

2022 First Quarter

DEPARTMENT OF TRANSPORTATION

April 29, 2022 : Nicholas Zangl

2022 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))
- 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

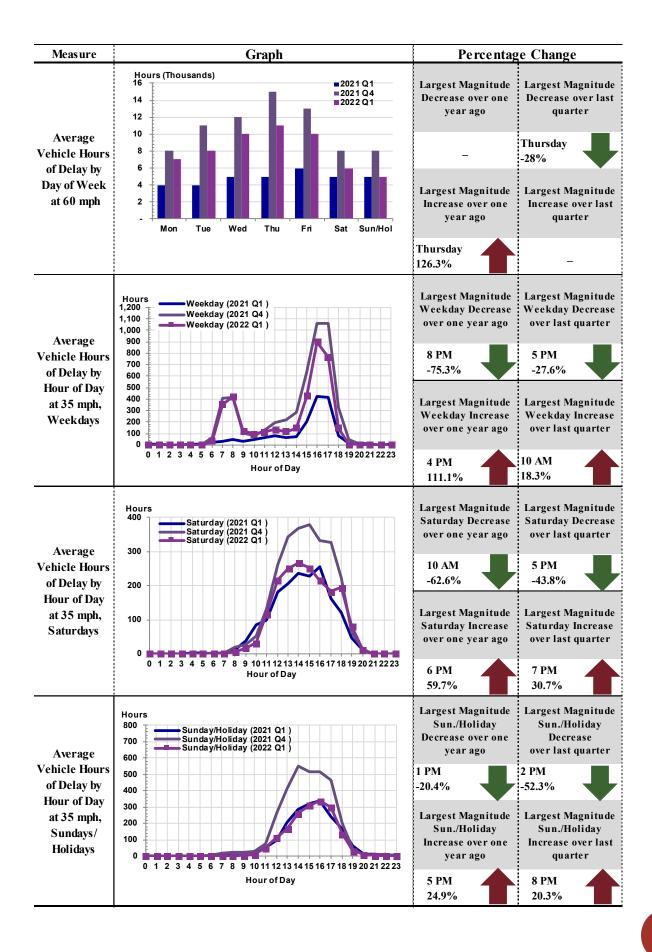
In the first quarter, total delay equaled 278,000 vehicle hours of delay (VHD) at the 35 mph speed threshold, and 707,300 VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 3,711 VHD at 35 mph, and 9,046 VHD at 60 mph.

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	BAY AVE - PORTER ST AT HWY 1 SB	ML	PM	364.577	13.279	36.983018	-121.95851	62	1.30484	20070.5	12050
SB	US101-S	SAN YSIDRO RD 101 NB VDS MLSB SB	ML	PM	92.928	10.04	34.422455	-119.632021	58	2.7	18169.1	8030
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	ML	PM	330.075	R79.54	36.611936	-121.85503	58	2.85345	14538.6	6225
SCR	SR1-N	PARK AVE AT HWY 1 SB VDS MLNB NB	ML	AM	363.679	12.338	36.98406	-121.941535	41	4.16098	10261.7	3635
MON	SR1-S	SOUTH OF FREMONT BLVD AT HWY 1 N	ML	AM	330.929	R80.46	36.622494	-121.845397	53	3.30755	6299.6	3530
SCR	SR1-S	SOQUEL DR NEXT EXIT SIGN HWY 1 N	ML	PM	365.708	14.41	36.985023	-121.978295	51	1.32549	6201.6	5175
SCR	SR1-S	STATE PARK DR AT HWY 1 NB VDS ML	ML	PM	361.617	10.319	36.976222	-121.907143	44	2.32045	6135.8	4565
SCR	SR1-N	BAY AVE - PORTER ST AT HWY 1 NB	ML	PM	364.373	13.032	36.983544	-121.954147	62	0.5	5676.8	12060
SB	US101-N	BAILARD AVE 101 NB VDS MLNB NB	ML	AM	84.742	1.819	34.389586	-119.501353	48	1.625	5615.4	4005
MON	SR68-E	LAGUNA SECA MAIN ENTRANCE HWY 68	ML	PM	11.238	11.034	36.570195	-121.759253	62	2.5	4421.5	10400

Quarterly Mobility Statistics







Congestion by Route												
		Vehicle Hours of Delay at 35 mph				erence 1-2021 Q1		erence 1-2021 Q4	Rank			
Route	County	2021 Q1	2021 Q4	2022 Q1	Absolute	Percentage	Absolute	Percentage	2021 Q1	2021 Q4	2022 Q1	
SR1	Santa Cruz	54,571	130,560	96,493	41,923	76.8%	-34,066	-26.1%	1	1	1	
US101	Santa Barbara	33,493	122,734	73,953	40,460	120.8%	-48,781	-39.7%	2	2	2	
SR1	Monterey	24,825	53,956	51,350	26,525	106.8%	-2,606	-4.8%	3	3	3	
US101	Monterey	5,799	17,776	10,759	4,960	85.5%	-7,017	-39.5%	6	6	4	
US101	San Luis Obispo	10,185	26,120	10,006	-178	-1.7%	-16,113	-61.7%	5	4	5	
SR156	San Benito	5,520	21,179	9,663	4,143	75.0%	-11,516	-54.4%	7	5	6	
SR17	Santa Cruz	12,535	11,654	8,171	-4,365	-34.8%	-3,483	-29.9%	4	7	7	
Т	OTALS	146,929	383,979	260,396	113,467	77.2%	-123,584	-32.2%				