

2018 First Quarter

DEPARTMENT OF TRANSPORTATION

May 7, 2018 : Carlos Mendoza

District 11 Mobility Performance Report

2018 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.

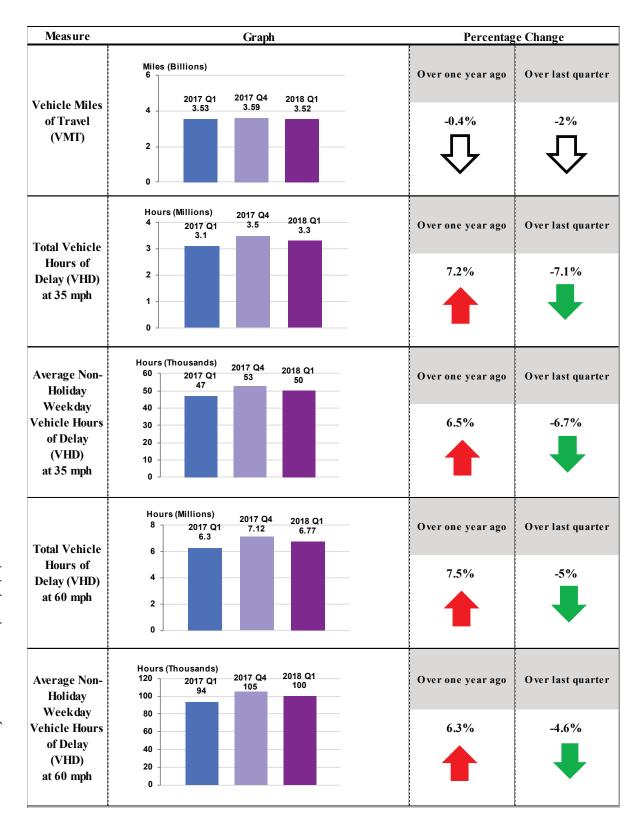
FINDINGS

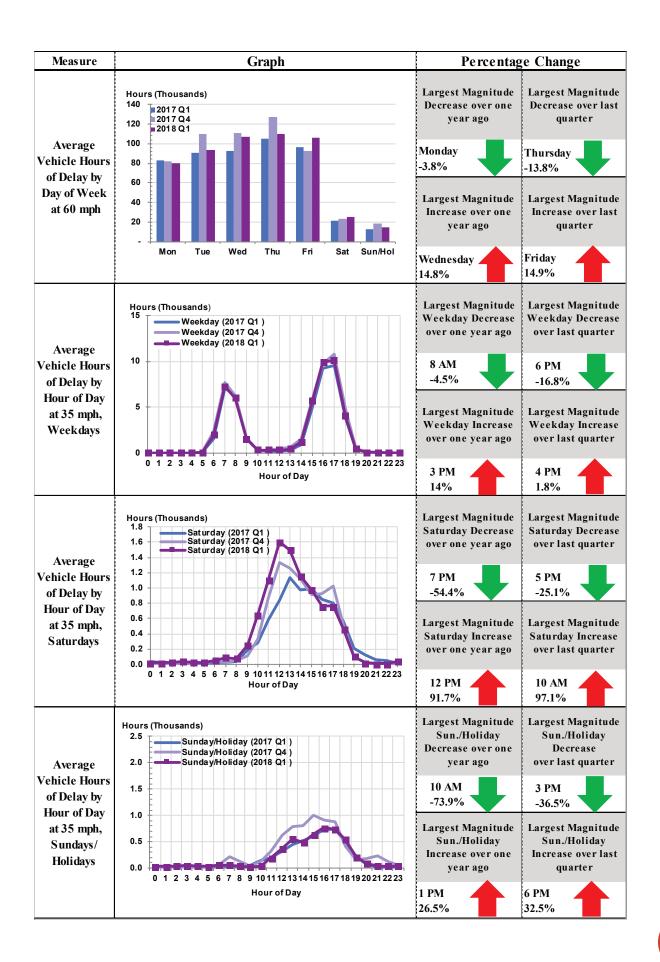
In the first quarter, the total delay equaled 3.3 million VHD at the 35 mph speed threshold, and 6.77 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 50 thousand VHD at 35 mph, and 100 thousand VHD at 60 mph.

