District 05 Mobility Performance Report

2019 Third Quarter

DEPARTMENT OF TRANSPORTATION

November 22, 2019 : Nicholas Zangl

District 05 Mobility Performance Report

2019 Third 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 Monterey are the top two most congested counties in the 3rd 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)
- 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.

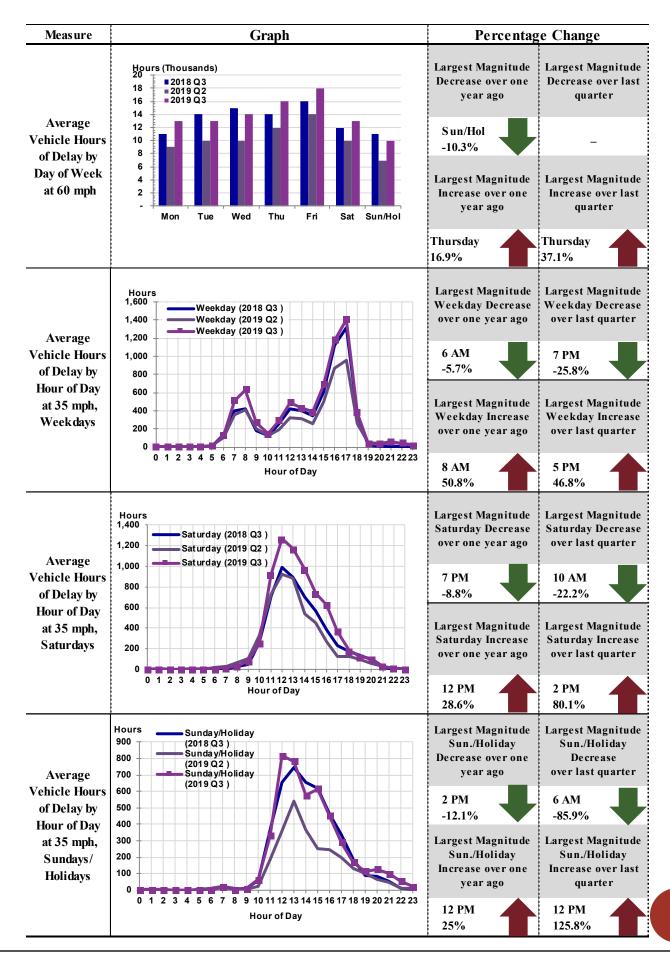
FINDINGS

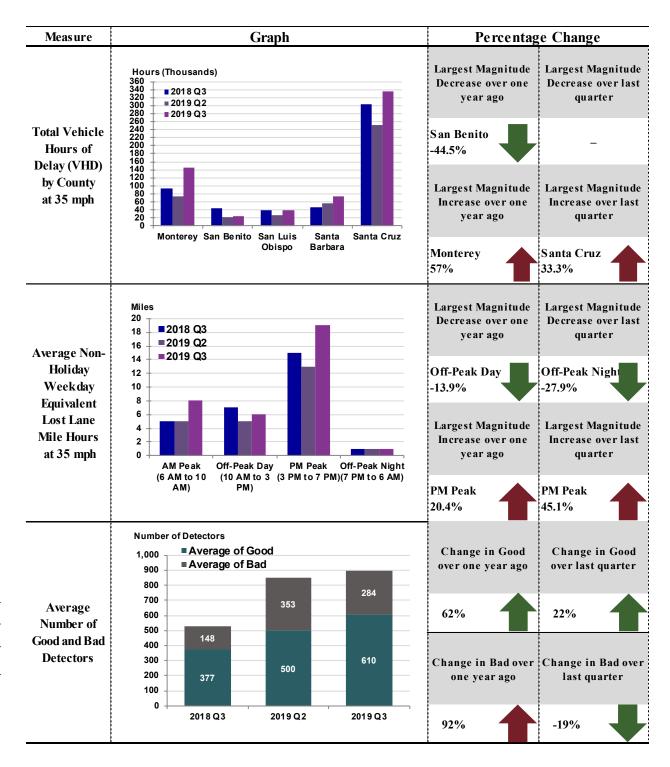
In the third quarter, total delay equaled 617,300 thousand vehicle hours of delay (VHD) at the 35mph speed threshold, and 1,261,400 million VHD at the 60mph threshold. The average weekday delay experienced in this quarter was approximately 7,200 thousand VHD at 35 mph, and 15,000 thousand VHD at 60 mph.

