

2017 Fourth Quarter

DEPARTMENT OF TRANSPORTATION

January 26, 2018 : Carlos Mendoza

District 11 Mobility Performance Report

2017 Fourth Quarter

EXECUTIVE SUMMARY

Overview

Caltrans District 11 consists of both the Imperial and San Diego counties, with San Diego having a population of approximately 3,095,313 residents and Imperial County with approximately 174,528 residents. Although, District 11 is composed of these two counties, Imperial County does not report any performance data due to less population.

The Mobility Performance quarterly analysis compares traffic information with the information collected in the same quarter over a year ago. In addition, it compares traffic information with its preceding quarter. The following parameters are used to show the performance measures of the area freeways:

- Vehicle Miles of Travel (VMT))
- o Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- o 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 total congestion. These thresholds are set by Caltrans and are based upon engineering experience and District input.

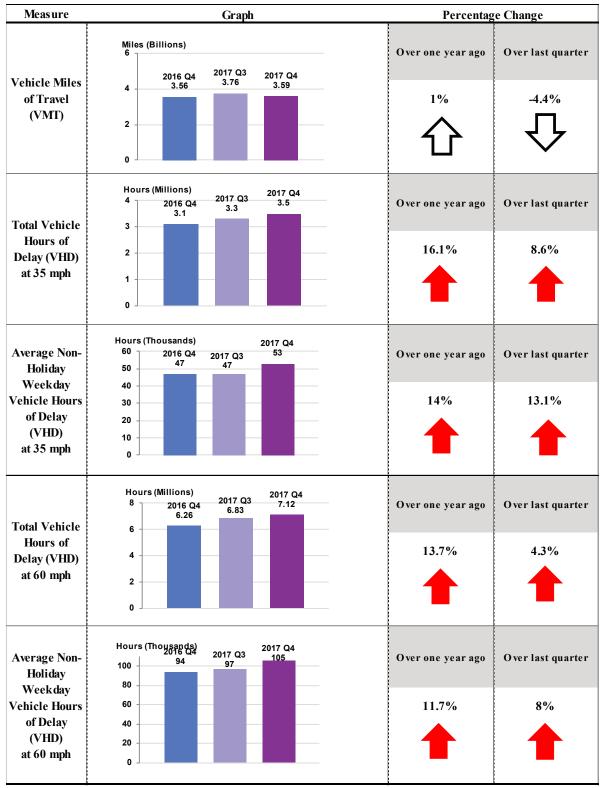
FINDINGS

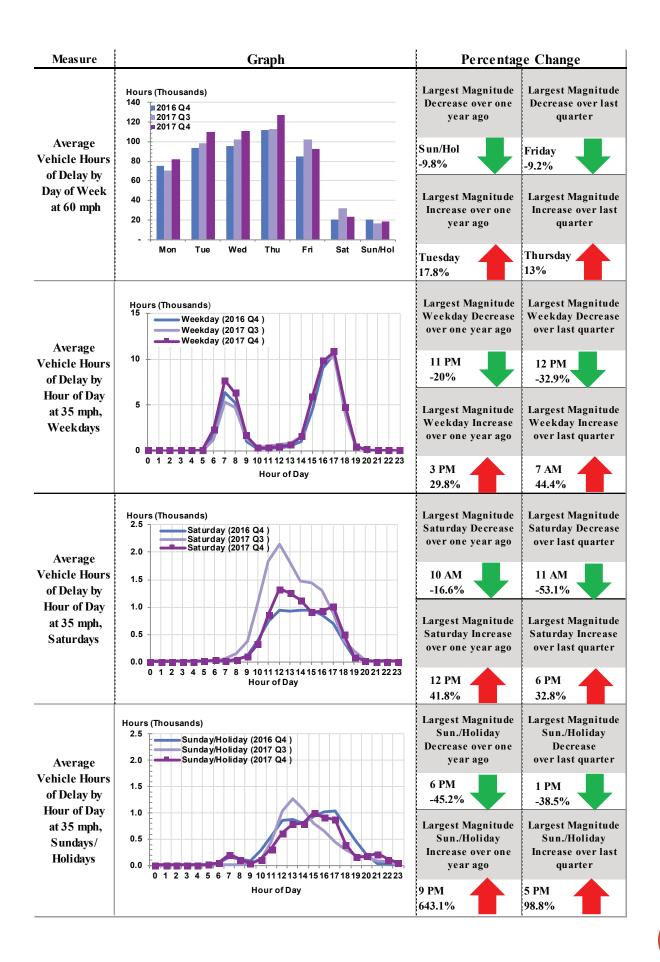
In the fourth quarter of 2017, the total delay equaled 3.5 million VHD at the 35 mph speed threshold, and 7.12 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 53 thousand VHD at 35 mph, and 105 thousand VHD at 60 mph.

