

2018 Second Quarter

**DEPARTMENT OF TRANSPORTATION** 

September 7, 2018 : Sam Toh

### 2018 Second Quarter

## **EXECUTIVE SUMMARY**

#### Overview

Caltrans District 5 contains five counties located in central coast California: Santa Barbara, San Luis Obispo, Monterey, Santa Cruz and San Benito Counties. Detection were implemented along SR25 on Bolsa Rd (PM 59.5) and SR156 from San Juan Bautista to Hollister (PM 1.71-R12.024) respectively. Therefore, there are no comparable data for 2017 for San Benito County. All of the counties are in an urban setting within the cities limit and rural outside city limit. Santa Cruz and Monterey are the top two most congested counties in the 2<sup>nd</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

Mobility Performance Report | 9/7/2018

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**

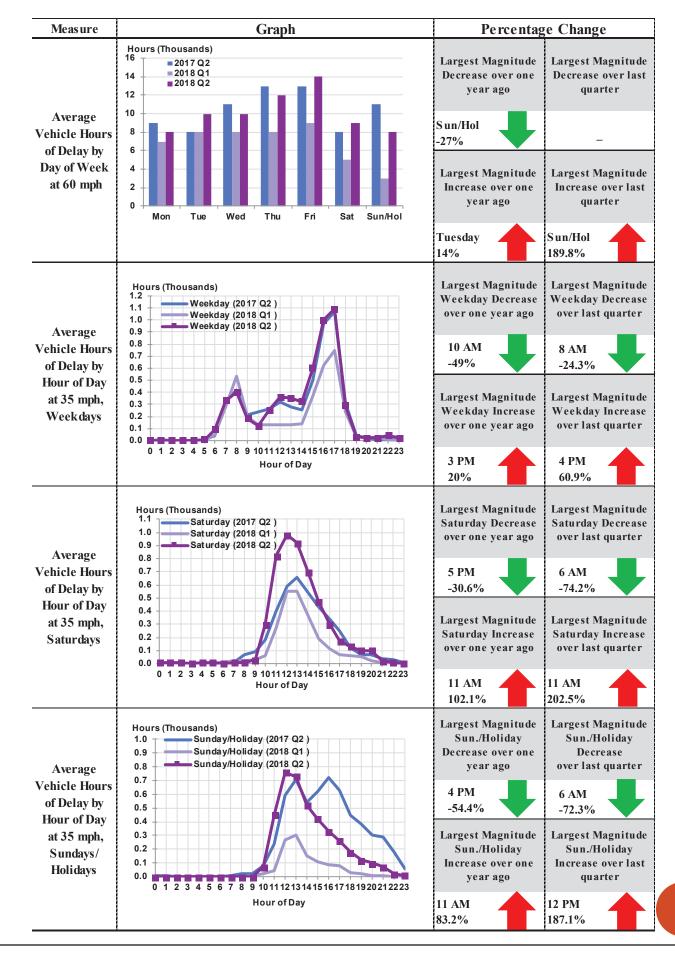
In the second quarter, total delay equaled 476,700 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 919,000 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 5,524 VHD at 35 mph, and 11,000 VHD at 60 mph.

