# District 05 <br> Mobility Performance Report 

## 2021 Fourth Quarter

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## 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 $4^{\text {th }}$ 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 fourth quarter, total delay equaled 401,200 vehicle hours of delay (VHD) at the 35 mph speed threshold, and $965,100 \mathrm{VHD}$ at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately $5,038 \mathrm{VHD}$ at 35 mph , and $11,692 \mathrm{VHD}$ at 60 mph .

## Top Ten Bottlenecks for Quarter 4

| County | Fwy | Location | Type | Shift | Abs PM | CA PM | Latitude | Longitude | $\begin{gathered} \# \\ \text { \#ays } \\ \text { Active } \end{gathered}$ | Avg Extent (Miles) | $\begin{array}{\|c\|} \hline \text { Total } \\ \text { Delay } \\ \text { (veh-hrs) } \\ \hline \end{array}$ | Total Duration (mins) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SB | US101-S | SAN YSIDRO RD 101 NB VDS MLSB SB | ML | PM | 92.928 | 10.04 | 34.422455 | -119.632021 | 58 | 3.20172 | 41854.3 | 10430 |
| SCR | SR1-S | BAY AVE - PORTER ST AT HWY 1 SB | ML | PM | 364.577 | 13.279 | 36.983018 | -121.95851 | 60 | 1.18833 | 20066.1 | 12050 |
| SCR | SR1-S | $700{ }^{\prime} \mathrm{N}$ of 001 NB Overcrossing | ML | PM | 368.508 | 17.21 | 36.986035 | -122.024092 | 20 | 8.4 | 12297.1 | 1805 |
| SCR | SR1-N | PARK AVE AT HWY 1 SB VDS MLNB NB | ML | AM | 363.679 | 12.338 | 36.98406 | -121.941535 | 49 | 3.98571 | 11813.3 | 4340 |
| MON | SR1-N | CANYON DEL REY BLVD AT HWY 1 NB | ML | PM | 330.075 | R79.54 | 36.611936 | -121.85503 | 55 | 2.46909 | 11569.5 | 5820 |
| SCR | SR1-S | SOQUEL DR NEXT EXIT SIGN HWY 1 N | ML | PM | 365.708 | 14.41 | 36.985023 | -121.978295 | 54 | 1.56852 | 8285.2 | 5200 |
| MON | SR1-S | SOUTH OF FREMONT BLVD AT HWY 1 N | ML | AM | 330.929 | R80.46 | 36.622494 | -121.845397 | 51 | 3.49804 | 8052.2 | 3600 |
| SLO | US101-S | SPYGLASS DR 101 SB VDS MLSB SB | ML | PM | 193.322 | R19.797 | 35.163842 | -120.686844 | 47 | 2.0766 | 6325.3 | 5075 |
| SCR | SR1-N | BAY AVE - PORTER ST AT HWY 1 NB | ML | PM | 364.373 | 13.032 | 36.983544 | -121.954147 | 60 | 0.5 | 5333.7 | 12160 |
| SB | US101-N | BAILARD AVE 101 NB VDS MLNB NB | ML | AM | 84.742 | 1.819 | 34.389586 | -119.501353 | 45 | 1.48667 | 5269.1 | 3845 |

## Quarterly Mobility Statistics





| Congestion by Route |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Route | County | Vehicle Hours of Delay at 35 mph |  |  | $\begin{gathered} \text { Difference } \\ 2021 \text { Q4-2020 Q4 } \end{gathered}$ |  | $\begin{gathered} \text { Difference } \\ 2021 \text { Q4-2021 Q3 } \end{gathered}$ |  | Rank |  |  |
|  |  | 2020 Q4 | 2021 Q3 | 2021 Q4 | Absolute | Percentage | Absolute | Percentage | 2020 Q4 | 2021 Q3 | 2021 Q4 |
| SR1 | Santa Cruz | 56,040 | 172,449 | 130,560 | 74,520 | 133.0\% | -41,889 | -24.3\% | 1 | 1 | 1 |
| US101 | Santa Barbara | 24,224 | 68,140 | 122,734 | 98,511 | 406.7\% | 54,594 | 80.1\% | 2 | 3 | 2 |
| SR1 | Monterey | 11,811 | 85,981 | 53,956 | 42,146 | 356.8\% | -32,025 | -37.2\% | 3 | 2 | 3 |
| US101 | San Luis Obispo | 8,312 | 20,401 | 26,120 | 17,808 | 214.3\% | 5,719 | 28.0\% | 5 | 6 | 4 |
| SR156 | San Benito | 10,180 | 50,881 | 21,179 | 11,000 | 108.1\% | -29,701 | -58.4\% | 4 | 4 | 5 |
| US101 | Monterey | 5,670 | 22,900 | 17,776 | 12,106 | 213.5\% | -5,124 | -22.4\% | 6 | 5 | 6 |
| SR68 | Monterey | 3,842 | 18,586 | 17,254 | 13,412 | 349.1\% | -1,332 | -7.2\% | 8 | 8 | 7 |
| SR17 | Santa Cruz | 5,487 | 19,357 | 11,654 | 6,167 | 112.4\% | -7,703 | -39.8\% | 7 | 7 | 8 |
| TOTALS |  | 125,565 | 458,694 | 401,233 | 275,669 | 219.5\% | -57,460 | -12.5\% |  |  |  |

