# District 12 Mobility Performance Report

2024 3rd Quarter

### **DEPARTMENT OF TRANSPORTATION**

October 31, 2024
District 12 Traffic Operations Northwest

# Mobility Performance Report | 10/31/2024

## 2024 3<sup>rd</sup> Quarter

### **EXECUTIVE SUMMARY**

### Overview

Caltrans District 12 (Orange County) is located in southern California and is adjacent to District 7 (Los Angeles), District 8 (San Bernardino), and District 11 (San Diego). As of April 1, 2020, the total population in Orange County was 3,010,232. Orange County encompasses 794 square miles, and includes 34 cities, and 17 State highway routes. The county has 1,059 lane miles of general purpose lanes and 226 lane miles of High-Occupancy Vehicle (HOV) lanes, which is one of California's largest HOV lane networks. Orange County is the third most populous county in California, the sixth-most populous in the United States, and more populous than twenty-one U.S. states. Its county seat is Santa Ana. It is the second most densely populated county in the state.

The Mobility Performance quarterly analysis compares information from the most recent quarter and the previous 4 quarters, involving the following performance measures:

- Vehicle Miles of Travel (VMT)
- Vehicle Hours of Delay (VHD)
- o Lost Lane Miles (LLM)
- 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 Mobility Performance Report uses congestion at two speed thresholds: delay from vehicles traveling below 35 MPH and delay from vehicles traveling

below 60 MPH. The 35 MPH limit represents severe congestion while the 60 MPH limit represents light and heavy congestion. These thresholds/limits are set by Caltrans and are based upon engineering experience and District input.

### **FINDINGS**

In the 3<sup>rd</sup> quarter of 2024, total delay equaled to 1.6 million vehicle hours of delay (VHD) at the 35 MPH speed threshold and 5.2 million VHD at 60 MPH threshold. Compared to the previous quarter, there was a 3 percent increase in 35 MPH VHD and 4.2 percent increase in 60 MPH VHD.

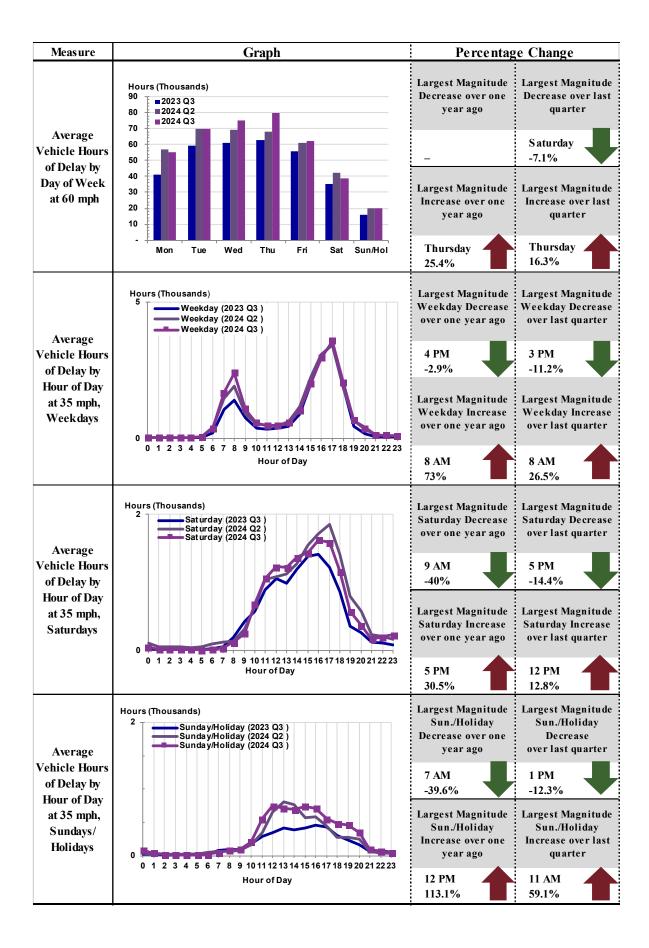
The average weekday VHD experienced in this quarter was approximately 21 thousand VHD at 35 MPH and 68 thousand VHD at 60 MPH. Compared to the previous quarter, there was 2 percent increase in 35 MPH VHD and 4.1 percent increase in 60 mph VHD.

