

2017 First Quarter

DEPARTMENT OF TRANSPORTATION

April 15, 2017 : Carlos Mendoza

## **District 11 Mobility Performance Report**

## 2017 First Quarter

### **EXECUTIVE SUMMARY**

#### Overview

District 11 for Caltrans consists of both the Imperial and San Diego counties. With San Diego having a population of approximately 3,100,000 residents and Imperial County with approximately 175,000 residents. Although, District 11 is composed of these two counties, Imperial County does not report any performance data.

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)
- o 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.

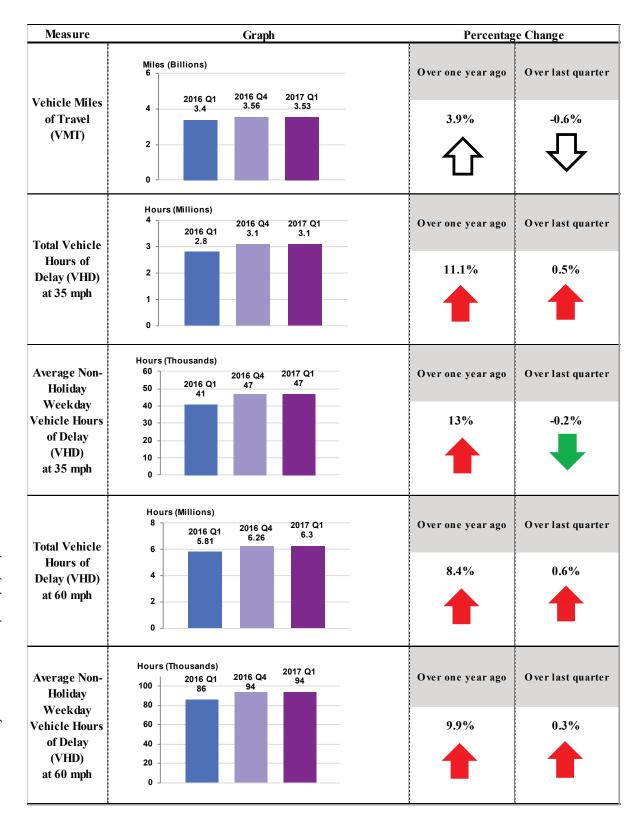
# **FINDINGS**

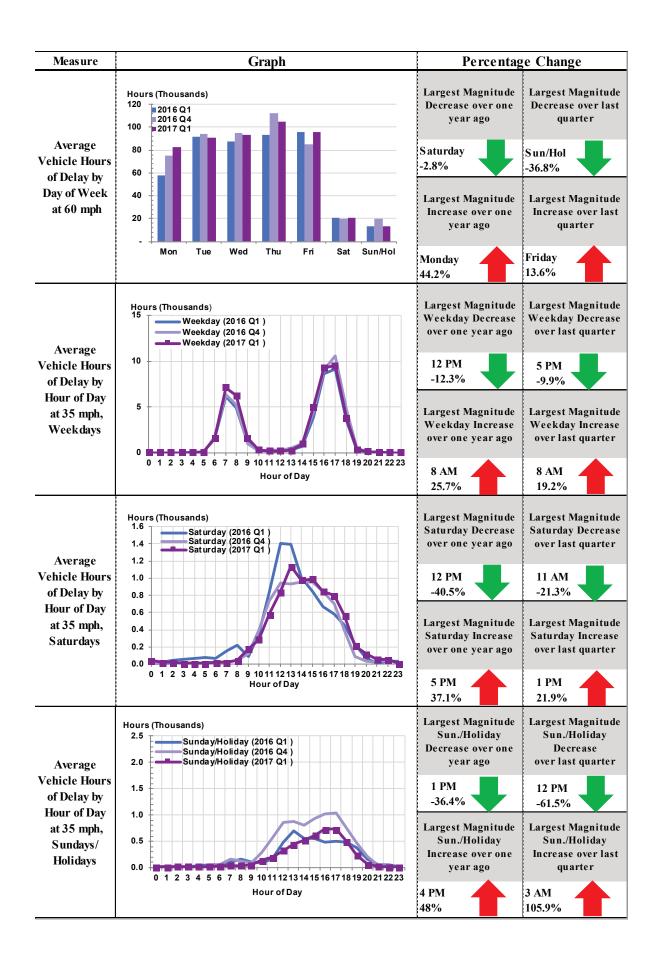
In the first quarter, the total delay equaled 3.1 million VHD at the 35 mph speed threshold, and 6.3 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 47 thousand VHD at 35 mph, and 94 thousand VHD at 60 mph.