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 | 805 SB @ 15 | PM | 14.70 | 14.852 | 58 | 7.00 | 160,560.80 | 8,085.00 |
| 115-N | 15 NB N-O Mission Rd | PM | 52.35 | R52.09 | 55 | 5.32 | 108,488.00 | 9,540.00 |
| 15-S | 5 S N-O VISTA VIEW | AM | 39.06 | R39.201 | 59 | 6.23 | 102,863.30 | 8,355.00 |
| 1805-S | 805 SB N-O 15 | PM | 15.17 | 15.321 | 58 | 6.88 | 98,364.60 | 4,680.00 |
| 1805-N | 805 NB N-O 52 | AM | 23.50 | 23.65 | 58 | 1.81 | 84,195.70 | 11,860.00 |
| 15-N | 5N Lomas Santa Fe EB | PM | 37.26 | R37.37 | 59 | 5.08 | 79,222.90 | 5,560.00 |
| 15-S | 5th Ave | PM | 16.00 | R16.11 | 61 | 2.60 | 76,786.40 | 9,660.00 |
| 15-N | Cannon Rd | PM | 48.00 | R48.104 | 62 | 3.10 | 76,082.40 | 10,130.00 |
| 15-N | NB 5 @ B ST | AM | 15.23 | R15.34 | 59 | 3.16 | 69,733.40 | 7,405.00 |
| 1805-N | At I?15 | AM | 14.70 | 14.85 | 59 | 2.93 | 64,148.90 | 7,330.00 |

Quarterly Mobility Statistics







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| Congestion by Route | | | | | | | | | | | |
|---------------------|-----------|-----------|---------------|-----------|----------|-------------------|-------------------------------|------------|---------|---------|---------|
| | | Vehic | le Hours of D | Delay | | rence -2017 Q1 | Difference 2018 Q1-2017 Q4 | | Rank | | |
| Route | County | 2017 Q1 | 2017 Q4 | 2018 Q1 | Absolute | Percentage | Absolute | Percentage | 2017 Q1 | 2017 Q4 | 2018 Q1 |
| I5 | San Diego | 908,099 | 1,141,899 | 1,083,548 | 175,448 | 19.3% | -58,351 | -5.1% | 1 | 1 | 1 |
| I805 | San Diego | 656,919 | 636,119 | 576,478 | -80,442 | -12.2% | -59,641 | -9.4% | 2 | 2 | 2 |
| I15 | San Diego | 434,657 | 628,122 | 574,862 | 140,206 | 32.3% | -53,260 | -8.5% | 3 | 3 | 3 |
| SR78 | San Diego | 219,830 | 263,652 | 254,540 | 34,709 | 15.8% | -9,112 | -3.5% | 4 | 4 | 4 |
| 18 | San Diego | 190,999 | 203,890 | 197,702 | 6,702 | 3.5% | -6,188 | -3.0% | 5 | 5 | 5 |
| SR125 | San Diego | 179,157 | 194,212 | 177,158 | -1,998 | -1.1% | -17,054 | -8.8% | 6 | 6 | 6 |
| SR52 | San Diego | 132,130 | 134,329 | 126,969 | -5,160 | -3.9% | -7,360 | -5.5% | 7 | 8 | 7 |
| SR163 | San Diego | 119,449 | 137,171 | 118,850 | -598 | -0.5% | -18,321 | -13.4% | 9 | 7 | 8 |
| SR94 | San Diego | 130,146 | 116,964 | 100,152 | -29,994 | -23.0% | -16,812 | -14.4% | 8 | 9 | 9 |
| SR56 | San Diego | 67,117 | 74,789 | 68,563 | 1,446 | 2.2% | -6,226 | -8.3% | 10 | 10 | 10 |
| I905 | San Diego | 16,970 | 4,008 | 5,670 | -11,300 | -66.6% | 1,662 | 41.5% | 11 | 12 | 11 |
| SR54 | San Diego | 5,703 | 3,419 | 4,316 | -1,387 | -24.3% | 897 | 26.2% | 12 | 13 | 12 |
| SR76 | San Diego | 5,423 | 5,868 | 4,099 | -1,324 | -24.4% | -1,768 | -30.1% | 13 | 11 | 13 |
| SR67 | San Diego | 4,442 | 1,810 | 195 | -4,247 | -95.6% | -1,615 | -89.2% | 14 | 14 | 14 |
| TOTALS | | 3,071,039 | 3,546,251 | 3,293,102 | 222,063 | 7.2% | -253,149 | -7.1% | | | |