

### 2021 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 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))
- o Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- o 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**

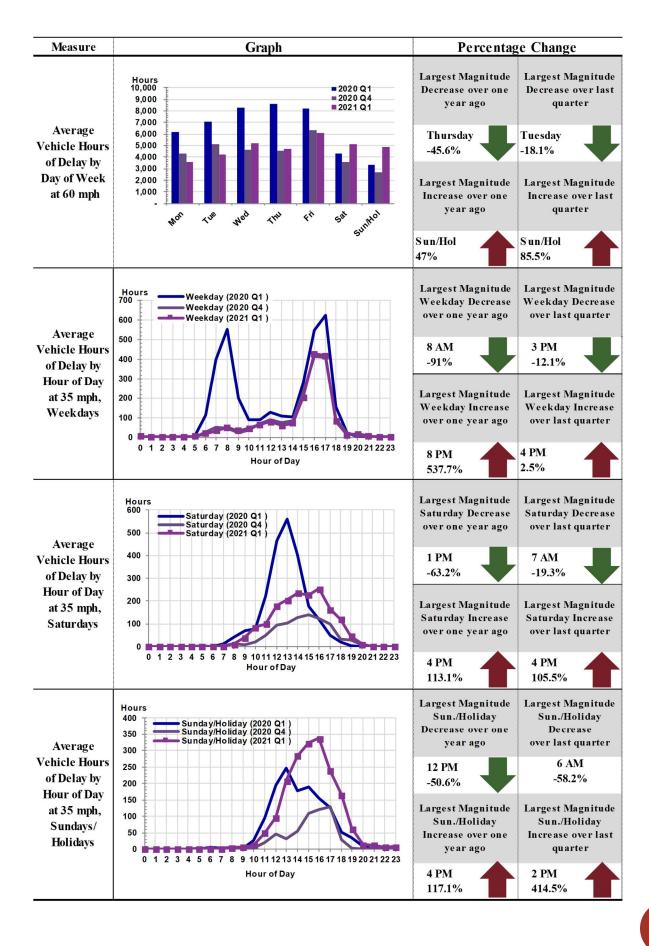
In the first quarter, total delay equaled 151,700 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 436,700 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 1,641 VHD at 35 mph, and 4,782 VHD at 60 mph.