Top Ten Bottlenecks for the Quarter 1

| Fwy     | Location            | Shift | Abs PM | CA PM   | # Days Active | Avg Extent (Miles) | Total Delay (veh-hrs) | Total Duration (mins) |
|---------|---------------------|-------|--------|---------|---------------|--------------------|-----------------------|-----------------------|
| 1805-S  | At I?15             | PM    | 14.702 | 14.851  | 60            | 8.491666667        | 235,652               | 10,025                |
| 1805-N  | At I?15             | AM    | 14.701 | 14.85   | 60            | 3.44               | 87,619                | 7,795                 |
| SR163-S | FRIARS RD           | PM    | 3.679  | 4.277   | 58            | 3.993103448        | 83,256                | 8,800                 |
| 1805-N  | 805 NB N/O 52       | AM    | 23.501 | 23.65   | 53            | 3.222641509        | 83,175                | 9,405                 |
| SR52-E  | East of Santo Rd    | PM    | 8.961  | 8.961   | 56            | 4.003571429        | 79,689                | 10,490                |
| 15-N    | NB 5 @ B ST         | AM    | 15.231 | R15.34  | 58            | 3.917241379        | 71,348                | 7,120                 |
| 15-S    | 5 S N/O VISTA VIEW  | AM    | 39.059 | R39.201 | 57            | 5.742105263        | 71,250                | 5,620                 |
| SR78-E  | Twin Oaks Valley Rd | PM    | 13.018 | 13.022  | 61            | 3.791803279        | 67,846                | 8,410                 |
| SR94-W  | 94W (F St) @ 5      | AM    | 0.155  | 1.571   | 54            | 3.672222222        | 66,679                | 5,445                 |
| 15-S    | 5th Ave             | PM    | 16.001 | R16.11  | 58            | 2.562068966        | 65,539                | 8,335                 |

## **Quarterly Mobility Statistics**







| Congestion by Route |           |           |                            |           |                   |                  |                               |            |         |         |         |  |
|---------------------|-----------|-----------|----------------------------|-----------|-------------------|------------------|-------------------------------|------------|---------|---------|---------|--|
|                     |           | Vehic     | le Hours of [<br>at 35 mph | Delay     | Differ<br>2017 Q1 | ence<br>-2016 Q1 | Difference<br>2017 Q1-2016 Q4 |            | Rank    |         |         |  |
| Route               | County    | 2016 Q1   | 2016 Q4                    | 2017 Q1   | Absolute          | Percentage       | Absolute                      | Percentage | 2016 Q1 | 2016 Q4 | 2017 Q1 |  |
| I5                  | San Diego | 876,294   | 950,575                    | 908,099   | 31,805            | 3.6%             | -42,476                       | -4.5%      | 1       | 1       | 1       |  |
| I805                | San Diego | 512,154   | 636,982                    | 656,919   | 144,765           | 28.3%            | 19,937                        | 3.1%       | 2       | 2       | 2       |  |
| I15                 | San Diego | 493,601   | 416,076                    | 434,657   | -58,944           | -11.9%           | 18,580                        | 4.5%       | 3       | 3       | 3       |  |
| SR78                | San Diego | 206,161   | 238,183                    | 219,830   | 13,670            | 6.6%             | -18,353                       | -7.7%      | 4       | 4       | 4       |  |
| I8                  | San Diego | 185,161   | 204,511                    | 190,999   | 5,838             | 3.2%             | -13,511                       | -6.6%      | 5       | 5       | 5       |  |
| SR125               | San Diego | 104,345   | 170,360                    | 179,157   | 74,812            | 71.7%            | 8,797                         | 5.2%       | 7       | 6       | 6       |  |
| SR52                | San Diego | 150,571   | 134,122                    | 132,130   | -18,441           | -12.2%           | -1,992                        | -1.5%      | 6       | 7       | 7       |  |
| SR94                | San Diego | 66,880    | 112,310                    | 130,146   | 63,266            | 94.6%            | 17,836                        | 15.9%      | 9       | 9       | 8       |  |
| SR163               | San Diego | 102,538   | 119,938                    | 119,449   | 16,911            | 16.5%            | -489                          | -0.4%      | 8       | 8       | 9       |  |
| SR56                | San Diego | 57,308    | 59,696                     | 67,117    | 9,809             | 17.1%            | 7,421                         | 12.4%      | 10      | 10      | 10      |  |
| 1905                | San Diego | 7,246     | 3,125                      | 16,970    | 9,724             | 134.2%           | 13,845                        | 443.0%     | 11      | 12      | 11      |  |
| SR54                | San Diego | 2,468     | 4,781                      | 5,703     | 3,235             | 131.0%           | 922                           | 19.3%      | 12      | 11      | 12      |  |
| SR76                | San Diego | 0         | 2,945                      | 5,423     | 5,423             |                  | 2,478                         | 84.2%      |         | 13      | 13      |  |
| SR67                | San Diego | 0         | 1,701                      | 4,442     | 4,442             |                  | 2,741                         | 161.1%     |         | 14      | 14      |  |
| TOTALS              |           | 2,764,726 | 3,055,304                  | 3,071,039 | 306,313           | 11.1%            | 15,735                        | 0.5%       |         |         |         |  |

SR67 and SR76: The reason why the difference between 2016 Q1 and 2017 Q1 is showing blank, is due to the fact that the detection data started to appear on 2016 Q4.