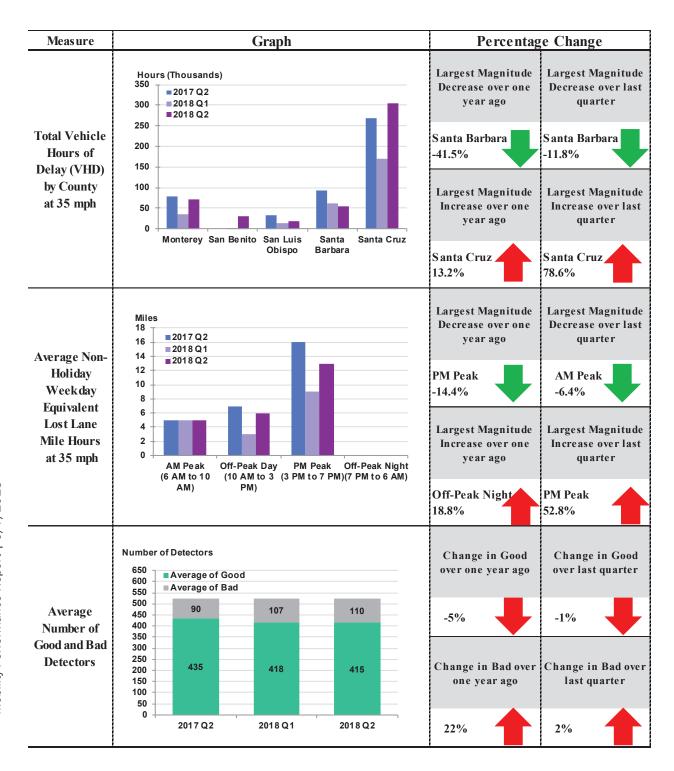
Top Ten Bottlenecks for Quarter 2

County	VDS	Fwy	Location	Shift	Abs PM	CA PM	Latitude	Longitude	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
SCR	500013151	SR1-S	STATE PARK DR AT HWY 1 SB VDS ML	PM	362.07	10.772	36.979813	-121.914036	56	5.22321	41498.8	7670
SCR	500014022	SR1-S	PARK AVE AT HWY 1 NB VDS MLSB SB	PM	363.178	11.88	36.983854	-121.933254	63	3.11905	16654.2	5250
MON	500010101	SR1-N	SOUTH OF HWY 68 EAST AT HWY 1 NB	PM	328.558	78.023	36.594593	-121.869761	57	2.05439	13271.8	6240
SCR	500014072	SR1-N	41ST ST EXIT AT HWY 1 SB VDS MLN	AM	365.27	13.929	36.983207	-121.969927	53	4.03962	11757.3	4505
SCR	405575	SR1-S	NB1 to NB 17 conn	PM	368.018	16.72	36.989141	-122.019205	43	8.53256	8475.5	3480
MON	500010142	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	PM	330.075	79.54	36.611936	-121.85503	62	1.2	6844.6	8425 <b>x</b>
SLO	501016071	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	PM	193.322	19.797	35.163842	-120.686844	46	2.14565	4964.2	3690
SCR	500014082	SR1-S	SOQUEL DR NEXT EXIT SIGN HWY 1 N	PM	365.708	14.41	36.985023	-121.978295	49	1.66122	4454	2955
SB	501010062	US101-S	SANTA MONICA RD 101 NB VDS MLSB	PM	86.792	3.896	34.404094	-119.53097	42	2.2	4387.4	4550
SCR	500014052	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	PM	364.577	13.279	36.983018	-121.95851	56	1.85536	3609.8	2135

# **Quarterly Mobility Statistics**

Measure	Graph	Percentage Change					
Vehicle Miles of Travel	Miles (Millions) 1200 1000 2017 Q2 854.4 2018 Q1 800 756.1	Over one year ago	Over last quarter 9%				
(VMI)	600 400 200 0	₽					
Total Vehicle	Hours (Thousands)  600 2017 Q2 2018 Q2 472.4 476.7	Over one year ago	Over last quarter				
Hours of Delay (VHD) at 35 mph	400 - 2018 Q1 283.7 200 - 100 - 0	0.9%	68.1%				
Average Non- Holiday Weekday	Hours 2017 Q2 2018 Q2 5524 5,000 2018 Q1 3793	Over one year ago	Over last quarter				
Vehicle Hours of Delay (VHD) at 35 mph	3,000 2,000 1,000 0	4.1%	45.6%				
Total Vehicle	Hours (Thousands) 1,200 2017 Q2 2018 Q2 1,000 974.1 919	Over one year ago	Over last quarter				
Hours of Delay (VHD) at 60 mph	2018 Q1 599.6	-5.7%	53.3%				
Average Non- Holiday	Hours (Thousands)  14	Over one year ago	Over last quarter				
Week day Vehicle Hours of Delay (VHD) at 60 mph	10 2018 Q1 8 8 7 6 6 5 4 4 3 3 2 1 0 0	-3.3%	33.7%				





	Congestion by Route										
		Vehicle Hours of Delay at 35 mph				erence 2-2017 Q2		erence 2-2018 Q1	Rank		
Route	County	2017 Q2	2018 Q1	2018 Q2	Absolute	Percentage	Absolute	Percentage	2017 Q2	2018 Q1	2018 Q2
SR1	Santa Cruz	210,840	161,009	274,310	63,471	30.1%	113,301	70.4%	1	1	1
SR1	Monterey	64,783	32,822	65,372	589	0.9%	32,550	99.2%	3	3	2
US101	Santa Barbara	91,929	60,947	53,740	-38,189	-41.5%	-7,207	-11.8%	2	2	3
SR17	Santa Cruz	57,816	9,274	29,734	-28,082	-48.6%	20,460	220.6%	4	5	4
SR156	San Benito	0	2,519	28,693	28,693		26,173	1039.0%		7	5
US101	San Luis Obispo	32,822	13,561	18,571	-14,251	-43.4%	5,010	36.9%	5	4	6
US101	Monterey	14,204	3,181	5,006	-9,198	-64.8%	1,825	57.4%	6	6	7
SR25	San Benito	0	359	1,288	1,288		929	258.4%		8	8
TOTALS		472,392	283,672	476,713	4,320	0.9%	193,041	68.1%			

Aggregation of new detection data for San Benito County started in quarter 1, 2018. Detection were implemented along SR25 on Bolsa Rd (PM 59.5) and SR156 from San Juan Bautista to Hollister (PM 1.71-R12.024) respectively. Therefore, there are no comparable data for 2017 Q2 for this two Routes.