

District 05 Mobility Performance Report

2024 Third Quarter

DEPARTMENT OF TRANSPORTATION

October 29, 2024

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District 05 Mobility Performance Report

2024 Third 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. Monterey and Santa Cruz were the top two most congested counties in the 3rd 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 third quarter, total delay equaled 723,000 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 1,493,400 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 8,959 VHD at 35 mph, and 18,193 VHD at 60 mph..

Top Ten Bottlenecks for Quarter 3

Rank	County	Fwy	Location	Shift	Absolute Postmile	Begin CA PM	Avg Extent (miles)	Total Delay (veh-hrs)	Total Duration (hours)	# of Active Days	Latitude	Longitude
1	Monterey	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	PM	330.075	R79.54	3.55	59,084.90	184.9	64	36.6119	-121.855
2	Santa Cruz	SR1-S	RIO DEL MAR BLVD AT HWY 1 NB VDS	PM	360.312	9.0141	4.96	46,793.20	111.9	46	36.9742	-121.884
3	Santa Barbara	US101-N	SHEFFIELD DR MLNB	AM	91.776	8.861	4.24	32,335.30	127.7	56	34.4217	-119.6116
4	Santa Cruz	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	PM	361.617	10.319	4.03	31,906.70	88.1	62	36.9762	-121.9071
5	Monterey	SR1-S	SOUTH OF FREMONT BLVD AT HWY 1 N	AM	330.929	R80.46	4.29	31,458.30	88.7	57	36.6225	-121.8454
6	Santa Cruz	SR1-N	41ST ST EXIT AT HWY 1 SB VDS MLN	AM	365.27	13.929	3.79	23,552.50	86.0	52	36.9832	-121.9699
7	Santa Barbara	US101-S	FAIRVIEW AVE 101 NB PM 105.039 V	PM	104.994	22.13	1.59	22,311.50	200.8	62	34.4401	-119.8256
8	Santa Cruz	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	PM	364.577	13.279	2.57	17,648.30	67.3	55	36.983	-121.9585
9	San Luis Obispo	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	PM	193.322	R19.797	2.10	16,421.00	112.3	63	35.1638	-120.6868
10	Santa Barbara	US101-S	SOUTH PADARO LANE VDS MLSB	PM	88.365	5.469	4.60	15,913.00	61.5	32	34.4126	-119.5555

Quarterly Mobility Statistics

Measure	Graph	Percentage Change							
Vehicle Miles of Travel (VMT)	<p>Miles (Billions)</p> <table border="1"> <tr><th>Year</th><th>Q3</th></tr> <tr><td>2023</td><td>1.07</td></tr> <tr><td>2024</td><td>1.08</td></tr> </table>	Year	Q3	2023	1.07	2024	1.08	Over one year ago	Over last quarter
		Year	Q3						
2023	1.07								
2024	1.08								
		1.5%	2.2%						
Total Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Year</th><th>Q3</th></tr> <tr><td>2023</td><td>574.8</td></tr> <tr><td>2024</td><td>723</td></tr> </table>	Year	Q3	2023	574.8	2024	723	Over one year ago	Over last quarter
		Year	Q3						
2023	574.8								
2024	723								
		25.8%	34.1%						
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours</p> <table border="1"> <tr><th>Year</th><th>Q3</th></tr> <tr><td>2023</td><td>7,415</td></tr> <tr><td>2024</td><td>8,959</td></tr> </table>	Year	Q3	2023	7,415	2024	8,959	Over one year ago	Over last quarter
		Year	Q3						
2023	7,415								
2024	8,959								
		20.8%	22.7%						
Total Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Millions)</p> <table border="1"> <tr><th>Year</th><th>Q3</th></tr> <tr><td>2023</td><td>1.2</td></tr> <tr><td>2024</td><td>1.5</td></tr> </table>	Year	Q3	2023	1.2	2024	1.5	Over one year ago	Over last quarter
		Year	Q3						
2023	1.2								
2024	1.5								
		20.9%	28.8%						
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Year</th><th>Q3</th></tr> <tr><td>2023</td><td>16</td></tr> <tr><td>2024</td><td>18</td></tr> </table>	Year	Q3	2023	16	2024	18	Over one year ago	Over last quarter
		Year	Q3						
2023	16								
2024	18								
		17.3%	19.7%						

Measure	Graph	Percentage Change	
Total Vehicle Hours of Delay (VHD) by County at 35 mph		Largest Magnitude Decrease over one year ago	Largest Magnitude Decrease over last quarter
		Largest Magnitude Increase over one year ago	Largest Magnitude Increase over last quarter
Average Non-Holiday Weekday Equivalent Lost Lane Mile Hours at 35 mph		Largest Magnitude Decrease over one year ago	Largest Magnitude Decrease over last quarter
		Largest Magnitude Increase over one year ago	Largest Magnitude Increase over last quarter
Average Number of Good and Bad Detectors		Change in Good over one year ago	Change in Good over last quarter
		Change in Bad over one year ago	Change in Bad over last quarter

Congestion by Route											
Route	County	Vehicle Hours of Delay at 35 mph			Difference 2024 Q2-2023 Q2		Difference 2024 Q2-2024 Q1		Rank		
		2023 Q2	2024 Q1	2024 Q2	Absolute	Percentage	Absolute	Percentage	2023 Q2	2024 Q1	2024 Q2
SR1	Santa Cruz	194,440	111,604	172,016	-22,424	-11.5%	60,412	54.1%	1	1	1
US101	Santa Barbara	108,011	54,597	130,637	22,626	20.9%	76,040	139.3%	2	3	2
SR1	Monterey	93,096	60,035	90,881	-2,216	-2.4%	30,845	51.4%	3	2	3
US101	San Luis Obis	39,386	14,425	36,882	-2,504	-6.4%	22,457	155.7%	4	6	4
SR156	San Benito	28,441	4,833	33,887	5,446	19.1%	29,053	601.1%	6	8	5
SR68	Monterey	30,862	22,869	32,549	1,687	5.5%	9,680	42.3%	5	4	6
SR17	Santa Cruz	17,738	14,723	24,582	6,844	38.6%	9,858	67.0%	8	5	7
US101	Monterey	21,464	11,721	17,358	-4,105	-19.1%	5,638	48.1%	7	7	8
SR46	San Luis Obis	0	232	519	519		287	123.6%		9	9
TOTALS		633,437	295,039	639,309	5,872	1.1%	244,270	82.8%			