# District 06 Mobility Performance Report 

2017 Second Quarter

September 15, 2017
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## 2017 Second Quarter

## EXECUTIVE SUMMARY

## Overview

Caltrans District 6 is geographically diverse district and the third largest of the 12 Districts statewide, stretching from the southernmost part of Yosemite National Park in the north to the Mojave Desert. It includes Madera, Fresno, Tulare, Kings and Kern counties. District 6 maintains and operates of 476 miles of freeway and 1,554 miles of rural and urban highway. The District has the largest portion of road miles to maintain in the state highway system with 2,030 miles.

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)
- Lost Lane Miles (equivalent lost productivity)
- Detector Health


## FINDINGS

In the second quarter of 2017, the total delay equaled 342 thousands Vehicle Hours of Delay (VHD) at the 35 mph speed threshold, and 1,380 thousands VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 3,866 thousands VHD at 35 mph , and 17 thousand VHD at 60 mph .

The VHD in this quarter experienced an overall increase of $30.4 \%$ compared to the previous quarter. The increased VHD on State Route 46 in Kern County could be related to malfunctioning detectors. The detectors were providing non-consistent data. The increased VHD on State Route 99 in Madera County could be related to the increased traffic volume.

The increased VHD on State Route 99 and State Route 58 in Kern County could be related to several projects in the City of Bakersfield around the State Route 99 \& State Route 58 interchange. The project is adding new lanes and several detectors were offline due to construction activities.

Due to malfunctioning of the several detectors, there were several bottleneck locations reported within the District 6 boundaries. Upon manual investigations of the detector locations and the data, erroneous bottleneck locations removed from this second quarter report.

Quarterly Mobility Statistics




| Congestion by Route |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Route | County | Vehicle Hours of Delay at 35 mph |  |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q2-2016 Q2 } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { Difference } \\ 2017 \text { Q2-2017 Q1 } \\ \hline \end{gathered}$ |  | Rank |  |  |
|  |  | 2016 Q2 | 2017 Q1 | 2017 Q2 | Absolute | Percentage | Absolute | Percentage | 2016 Q2 | 2017 Q1 | 2017 Q2 |
| I5 | Fresno | 6,184 | 72,087 | 92,203 | 86,018 | 1390.9\% | 20,116 | 27.9\% | 7 | 1 | 1 |
| SR46 | Kern | 235 | 38,309 | 51,246 | 51,011 | 21697.4\% | 12,936 | 33.8\% | 14 | 2 | 2 |
| SR99 | Fresno | 40,405 | 33,797 | 41,345 | 940 | 2.3\% | 7,548 | 22.3\% | 1 | 3 | 3 |
| SR99 | Madera | 20,007 | 16,015 | 31,475 | 11,468 | 57.3\% | 15,460 | 96.5\% | 4 | 8 | 4 |
| SR99 | Kern | 23,137 | 14,798 | 29,114 | 5,977 | 25.8\% | 14,316 | 96.7\% | 3 | 9 | 5 |
| SR41 | Fresno | 11,203 | 20,249 | 23,470 | 12,267 | 109.5\% | 3,221 | 15.9\% | 6 | 4 | 6 |
| SR99 | Tulare | 5,847 | 19,426 | 21,648 | 15,801 | 270.2\% | 2,222 | 11.4\% | 8 | 5 | 7 |
| I5 | Kern | 25,523 | 19,277 | 21,515 | -4,008 | -15.7\% | 2,238 | 11.6\% | 2 | 6 | 8 |
| SR180 | Fresno | 14,763 | 16,939 | 10,997 | -3,766 | -25.5\% | -5,942 | -35.1\% | 5 | 7 | 9 |
| SR168S | Fresno | 1,768 | 4,680 | 7,526 | 5,757 | 325.6\% | 2,846 | 60.8\% | 10 | 10 | 10 |
| SR58 | Kern | 3,733 | 2,753 | 5,415 | 1,682 | 45.0\% | 2,662 | 96.7\% | 9 | 11 | 11 |
| SR41 | Kings | 842 | 595 | 2,088 | 1,246 | 148.0\% | 1,493 | 250.8\% | 13 | 14 | 12 |
| I5 | Kings | 937 | 1,514 | 1,675 | 738 | 78.8\% | 161 | 10.6\% | 12 | 12 | 13 |
| SR198 | Kings | 1,664 | 1,144 | 1,104 | -560 | -33.6\% | -40 | -3.5\% | 11 | 13 | 14 |
| SR198 | Tulare | 91 | 312 | 311 | 220 | 242.9\% | -2 | -0.5\% | 16 | 15 | 15 |
| SR41 | Madera | 30 | 1 | 296 | 266 | 879.1\% | 295 | 36862.5\% | 17 | 16 | 16 |
| SR178 | Kern | 0 | 0 | 77 | 77 |  | 77 |  |  |  | 17 |
| SR152 | Madera | 23 | 0 | 32 | 8 | 36.1\% | 32 |  | 18 |  | 18 |
| SR168 | Fresno | 143 | 0 | 0 | -143 | -100.0\% | 0 |  | 15 |  |  |
| TOTALS |  | 156,536 | 261,896 | 341,534 | 184,999 | 118.2\% | 79,638 | 30.4\% |  |  |  |

