# District 05 Mobility Performance Report 

2017 First Quarter

## 2017 First 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. There is no detection in San Benito County currently. All of the counties are in an urban setting within the cities limit and rural outside city limit. 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 261,900 thousand vehicle hours of delay (VHD) at the 35 mph speed threshold, and 545,600 thousand VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 3,773 thousand VHD at 35 mph , and 7,728 thousand VHD at 60 mph .

## Top Ten Bottlenecks for Quarter 1

| County | Fwy | Location | Type | Shift | Abs PM | CA PM |  | Avg Extent (Miles) | Total Delay (veh-hrs) | Total Duration (mins) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SCR | SR1-S | STATE PARK DR AT HWY 1 SB VDS ML | ML | PM | 362.07 | 10.772 | 36 | 3.89722 | 21673.2 | 5825 |
| MON | SR1-N | CASA VERDE WAY HWY 1 SB VDS MLNB | ML | PM | 329.082 | 78.547 | 40 | 2.35 | 11723 | 4765 |
| SCR | SR1-N | 41ST ST EXIT AT HWY 1 SB VDS MLN | ML | AM | 365.27 | 13.929 | 39 | 4.54103 | 10899.8 | 4145 |
| SB | US101-S | SAN YSIDRO RD 101 NB VDS MLSB SB | ML | PM | 92.928 | 10.04 | 50 | 3.186 | 7696.4 | 6100 |
| MON | SR1-N | CANYON DEL REY BLVD AT HWY 1 NB | ML | PM | 330.075 | 79.54 | 57 | 1.17018 | 5233.4 | 6810 |
| SCR | SR1-N | SOQUEL AVE AT HWY 1 SB VDS MLNB | ML | PM | 366.342 | 15.001 | 21 | 1.82857 | 5053.8 | 2895 |
| SCR | SR1-S | SOQUEL DR NEXT EXIT SIGN HWY 1 N | ML | PM | 365.708 | 14.41 | 33 | 1.66364 | 4976.2 | 3495 |
| SB | US101-S | SANTA CLAUS LANE 101 SB VDS MLSB | ML | PM | 87.528 | 4.632 | 42 | 1.7 | 4299.5 | 4915 |
| SB | US101-N | EVANS AVE 101 NB VDS MLNB NB | ML | AM | 90.984 | 8.061 | 36 | 4.23611 | 3804.5 | 2570 |
| SCR | SR1-S | PARK AVE AT HWY 1 NB VDS MLSB SB | ML | PM | 363.178 | 11.88 | 33 | 2.39394 | 3750.8 | 1900 |

Quarterly Mobility Statistics




## Congestion by Route

| Route | County | Vehicle Hours of Delay at 35 mph |  |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q1-2016 Q1 } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q1-2016 Q4 } \\ \hline \end{gathered}$ |  | Rank |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2016 Q1 | 2016 Q4 | 2017 Q1 | Absolute | Percentage | Absolute | Percentage | 2016 Q1 | 2016 Q4 | 2017 Q1 |
| SR1 | Santa Cruz | 80,342 | 135,488 | 93,365 | 13,023 | 16.2\% | -42,123 | -31.1\% | 1 | 1 | 1 |
| SR17 | Santa Cruz | 6,547 | 22,722 | 57,639 | 51,092 | 780.4\% | 34,917 | 153.7\% | 5 | 4 | 2 |
| US101 | Santa Barbara | 60,479 | 88,726 | 56,443 | -4,035 | -6.7\% | -32,283 | -36.4\% | 2 | 2 | 3 |
| SR1 | Monterey | 33,138 | 61,105 | 31,737 | -1,401 | -4.2\% | -29,369 | -48.1\% | 3 | 3 | 4 |
| US101 | San Luis Obispo | 13,422 | 18,939 | 17,436 | 4,015 | 29.9\% | -1,502 | -7.9\% | 4 | 5 | 5 |
| US101 | Monterey | 0 | 6,929 | 5,331 | 5,331 |  | -1,598 | -23.1\% |  | 6 | 6 |
| TOTALS |  | 193,927 | 333,909 | 261,951 | 68,024 | 35.1\% | -71,958 | -21.6\% |  |  |  |

New detections were installed in quarter 2, 2016 on US 101 between City of Salinas south to Prunedale area (PM 91.888-98.360, Monterey County). Therefore, there are no comparable data for 2016 Q1 for this Route.