Top Ten Bottlenecks for Quarter 3

County	Fwy	Location	Shift	Abs PM	CA PM	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	PM	330.075	79.54	63	3.02698	26868.3	9420
SCR	SR1-S	BAY AVE - PORTER ST AT HWY 1 SB	PM	364.577	13.279	64	1.35938	26077.8	14665
SLO	US101-S	MATTIE RD 101 NB VDS MLSB SB	PM	191.796	18.261	50	4.134	19531.3	5765
SCR	SR1-S	STATE PARK DR AT HWY 1 SB VDS ML	PM	362.07	10.772	64	2.1	16361.5	10800
SCR	SR1-N	PARK AVE AT HWY 1 SB VDS MLNB NB	AM	363.679	12.338	52	3.53269	15635.6	5875
SCR	SR1-N	BAY AVE - PORTER ST AT HWY 1 NB	PM	364.373	13.032	64	0.5	9633.3	14830
SCR	SR1-S	SOQUEL DR NEXT EXIT SIGN HWY 1 N	PM	365.708	14.41	62	1.05161	8556	6685
MON	SR1-S	STRUVE RD HWY 1 SB VDS MLSB SB	PM	347.255	98.193	60	2.39	6613.8	8625
SB	US101-N	CASSITAS PASS RD 101 NB VDS MLNB	AM	85.408	2.485	20	2.34	6271.1	2435
SCR	SR1-S	700' N of 001 NB Overcrossing	PM	368.508	17.21	20	6.7	5660.3	855

Quarterly Mobility Statistics Measure Graph Percentage Change Miles (Millions) 2019 Q3 985.9 2019 Q2 951 Over one year ago Over last quarter 2018 Q3 882 1000 **Vehicle Miles** 800 of Travel 11.8% 3.7% 600 (VMT) 400 200 0 Hours (Thousands) 2019 Q3 617.3 700 Over one year ago Over last quarter 2018 Q3 600 526.8 2019 Q2 428.5 **Total Vehicle** 500 Hours of 400 17.2% 44.1% Delay (VHD) 300 at 35 mph 200 100 0 Hours 2019 Q3 Average Non-Over one year ago Over last quarter 8,000 7171 2018 Q3 Holiday 7,000 6167 2019 Q2 6,000 Weekday 5148 5,000 16.3% 39.3% **Vehicle Hours** 4,000 of Delay 3,000 (VHD) 2,000 at 35 mph 1,000 0 Hours (Millions) 2019 Q3 2018 Q3 1.3 Over one year ago Over last quarter 1 2019 Q2 **Total Vehicle** 1 0.9 Hours of 1 5% 35.4% Delay (VHD) 1 at 60 mph 0 0 0 Hours (Thousands) 2019 Q3 15 Average Non-2018 Q3 Over one year ago Over last quarter 16 Holiday 14 2019 Q2 12 Weekday 10 **Vehicle Hours** 5.6% 31.8% 8 of Delay 6 (VHD) 4 at 60 mph 2 0





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Congestion by Route											
		Vehicle Hours of De at 35 mph		•	Delay Difference 2019 Q3-2018 Q3		Difference 2019 Q3-2019 Q2		Rank		
Route	County	2018 Q3	2019 Q2	2019 Q3	Absolute	Percentage	Absolute	Percentage	2018 Q3	2019 Q2	2019 Q3
SR1	Santa Cruz	276,462	223,870	297,377	20,914	7.6%	73,506	32.8%	1	1	1
SR1	Monterey	89,008	54,498	104,495	15,487	17.4%	49,997	91.7%	2	3	2
US101	Santa Barbara	47,529	55,344	73,376	25,847	54.4%	18,032	32.6%	3	2	3
US101	San Luis Obispo	38,948	27,326	39,693	745	1.9%	12,367	45.3%	5	4	4
SR17	Santa Cruz	27,162	27,144	36,937	9,775	36.0%	9,792	36.1%	6	5	5
SR156	San Benito	42,850	13,707	24,050	-18,800	-43.9%	10,343	75.5%	4	6	6
SR68	Monterey	0	7,683	22,440	22,440		14,756	192.1%		9	7
US101	Monterey	3,677	10,375	18,563	14,886	404.9%	8,188	78.9%	7	7	8
SR25	San Benito	1,148	9,332	377	-771	-67.2%	-8,955	-96.0%	8	8	9
TOTALS		526,784	429,280	617,307	90,523	17.2%	188,027	43.8%			