

2023 First 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 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

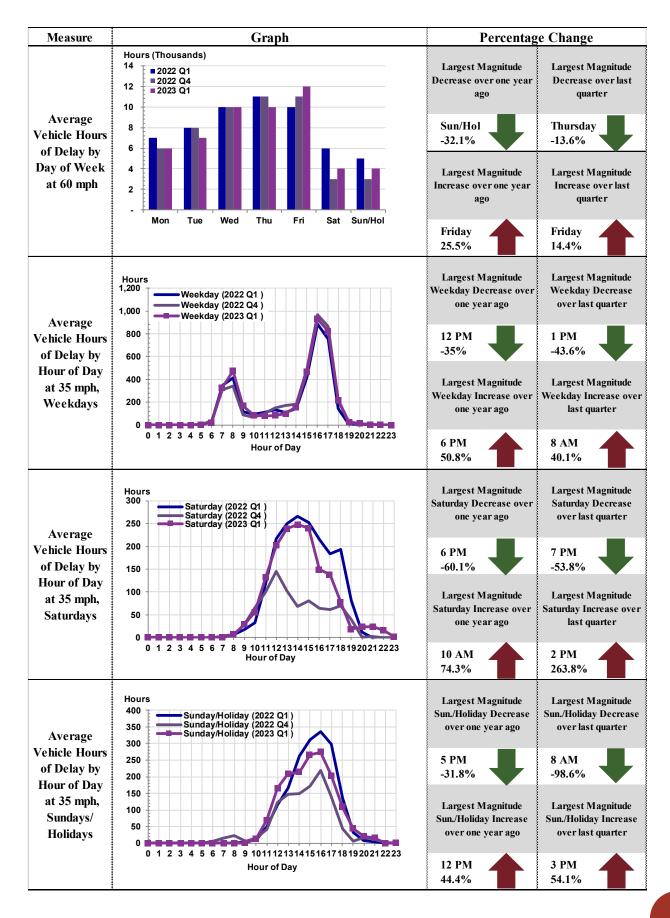
In the first quarter, total delay equaled 289,900 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 665,700 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 3,990 VHD at 35 mph, and 9,151 VHD at 60 mph.

Top Ten Bottlenecks for Quarter 1

County	Fwy	Location	Туре	Shift	Abs PM		# Days Active		Delay (veh-hrs)	Total Duration (mins)
SCR	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	ML	PM	364.577	13.279	57	2.25263	34967.5	10520
SCR	SR1-N	PARK AVE AT HWY 1 SB VDS MLNB NB	ML	AM	363.679	12.338	42	4.16429	24725.7	4530
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	ML	PM	330.075	R79.54	50	2.686	21606.8	5970
SCR	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	ML	PM	361.617	10.319	49	2.4449	17265.6	5910
SB	US101-S	SAN YSIDRO RD 101 NB VDS MLSB SB	ML	PM	92.928	10.04	40	2.71	12107.4	2950
MON	SR1-S	SOUTH OF FREMONT BLVD AT HWY 1 N	ML	AM	330.929	R80.46	47	3.01915	11872.3	3040
SB	US101-S	HWY 150 AT 101 NB VDS MLSB SB	ML	PM	83.993	0.9570000000000008	14	1.65714	9512.4	2075
SLO	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	ML	PM	193.322	R19.797	47	2.18936	8708.6	3915
MON	SR68-E	LAGUNA SECA MAIN ENTRANCE HWY 68	ML	PM	11.238	11.034	60	2.5	8335.6	10150
SLO	US101-S	SHELL BEACH RD 101 NB VDS MLSB S	ML	PM	191.451	17.916	31	3.14839	7784.7	2370

Quarterly Mobility Statistics

Measure	Graph	Percentage Change		
Vehicle Miles of Travel (VMT)	Miles (Millions) 1200 2022 Q1 972.32 952.98	Over one year ago Over last quarter 7% -2% \tilde\tau		
Total Vehicle	Hours (Thousands) 350 2022 Q1 2022 Q4 2023 Q1 300 278 276.5 289.9	Over one year ago Over last quarter		
Hours of Delay (VHD) at 35 mph	200 150 100 50	4.3% 4.8%		
Average Non- Holiday Weekday	Hours 5,000 2022 Q1	Over one year ago		
Vehicle Hours of Delay (VHD) at 35 mph	3,000 2,000 1,000	7.5% -0.8%		
Total Vehicle	Hours (Thousands) 800	Over one year ago Over last quarter		
Hours of Delay (VHD) at 60 mph	500 400 300 200 100 0	-5.9% -0.6%		
Average Non- Holiday Weekday	Hours 2022 Q1 2022 Q4 2023 Q1 10,000 9,047 9,387 9,151	Over one year ago Over last quarter		
Vehicle Hours of Delay (VHD) at 60 mph	6,000 4,000 2,000 0	1.2% -2.5%		





Congestion by Route

Absolute

4,749

-3,222

-3,786

22,670

-563

-3,226

-4,736

11,917

31

Difference

2023 Q1-2022 Q1

Percentage

4.9%

-4.4%

-7.4%

226.6%

-3.2%

0.3%

-33.4%

-58.0%

4.3%

Difference

2023 Q1-2022 Q4

-9.1%

7.9%

7.0%

-25.9%

-37.5%

-18.1%

4.8%

125.9%

Absolute

5,984

-7,082

3,477

18,210

1,117

-3,773

-3,858

13,318

-757

Rank

2

3

6

4

7

8

4

5

6

7

8

Percentage 2022 Q1 2022 Q4 2023 Q1

2

3

6

4

5

7

8

Vehicle Hours of Delay

2022 Q1

96,493

73,953

51,350

10,006

17,554

10,759

9,663

8,171

277,950

Route

US101

US101

SR68

US101

SR156

SR17

SR1

SR1

County

Santa Cruz

Santa Barbara

Monterey

San Luis Obispo

Monterey

Monterey

San Benito

Santa Cruz

TOTALS

at 35 mph

2022 Q4

77,813

44,087

14,466

15,874

14,563

10,295

4,192

276,549

2023 Q1

101,243

70,731

47,564

32,676

16,991

10,790

6,437

3,435

289,867

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