

District 05 Mobility Performance Report

2024 Second Quarter

DEPARTMENT OF TRANSPORTATION

August 21, 2024
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District 05 Mobility Performance Report

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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 Monterey were the top two most congested counties in the 1st 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 539,300 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 1,159,700 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 7,301 VHD at 35 mph, and 15,196 VHD at 60 mph.

Top Ten Bottlenecks for Quarter 2

County	Fwy	Location	Type	Shift	Abs PM	CA PM	Latitude	Longitude	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	ML	PM	330.075	R79.54	36.611936	-121.855	63	3.18095	43,311.7	9,645
SCR	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	ML	PM	361.617	10.319	36.976222	-121.9071	63	4.2381	37,262.4	7,005
SCR	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	ML	PM	364.577	13.279	36.983018	-121.9585	62	2.66452	32,430.3	6,685
SB	US101-S	SOUTH PADARO LANE VDS MLSB	ML	PM	88.365	5.469	34.412563	-119.5555	43	4.10233	25,166.6	5,340
MON	SR1-S	SOUTH OF FREMONT BLVD AT HWY 1 N	ML	AM	330.929	R80.46	36.622494	-121.8454	57	3.79474	22,488.2	4,685
SCR	SR1-S	RIO DEL MAR BLVD AT HWY 1 NB VDS	ML	PM	360.312	9.0141	36.974214	-121.884	32	3.72813	17,152.0	3,240
SB	US101-S	HERMOSILLO RD 101 NB VDS MLSB SB	ML	PM	93.968	11.08	34.420929	-119.6492	60	1.545	15,517.6	5,100
SCR	SR1-N	41ST ST EXT AT HWY 1 SB VDS MLN	ML	AM	365.27	13.929	36.983207	-121.9699	50	3.262	13,865.8	4,005
SLO	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	ML	PM	193.322	R19.797	35.163842	-120.6868	56	2.00714	12,551.1	5,395
MON	SR68-E	LAGUNA SECA MAIN ENTRANCE HWY 68	ML	PM	11.238	11.034	36.570195	-121.7593	63	2.5	11,810.0	11,760

Quarterly Mobility Statistics

Measure	Graph	Percentage Change									
Vehicle Miles of Travel (VMT)	<p>Miles (Billions)</p> <table border="1"> <tr><th>Quarter</th><th>VMT (Billions)</th></tr> <tr><td>2023 Q2</td><td>1.02</td></tr> <tr><td>2024 Q1</td><td>0.96</td></tr> <tr><td>2024 Q2</td><td>1.06</td></tr> </table>	Quarter	VMT (Billions)	2023 Q2	1.02	2024 Q1	0.96	2024 Q2	1.06	Over one year ago	Over last quarter
		Quarter	VMT (Billions)								
2023 Q2	1.02										
2024 Q1	0.96										
2024 Q2	1.06										
		3.5%	10.8%								
Total Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Quarter</th><th>VHD (Thousands)</th></tr> <tr><td>2023 Q2</td><td>533.4</td></tr> <tr><td>2024 Q1</td><td>295</td></tr> <tr><td>2024 Q2</td><td>539.3</td></tr> </table>	Quarter	VHD (Thousands)	2023 Q2	533.4	2024 Q1	295	2024 Q2	539.3	Over one year ago	Over last quarter
		Quarter	VHD (Thousands)								
2023 Q2	533.4										
2024 Q1	295										
2024 Q2	539.3										
		1.1%	82.8%								
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours</p> <table border="1"> <tr><th>Quarter</th><th>VHD (Hours)</th></tr> <tr><td>2023 Q2</td><td>7,196</td></tr> <tr><td>2024 Q1</td><td>4,458</td></tr> <tr><td>2024 Q2</td><td>7,301</td></tr> </table>	Quarter	VHD (Hours)	2023 Q2	7,196	2024 Q1	4,458	2024 Q2	7,301	Over one year ago	Over last quarter
		Quarter	VHD (Hours)								
2023 Q2	7,196										
2024 Q1	4,458										
2024 Q2	7,301										
		1.5%	63.8%								
Total Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Millions)</p> <table border="1"> <tr><th>Quarter</th><th>VHD (Millions)</th></tr> <tr><td>2023 Q2</td><td>1.1</td></tr> <tr><td>2024 Q1</td><td>0.7</td></tr> <tr><td>2024 Q2</td><td>1.2</td></tr> </table>	Quarter	VHD (Millions)	2023 Q2	1.1	2024 Q1	0.7	2024 Q2	1.2	Over one year ago	Over last quarter
		Quarter	VHD (Millions)								
2023 Q2	1.1										
2024 Q1	0.7										
2024 Q2	1.2										
		4%	63%								
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Thousands)</p> <table border="1"> <tr><th>Quarter</th><th>VHD (Thousands)</th></tr> <tr><td>2023 Q2</td><td>15</td></tr> <tr><td>2024 Q1</td><td>10</td></tr> <tr><td>2024 Q2</td><td>15</td></tr> </table>	Quarter	VHD (Thousands)	2023 Q2	15	2024 Q1	10	2024 Q2	15	Over one year ago	Over last quarter
		Quarter	VHD (Thousands)								
2023 Q2	15										
2024 Q1	10										
2024 Q2	15										
		4%	47%								

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
		Thursday -2.5% ↓	-
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Increase over one year ago	Largest Magnitude Increase over last quarter
		Wednesday 7.9% ↑	Friday 58.1% ↑
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Saturdays		Largest Magnitude Weekday Decrease over one year ago	Largest Magnitude Weekday Decrease over last quarter
		9 AM -28.2% ↓	-
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Sundays/Holidays		Largest Magnitude Weekday Increase over one year ago	Largest Magnitude Weekday Increase over last quarter
		7 AM 16.8% ↑	4 PM 56.8% ↑
Average Vehicle Hours of Delay by Day of Week at 60 mph		Largest Magnitude Saturday Decrease over one year ago	Largest Magnitude Saturday Decrease over last quarter
		7 PM -25.5% ↓	4 AM -96% ↓
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Saturday Increase over one year ago	Largest Magnitude Saturday Increase over last quarter
		3 PM 25.4% ↑	2 PM 384.5% ↑
Average Vehicle Hours of Delay by Day of Week at 60 mph		Largest Magnitude Sun./Holiday Decrease over one year ago	Largest Magnitude Sun./Holiday Decrease over last quarter
		5 PM -14.4% ↓	2 AM -100% ↓
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Sun./Holiday Increase over one year ago	Largest Magnitude Sun./Holiday Increase over last quarter
		7 PM 129.4% ↑	1 PM 603.9% ↑

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
		Santa Cruz -7.3%	
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
		Off-Peak Day -16%	
Average Number of Good and Bad Detectors		Change in Good over one year ago	Change in Good over last quarter
		0%	0%
		Change in Bad over one year ago	Change in Bad over last quarter
		20%	-2%

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%			