# District 05 <br> Mobility Performance Report 

## 2022 First Quarter

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 $1^{\text {st }}$ 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)
- 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 $707,300 \mathrm{VHD}$ at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately $3,711 \mathrm{VHD}$ at 35 mph , and $9,046 \mathrm{VHD}$ at 60 mph .

## Top Ten Bottlenecks for Quarter 1

| County | Fwy | Location | Type | Shift | Abs PM | CA PM | Latitude | Longitude |  | Avg Extent (Miles) | $\begin{array}{c}\text { Total } \\ \text { Delay } \\ \text { (veh-hrs) }\end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Route | County | Vehicle Hours of Delay at 35 mph |  |  | $\begin{gathered} \text { Difference } \\ 2022 \text { Q1-2021 Q1 } \end{gathered}$ |  | $\begin{gathered} \text { Difference } \\ 2022 \text { Q1-2021 Q4 } \end{gathered}$ |  | Rank |  |  |
|  |  | 2021 Q1 | 2021 Q4 | 2022 Q1 | Absolute | Percentage | Absolute | Percentage | 2021 Q1 | 2021 Q4 | 2022 Q1 |
| SR1 | Santa Cuz | 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 |
|  | OTALS | 146,929 | 383,979 | 260,396 | 113,467 | 77.2\% | -123,584 | -32.2\% |  |  |  |

