fwy	Location	Type	Shift	Abs PM	CA PM	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
SCR	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	ML	PM	364.577	13.279	64	2.41094	51,300.7	13,455
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	ML	PM	330.075	R79.54	64	3.15313	44,315.5	9,830
SCR	SR1-N	PARK AVE AT HWY 1 SB VDS MLNB NB	ML	AM	363.679	12.338	55	3.63455	30,894.7	6,355
SB	US101-S	OLIVE MILL RD 101 NB VDS MLSB SB	ML	PM	93.295	10.407	64	2.30625	25,334.7	6,885
SCR	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	ML	PM	361.617	10.319	62	2.67581	18,713.3	6,505
SLO	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	ML	PM	193.322	R19.797	56	2.10714	14,674.8	5,760
SCR	SR1-S	RIO DEL MAR BLVD AT HWY 1 NB VDS	ML	PM	360.312	9.0141	43	2.23721	12,669.7	4,415
MON	SR68-E	LAGUNA SECA MAIN ENTRANCE HWY 68	ML	PM	11.238	11.034	64	2.5	12,048.5	12,360
SB	US101-S	NORTH PADARO LANE 101 NB VDS MLS	ML	PM	90.199	7.303	34	3.43529	11,203.6	2,090
SBT	SR156-W	BUSINESS RTE 156 ON HWY 156 WB V	ML	AM	13.933	R7.564	59	2.66271	9,848.3	7,960

## Quarterly Mobility Statistics

Measure	Graph	Percentage Change									
Vehicle Miles of Travel (VMT)	<p>Miles (Billions)</p> <table border="1"> <tr><th>Year</th><th>Q2</th></tr> <tr><td>2022</td><td>0.97</td></tr> <tr><td>2023</td><td>0.95</td></tr> <tr><td>2023</td><td>1.02</td></tr> </table>	Year	Q2	2022	0.97	2023	0.95	2023	1.02	Over one year ago	Over last quarter
		Year	Q2								
		2022	0.97								
2023	0.95										
2023	1.02										
5.4%	7.4%										
		↑	↑								
Total Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Year</th><th>Q2</th></tr> <tr><td>2022</td><td>419.5</td></tr> <tr><td>2023</td><td>289.9</td></tr> <tr><td>2023</td><td>533.4</td></tr> </table>	Year	Q2	2022	419.5	2023	289.9	2023	533.4	Over one year ago	Over last quarter
		Year	Q2								
		2022	419.5								
2023	289.9										
2023	533.4										
27.1%	84%										
		↑	↑								
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours</p> <table border="1"> <tr><th>Year</th><th>Q2</th></tr> <tr><td>2022</td><td>5,039</td></tr> <tr><td>2023</td><td>3,990</td></tr> <tr><td>2023</td><td>7,196</td></tr> </table>	Year	Q2	2022	5,039	2023	3,990	2023	7,196	Over one year ago	Over last quarter
		Year	Q2								
		2022	5,039								
2023	3,990										
2023	7,196										
42.8%	80.3%										
		↑	↑								
Total Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Millions)</p> <table border="1"> <tr><th>Year</th><th>Q2</th></tr> <tr><td>2022</td><td>1</td></tr> <tr><td>2023</td><td>0.7</td></tr> <tr><td>2023</td><td>1.1</td></tr> </table>	Year	Q2	2022	1	2023	0.7	2023	1.1	Over one year ago	Over last quarter
		Year	Q2								
		2022	1								
2023	0.7										
2023	1.1										
10.7%	67.5%										
		↑	↑								
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Year</th><th>Q2</th></tr> <tr><td>2022</td><td>12</td></tr> <tr><td>2023</td><td>9</td></tr> <tr><td>2023</td><td>15</td></tr> </table>	Year	Q2	2022	12	2023	9	2023	15	Over one year ago	Over last quarter
		Year	Q2								
		2022	12								
2023	9										
2023	15										
24.2%	59.7%										
		↑	↑								