Top Ten Bottlenecks for the Quarter 4

| 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 | 7.74 | 178,955.20 | 8,445.00 |
| 15-S | 5 S N-O VISTA VIEW | AM | 39.06 | R39.201 | 55 | 6.64 | 121,934.90 | 8,755.00 |
| I15-N | 15 NB N-O Mission Rd | PM | 52.35 | R52.09 | 56 | 5.35 | 112,686.70 | 9,815.00 |
| 15-N | Cannon Rd | PM | 48.00 | R48.104 | 60 | 4.08 | 107,730.40 | 9,465.00 |
| 1805-N | At I?15 | AM | 14.70 | 14.85 | 55 | 4.10 | 103,473.10 | 8,135.00 |
| 1805-N | 805 NB N-O 52 | AM | 23.50 | 23.65 | 54 | 2.32 | 92,237.20 | 10,970.00 |
| 15-S | EB CLAIREMONT DR | РМ | 21.97 | R22.082 | 48 | 7.44 | 89,473.70 | 4,145.00 |
| 1805-S | 805 SB N-O 15 | РМ | 15.17 | 15.321 | 56 | 6.88 | 81,744.30 | 3,355.00 |
| 15-N | NB 5 @ B ST | AM | 15.23 | R15.34 | 54 | 4.02 | 79,582.20 | 6,375.00 |
| SR163-S | FRIARS RD | РМ | 3.68 | 4.277 | 56 | 2.71 | 70,668.30 | 8,170.00 |

Quarterly Mobility Statistics







| ~~ |
|-------------------------|
| ∞ |
| \vdash |
| `.' |
| \circ |
| \sim |
| ٠. |
| .> |
| <u>ω</u> |
| ŌΙ |
| |
| 1/26/2018 |
| \vdash |
| - |
| |
| |
| _ |
| ㄷ |
| \circ |
| \approx |
| _ |
| യ |
| ñ. |
| ш |
| Jance F |
| Ψ |
| \circ |
| \subseteq |
| ѫ |
| w |
| ⊏ |
| _ |
| ≍ |
| Ē |
| ┰ |
| $\overline{}$ |
| Ψ |
| Δ. |
| _ |
| \sim |
| - |
| = |
| = |
| $\overline{\mathbf{v}}$ |
| g |
| Š |
| 2 |
| _ |
| \vdash |
| |
| \neg |
| _ |
| 7 |
| .≃ |
| _ |
| Dist |
| ഗ |
| = |
| ப |
| |

| Congestion by Route | | | | | | | | | | | |
|---------------------|-----------|-------------------------------------|-----------|-----------|-------------------|-------------------|-------------------------------|------------|---------|---------|---------|
| | | Vehicle Hours of Delay at 35 mph | | | DIffer 2017 Q4 | rence -2016 Q4 | Difference 2017 Q4-2017 Q3 | | Rank | | |
| Route | County | 2016 Q4 | 2017 Q3 | 2017 Q4 | Absolute | Percentage | Absolute | Percentage | 2016 Q4 | 2017 Q3 | 2017 Q4 |
| I5 | San Diego | 950,575 | 1,186,056 | 1,141,899 | 191,324 | 20.1% | -44,157 | -3.7% | 1 | 1 | 1 |
| I805 | San Diego | 636,982 | 570,224 | 636,119 | -863 | -0.1% | 65,895 | 11.6% | 2 | 2 | 2 |
| I15 | San Diego | 416,076 | 487,929 | 628,122 | 212,046 | 51.0% | 140,193 | 28.7% | 3 | 3 | 3 |
| SR78 | San Diego | 238,183 | 242,489 | 263,652 | 25,469 | 10.7% | 21,163 | 8.7% | 4 | 4 | 4 |
| 18 | San Diego | 204,511 | 179,066 | 203,890 | -621 | -0.3% | 24,823 | 13.9% | 5 | 5 | 5 |
| SR125 | San Diego | 170,360 | 155,805 | 194,212 | 23,852 | 14.0% | 38,407 | 24.7% | 6 | 7 | 6 |
| SR163 | San Diego | 119,938 | 157,981 | 137,171 | 17,233 | 14.4% | -20,810 | -13.2% | 8 | 6 | 7 |
| SR52 | San Diego | 134,122 | 133,003 | 134,329 | 208 | 0.2% | 1,326 | 1.0% | 7 | 8 | 8 |
| SR94 | San Diego | 112,310 | 74,022 | 116,964 | 4,655 | 4.1% | 42,942 | 58.0% | 9 | 9 | 9 |
| SR56 | San Diego | 59,696 | 66,252 | 74,789 | 15,093 | 25.3% | 8,536 | 12.9% | 10 | 10 | 10 |
| SR76 | San Diego | 2,945 | 3,656 | 5,868 | 2,923 | 99.3% | 2,212 | 60.5% | 13 | 13 | 11 |
| I905 | San Diego | 3,125 | 4,022 | 4,008 | 883 | 28.2% | -14 | -0.4% | 12 | 11 | 12 |
| SR54 | San Diego | 4,781 | 3,958 | 3,419 | -1,362 | -28.5% | -539 | -13.6% | 11 | 12 | 13 |
| SR67 | San Diego | 1,701 | 389 | 1,810 | 109 | 6.4% | 1,421 | 365.5% | 14 | 14 | 14 |
| TOTALS | | 3,055,304 | 3,264,853 | 3,546,251 | 490,947 | 16.1% | 281,398 | 8.6% | | | |