

2018 Third Quarter

**DEPARTMENT OF TRANSPORTATION** 

October 15, 2018 : Sam Toh

### 2018 Third 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 3<sup>rd</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**

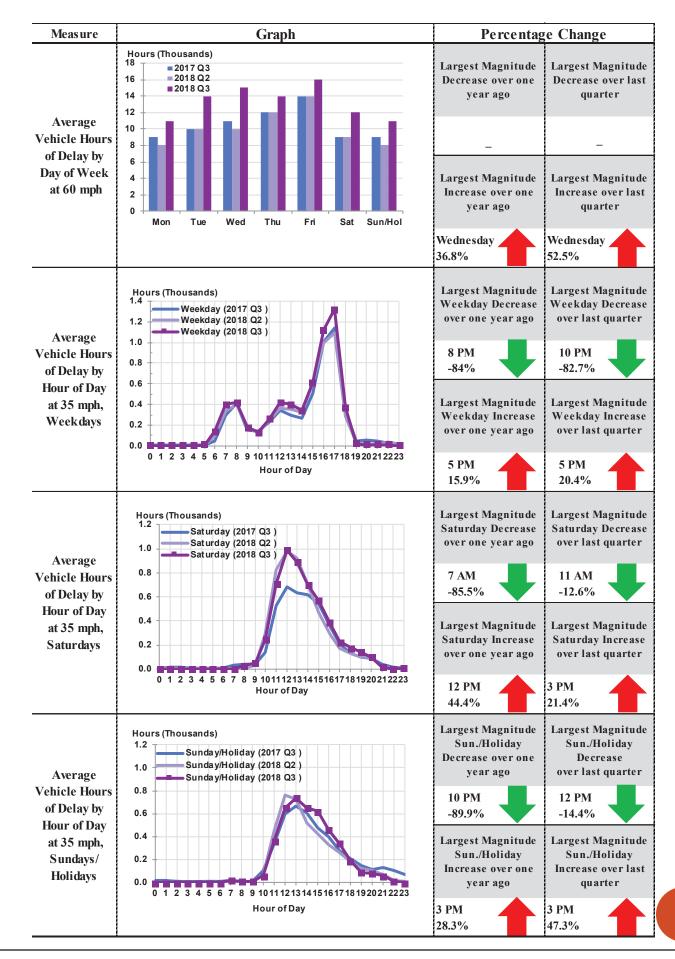
In the third quarter, total delay equaled 526,800 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 1,200,000 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 6,200 VHD at 35 mph, and 14,000 VHD at 60 mph.

Top Ten Bottlenecks for Quarter 3

						# Avg		Total	Total
						Days	Extent	Delay	Duration
County	Fwy	Location	Shift	Abs PM	CA PM	Active	(Miles)	(veh-hrs)	(mins)
SCR	SR1-S	STATE PARK DR AT HWY 1 SB VDS ML	PM	362.07	10.772	58	4.56552	45439.9	9860
MON	SR1-N	SOUTH OF HWY 68 EAST AT HWY 1 NB	PM	328.558	78.023	61	2.18689	21931.7	8040
SCR	SR1-N	41ST ST EXIT AT HWY 1 SB VDS MLN	AM	365.27	13.929	52	4.175	10741.7	4020
SCR	SR1-S	PARK AVE AT HWY 1 NB VDS MLSB SB	PM	363.178	11.88	58	2.75	10473.4	3375
SLO	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	PM	193.322	19.797	59	2.76949	10277.4	5450
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	PM	330.075	79.54	63	1.19206	8383.5	9535
SB	US101-S	SANTA MONICA RD 101 NB VDS MLSB	PM	86.792	3.896	49	2.2	6906.7	7060
SCR	SR1-S	SOQUEL DR NEXT EXIT SIGN HWY 1 N	PM	365.708	14.41	58	1.48103	6341.7	4840
SCR	SR1-S	NB1 to NB 17 conn	PM	368.018	16.72	34	7.90882	4826.4	1795
SCR	SR1-N	RIO DEL MAR BLVD AT HWY 1 SB VDS	AM	360.894	9.553	39	2.98974	3186.3	1900

# **Quarterly Mobility Statistics**

Measure	Graph	Percentage Change
Vehicle Miles	Miles (Millions) 1200 2017 Q3 2018 Q2 2018 Q3 848.9 824.4 846.2	Over one year ago Over last quarter
of Travel (VMT)	800 600 400 200	-0.3% 2.6%
Total Vehicle	Hours (Thousands)  600 2017 Q3 2018 Q2 526.8  500 467.5 476.7	Over one year ago Over last quarter
Hours of Delay (VHD) at 35 mph	400 300 200 100	12.7% 10.5%
Average Non- Holiday Weekday Vehicle Hours of Delay (VHD)	Hours 7,000 2017 Q3 5424  5,000 4,000 3,000 2,000	Over one year ago  Over last quarter  13.7%  11.6%
at 35 mph  Total Vehicle	1,000 0 Hours (Millions) 1.4 1.2 2017 Q3 2018 Q3 1.2	Over one year ago Over last quarter
Hours of Delay (VHD) at 60 mph	1.0	23.9% 30.8%
Average Non- Holiday Weekday	Hours (Thousands)  16 14 2017 Q3 2018 Q3 14 12 11 11	Over one year ago Over last quarter
Vehicle Hours of Delay (VHD) at 60 mph	10 8 6 4 2 0	24.7% 30.3%





	Congestion by Route										
		Vehicle Hours of Delay at 35 mph			Difference 2018 Q3-2017 Q3		Difference 2018 Q3-2018 Q2		Rank		
Route	County	2017 Q3	2018 Q2	2018 Q3	Absolute	Percentage	Absolute	Percentage	2017 Q3	2018 Q2	2018 Q3
SR1	Santa Cruz	229,236	274,310	276,462	47,227	20.6%	2,152	0.8%	1	1	1
SR1	Monterey	84,182	65,372	89,008	4,826	5.7%	23,636	36.2%	2	2	2
US101	Santa Barbara	82,588	53,740	47,529	-35,058	-42.4%	-6,210	-11.6%	3	3	3
SR156	San Benito	0	28,693	42,850	42,850		14,158	49.3%		5	4
US101	San Luis Obispo	37,511	18,571	38,948	1,437	3.8%	20,378	109.7%	4	6	5
SR17	Santa Cruz	24,968	29,734	27,162	2,194	8.8%	-2,572	-8.7%	5	4	6
US101	Monterey	9,022	5,006	3,677	-5,346	-59.3%	-1,329	-26.6%	6	7	7
SR25	San Benito	0	1,288	1,148	1,148		-141	-10.9%		8	8
TOTALS		467,506	476,713	526,784	59,278	12.7%	50,072	10.5%			

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 Q3 for this two Routes.