Measure	Graph	Percentage Change	
Average Vehicle Hours of Delay by Day of Week at 60 mph		Largest Magnitude Decrease over one year ago	Largest Magnitude Decrease over last quarter
		Sun/Hol -33.6% ↓	-
		Largest Magnitude Increase over one year ago	Largest Magnitude Increase over last quarter
Thursday 30.3% ↑	Thursday 73.8% ↑		
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Weekday Decrease over one year ago	Largest Magnitude Weekday Decrease over last quarter
		7 PM -12.9% ↓	5 AM -45.6% ↓
		Largest Magnitude Weekday Increase over one year ago	Largest Magnitude Weekday Increase over last quarter
4 PM 27.3% ↑	4 PM 67.2% ↑		
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Saturdays		Largest Magnitude Saturday Decrease over one year ago	Largest Magnitude Saturday Decrease over last quarter
		2 PM -24.8% ↓	9 PM -63.4% ↓
		Largest Magnitude Saturday Increase over one year ago	Largest Magnitude Saturday Increase over last quarter
7 PM 47.9% ↑	12 PM 104.6% ↑		
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Sundays/Holidays		Largest Magnitude Sun./Holiday Decrease over one year ago	Largest Magnitude Sun./Holiday Decrease over last quarter
		3 PM -41.5% ↓	9 PM -57.7% ↓
		Largest Magnitude Sun./Holiday Increase over one year ago	Largest Magnitude Sun./Holiday Increase over last quarter
10 AM 383.4% ↑	2 PM 103.7% ↑		

Measure	Graph	Percentage Change	
<p><b>Total Vehicle Hours of Delay (VHD) by County at 35 mph</b></p>		<p>Largest Magnitude Decrease over one year ago</p>	<p>Largest Magnitude Decrease over last quarter</p>
		<p>Santa Barbara -11% ↓</p>	<p>—</p>
		<p>Largest Magnitude Increase over one year ago</p>	<p>Largest Magnitude Increase over last quarter</p>
		<p>Santa Cruz 45.2% ↑</p>	<p>Santa Cruz 102.7% ↑</p>
<p><b>Average Non-Holiday Weekday Equivalent Lost Lane Mile Hours at 35 mph</b></p>		<p>Largest Magnitude Decrease over one year ago</p>	<p>Largest Magnitude Decrease over last quarter</p>
		<p>—</p>	<p>—</p>
		<p>Largest Magnitude Increase over one year ago</p>	<p>Largest Magnitude Increase over last quarter</p>
		<p>Off-Peak Day 82.2% ↑</p>	<p>PM Peak 63.4% ↑</p>
<p><b>Average Number of Good and Bad Detectors</b></p>		<p>Change in Good over one year ago</p>	<p>Change in Good over last quarter</p>
		<p>10% ↑</p>	<p>1% ↑</p>
		<p>Change in Bad over one year ago</p>	<p>Change in Bad over last quarter</p>
		<p>-58% ↓</p>	<p>-41% ↓</p>

Congestion by Route											
Route	County	Vehicle Hours of Delay at 35 mph			Difference 2023 Q2-2022 Q2		Difference 2023 Q2-2023 Q1		Rank		
		2022 Q2	2023 Q1	2023 Q2	Absolute	Percentage	Absolute	Percentage	2022 Q2	2023 Q1	2023 Q2
SR1	Santa Cruz	137,758	101,243	194,440	56,682	41.1%	93,197	92.1%	1	1	1
US101	Santa Barbara	121,375	70,731	108,011	-13,364	-11.0%	37,280	52.7%	2	2	2
SR1	Monterey	73,315	47,564	93,096	19,781	27.0%	45,532	95.7%	3	3	3
US101	San Luis Obispo	16,562	32,676	39,386	22,823	137.8%	6,710	20.5%	7	4	4
SR68	Monterey	18,175	16,991	30,862	12,687	69.8%	13,871	81.6%	5	5	5
SR156	San Benito	27,264	6,437	28,441	1,177	4.3%	22,004	341.8%	4	7	6
US101	Monterey	16,686	10,790	21,464	4,777	28.6%	10,674	98.9%	6	6	7
SR17	Santa Cruz	8,410	3,435	17,738	9,328	110.9%	14,303	416.4%	8	8	8
<b>TOTALS</b>		<b>419,545</b>	<b>289,867</b>	<b>533,437</b>	<b>113,892</b>	<b>27.1%</b>	<b>243,570</b>	<b>84.0%</b>			