# District 05 Mobility Performance Report 

2017 Second Quarter

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2017 Second 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 $2^{\text {nd }}$ 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 second quarter, total delay equaled 472,400 thousands vehicle hours of delay
(VHD) at the 35 mph speed threshold, and 974,100 thousand VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 5,300 thousand VHD at 35 mph , and 11,000 thousand VHD at 60 mph .

## Top Ten Bottlenecks for Quarter 2

| County | Fwy |  |  |  |  | L <br> Days <br> Avg <br> Extent <br> (Miles) | Total <br> (velay-hrs) | Total <br> Duration <br> (mins) |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| SCR | SR1-S | STATE PARK DR AT HWY 1 SB VDS ML | PM | 362.07 | 10.772 | 58 | 3.89138 | 27569.1 | 7175 |
| SCR | SR1-S | SOQUEL DR NEXT EXT SIGN HWY 1 N | PM | 365.708 | 14.41 | 64 | 1.54531 | 17081.6 | 10955 |
| SCR | SR1-N | 41ST ST EXIT AT HWY 1 SB VDS MLN | AM | 365.27 | 13.929 | 56 | 4.52857 | 16781.7 | 5360 |
| MON | SR1-N | CASA VERDE WAY HWY 1 SB VDS MLNB | PM | 329.082 | 78.547 | 62 | 1.97903 | 15331.6 | 7155 |
| SCR | SR1-S | PARK AVE AT HWY 1 NB VDS MLSB SB | PM | 363.178 | 11.88 | 63 | 2.30476 | 11174.3 | 5330 |
| SLO | US101-S | SPYGLASS DR 101 SB VDS MLSB SB | PM | 193.322 | 19.797 | 49 | 2.3102 | 10140.8 | 5820 |
| SB | US101-S | SANTA CLAUS LANE 101 SB VDS MLSB | PM | 87.528 | 4.632 | 64 | 1.7 | 8686.9 | 8885 |
| SB | US101-N | EVANS AVE 101 NB VDS MLNB NB | AM | 90.984 | 8.061 | 43 | 4.94186 | 6612.6 | 3020 |
| SB | US101-S | HERMOSILLO RD 101 NB VDS MLSB SB | PM | 93.968 | 11.08 | 30 | 1.89333 | 6591.1 | 4050 |
| SCR | SR1-S | NB1 to NB 17 Conn | PM | 368.018 | 16.72 | 29 | 8.9 | 6433.3 | 2085 |

Quarterly Mobility Statistics




| Congestion by Route |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Route | County | $\begin{gathered} \text { Vehicle Hours of Delay } \\ \text { at } 35 \mathrm{mph} \\ \hline \end{gathered}$ |  |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q2-2016 Q2 } \end{gathered}$ |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q2-2017 Q1 } \\ \hline \end{gathered}$ |  | Rank |  |  |
|  |  | 2016 Q2 | 2017 Q1 | 2017 Q2 | Absolute | Percentage | Absolute | Percentage | 2016 Q2 | 2017 Q 1 | 2017 Q2 |
| SR1 | Santa Cunz | 199.940 | 93.365 | 210:840 | 10,900 | 5.5\% | 117:475 | 125.8\% | 1 | 1 | 1 |
| LS101 | Santa Barta ara | 83. 756 | 56.443 | 91.929 | 8.173 | 9.8\% | 35.485 | 62.9\% | 3 | 3 | 2 |
| SR1 | Monterey | 86.015 | 31.737 | 64.783 | $-21,233$ | -24.7\% | 33,046 | 104.1\% | 2 | 4 | 3 |
| SR17 | Santa Cnuz | 22,219 | 57.639 | 57:816 | 35,597 | 1602\% | 177 | 0.3\% | 5 | 2 | 4 |
| LSS 101 | Sant Luis Obispo | 36.799 | 17.436 | 32.822 | -3,977 | -10.8\% | 15,385 | 88.2\% | 4 | 5 | 5 |
| US 101 | Monterey | 9.731 | 5331 | 14,204 | 4.473 | 46.0\% | 8.873 | 165.4\% | 6 | 6 | 6 |
| TOTALS |  | 438,4-59, | 261,931 | 472,392 | 33,933 | 7.7\% | 210,441 | 80.3\% |  |  |  |