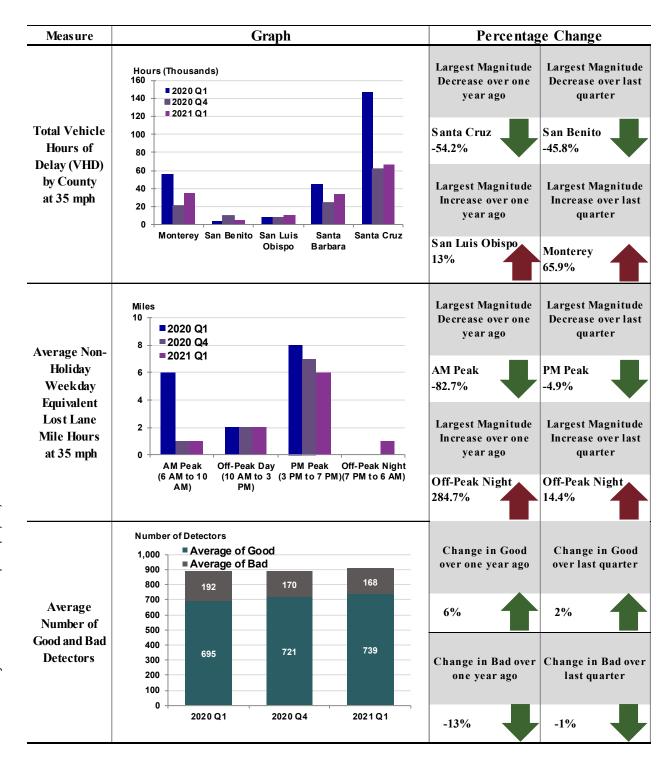
# Top Ten Bottlenecks for Quarter 1

County	Fwy	Location	Туре	Shift	Abs PM	CA PM	Latitude	Longitude	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
SCR	SR1-S	PARK AVE AT HWY 1 NB VDS MLSB SB	ML	PM	363.178	11.88	36.983854	-121.933254	53	2.11132	5691.7	4020
SCR	SR1-S	SOQUEL DR NEXT EXIT SIGN HWY 1 N	ML	PM	365.708	14.41	36.985023	-121.978295	50	1.5	4578.3	3865
SCR	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	ML	PM	364.577	13.279	36.983018	-121.95851	56	0.79464	4372.3	5115
SCR	SR1-S	PARK AVE NEXT EXIT SIGN HWY 1 NB	ML	PM	362.747	11.449	36.982938	-121.92552	36	3.38333	4090.6	1945
SB	US101-S	CABRILLO BLVD SB 101 PM 94.57 VD	ML	PM	94.55	11.662	34.422964	-119.658994	61	0.3	3848.2	13360
SB	US101-S	SANTA CLAUS LANE 101 SB VDS MLSB	ML	PM	87.528	4.63200	34.405913	-119.543612	38	0.8	3373.3	6035
SCR	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	ML	PM	361.617	10.319	36.976222	-121.907143	13	3.26923	2952.3	1315
SLO	US101-S	MATTIE RD 101 NB VDS MLSB SB	ML	PM	191.796	18.261	35.154187	-120.66268	8	3.6	2009.2	690
SB	US101-S	EVANS AVE 101 NB VDS MLSB SB	ML	PM	90.958	8.062	34.420459	-119.598167	29	0.8	1798.8	2650
MON	SR1-N	CARPENTER RD HWY 1 NB VDS MLNB N	ML	PM	324.954	74.419	36.56444	-121.911973	45	1.2	1766.9	4275

# **Quarterly Mobility Statistics**

Measure	Graph	Percentag	e Change
Vehicle Miles of Travel (VMT)	Miles (Millions)  1000	Over one year ago	Over last quarter
Total Vehicle Hours of Delay (VHD) at 35 mph	Hours (Thousands)  2020 Q1 260.2  200 2020 Q4 125.6 2021 Q1 151.7	Over one year ago	Over last quarter 20.8%
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph	Hours 5,000 4,000 3,000 2,000 1,000 0	Over one year ago	Over last quarter
Total Vehicle Hours of Delay (VHD) at 60 mph	Hours (Thousands)  2020 Q1  587.7  2020 Q4  396.8  2021 Q1  436.7	Over one year ago	Over last quarter
Average Non- Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph	Hours 10,000 2020 Q1 7719 6,000 4,000 2,000 0	Over one year ago	Over last quarter





Congestion by Route

Difference

2021 Q1-2020 Q1

-74,823

-10,980

-12,033

-4,471

1,174

-471

1,136

-8,046

-108,514

2020 Q1 2020 Q4 2021 Q1 Absolute Percentage Absolute Percentage 2020 Q1 2020 Q4 2021 Q1

-57.8%

-24.7%

-32.6%

-26.3%

13.0%

-7.5%

25.9%

-62.8%

-41.7%

Difference

2021 Q1-2020 Q4

-2.6%

38.3%

110.2%

128.5%

22.5%

2.3%

-45.8%

23.9%

20.8%

-1,469

9,270

13,015

7,049

1,873

128

-4,659

26,125

919

Rank

2

3

7

5

6

4

8

2

3

4

5

6

7

8

2

3

4

6

8

Vehicle Hours of Delay

at 35 mph

56,040

24,224

11,811

5,487

8,312

5,670

10,180

3,842

54,571

33,493

24,825

12,535

10,185

5,799

5,520

4,761

151,690

129,394

44,473

36,858

17,006

9,011

6,270

4,385

12,808

260,204 125,565

Route

US101

SR1

SR1

SR17

US101

US101

SR156

SR68

County

Santa Cruz

Santa Barbara

Monterey

Santa Cruz

San Luis Obispo

Monterey

San Benito

Monterey

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