Top 10 Bottlenecks for the 3<sup>rd</sup> Quarter of 2024

									#	Avg	Total	Total
					Abs	CA			Days	Extent	Delay	Duration
Co	Shift	Fwy	Dir	Name	PM	PM	Latitude	Longitude	Active	(Miles)	(veh-hrs)	(mins)
Ora	PM	SR55	N	TAFT	15.78	15.8	33.82	-117.83	63	3.10	41,931	13,525
Ora	PM	1405	Ν	BROOKHUR2	13.74	13.97	33.71	-117.96	63	1.75	36,477	13,140
Ora	AM	15	Ν	ALICIA 1	89.69	17.43	33.60	-117.69	63	1.94	35,840	9,575
Ora	AM	15	S	MAIN 1	105.19	33	33.77	-117.87	63	1.17	35,672	11,220
Ora	PM	15	Ν	ALICIA 1	89.69	17.43	33.60	-117.69	63	1.86	34,305	10,640
Ora	AM	1405	S	HARBOR 1	10.97	11.2	33.69	-117.92	51	1.99	28,099	5,050
Ora	PM	15	S	RED ROBIN	91.53	19.33	33.62	-117.71	62	1.10	25,668	8,965
Ora	PM	SR55	Ν	NEWPORT AVE OR MVDS	9.76	R9.755	33.73	-117.83	60	1.14	24,599	8,795
Ora	AM	15	S	CRESCENT	112.23	40.04	33.84	-117.95	54	1.82	24,144	5,220
Ora	AM	15	S	LA PALMA	113.17	40.98	33.85	-117.96	62	1.03	22,963	4,285

# 2024 Q3 Quarterly Mobility Statistics

Measure	Graph	Percentage Change				
	Miles (Billions) 6 2023 Q3 2024 Q2 2024 Q3	Over one year ago	Over last quarter			
Vehicle Miles of Travel (VMT)	3.4 3.34 3.38	-0.6%	1.1%			
Total Vehicle	Hours (Millions)  2 2 2024 Q2 1.5 1.6 2023 Q3 1 1.3	Over one year ago	Over last quarter			
Hours of Delay (VHD) at 35 mph		23%	3%			
Average Non- Holiday Weekday	Hours (Thousands)  25 2024 Q2 2023 Q3 20 17	Over one year ago	Over last quarter			
Vehicle Hours of Delay (VHD) at 35 mph	15 10 5 0	20.6%	2%			
Total Vehicle	Hours (Millions)	Over one year ago	Over last quarter			
Hours of Delay (VHD) at 60 mph	2023 Q3 4.3 2023 Q3 5 2024 Q2 5 5.2	20.5%	4.2%			
Average Non- Holiday	Hours (Thousands) 100 2024 Q2 2024 Q3	Over one year ago	Over last quarter			
Weekday Vehicle Hours of Delay	2023 Q3 56 65 68	20.9%	4.1%			
(VHD) at 60 mph	0	1	1			





Congestion by Route												
		Vehicle Hours of Delay at 35 mph				erence (3-2023 Q3	Difference 2024 Q3-2024 Q2		Rank			
Route	County	2023 Q3	2024 Q2	2024 Q3	Absolute	Percentage	Absolute	Percentage	2023 Q3	2024 Q2	2024 Q3	
15	Orange	311,771	393,874	489,680	177,909	57.1%	95,806	24.3%	2	1	1	
1405	Orange	352,817	316,926	323,925	-28,892	-8.2%	6,999	2.2%	1	2	2	
SR55	Orange	226,201	257,785	267,438	41,238	18.2%	9,653	3.7%	3	3	3	
SR91	Orange	189,339	213,216	234,496	45,157	23.8%	21,280	10.0%	4	5	4	
SR57	Orange	147,799	235,279	166,902	19,104	12.9%	-68,377	-29.1%	5	4	5	
SR22	Orange	22,738	84,025	64,475	41,737	183.6%	-19,550	-23.3%	6	6	6	
1605	Orange	16,983	20,236	22,561	5,578	32.8%	2,326	11.5%	7	7	7	
SR73	Orange	8,232	13,952	17,874	9,642	117.1%	3,922	28.1%	9	8	8	
SR241	Orange	16,088	9,474	4,886	-11,201	-69.6%	-4,588	-48.4%	8	9	9	
SR133	Orange	2,842	486	536	-2,306	-81.2%	50	10.3%	10	11	10	
SR261	Orange	241	800	201	-41	-16.9%	-599	-74.9%	11	10	11	
SR74	Orange	5	5	5	0	0.0%	0	0.0%	12	12	12	
SR142	Orange	3	3	3	0	0.0%	0	0.0%	13	13	13	
SR1	Orange	0	0	0	0		0				_	
TOTALS		1,295,059	1,546,059	1,592,982	297,923	23.0%	46,923	3.0%				