District 12 Mobility Performance Report

2024 4th Quarter

DEPARTMENT OF TRANSPORTATION

January 31, 2025 District 12 Traffic Operations Northwest **EXECUTIVE SUMMARY**

Overview

Mobility Performance Report | 1/31/2025

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 July 1, 2023, the total population estimate in Orange County was 3,135,755 per census.gov. 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.

2024 4th Ouarter

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)
- 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

District 12

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 4th quarter of 2024, total delay equaled to 1.8 million vehicle hours of delay (VHD) at the 35 MPH speed threshold and 5.4 million VHD at 60 MPH threshold. Compared to the previous quarter, there was a 11.8 percent increase in 35 MPH VHD and 4.1 percent increase in 60 MPH VHD

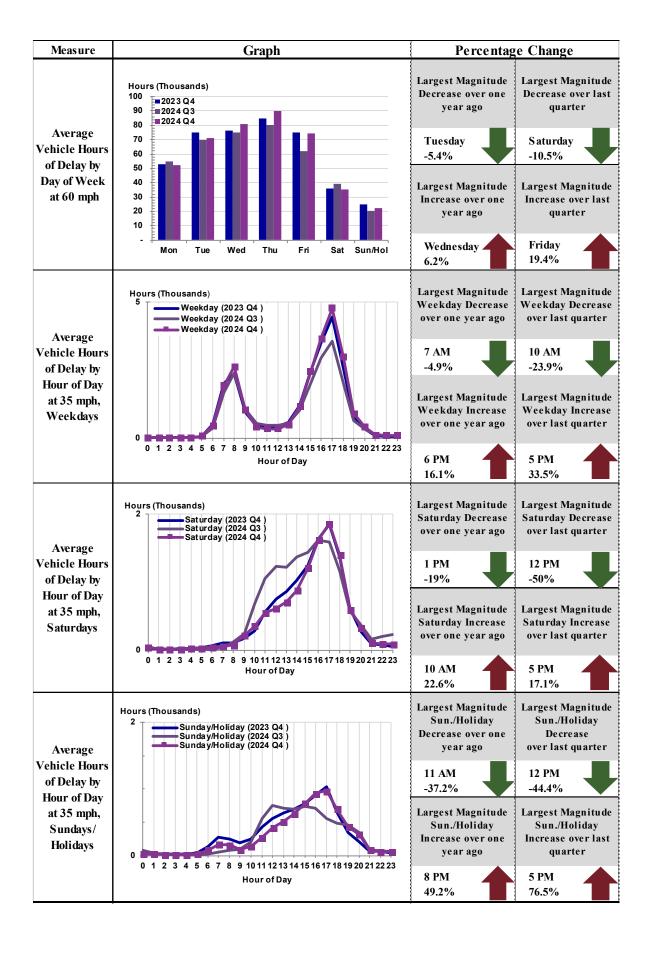
The average weekday VHD experienced in this quarter was approximately 25 thousand VHD at 35 MPH and 73 thousand VHD at 60 MPH. Compared to the previous quarter, there was 2 percent increase in 35 MPH VHD and 4.1 percent increase in 60 mph VHD.

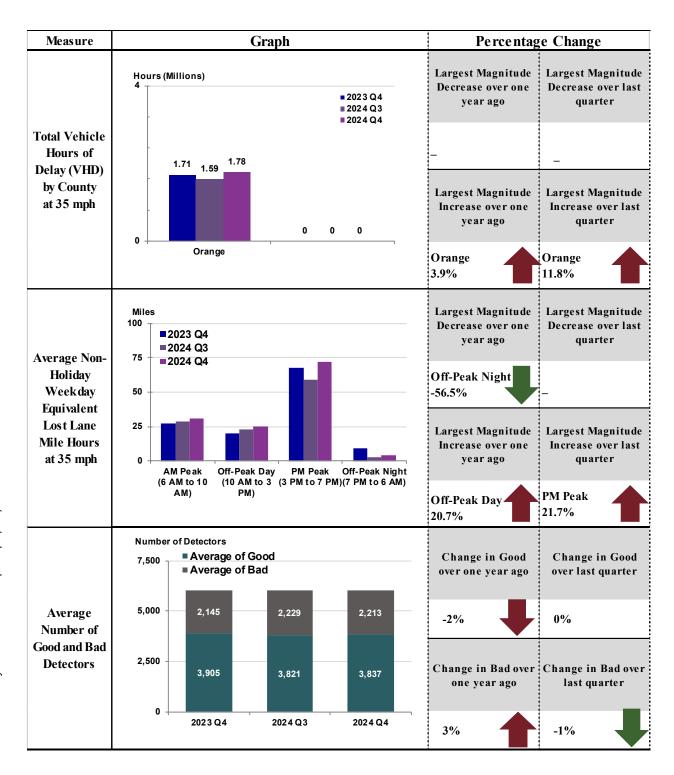
Top 10 Bottlenecks for the 4th Quarter of 2024

					Abs	CA			# Dovo	Avg Extent	Total Delay	Total Duration
Co	Shift	Fwv	Dir	Name	PM	PM	Latitude	Longitude	•	(Miles)	(veh-hrs)	(mins)
Ora	PM	SR55	N	TAFT	15.78	15.8	33.82	-117.83	60	3.19	58,994	14,705
Ora	PM	SR55	Ν	NEWPORT AVE OR MVDS	9.76	R9.755	33.73	-117.83	59	1.72	38,707	10,725
Ora	PM	1405	Ν	BROOKHUR2	13.74	13.97	33.71	-117.96	61	1.66	35,168	11,665
Ora	AM	15	S	MAIN 1	105.19	33	33.77	-117.87	58	1.11	34,787	9,945
Ora	AM	1405	S	HARBOR 1	10.97	11.2	33.69	-117.92	44	2.03	27,573	4,215
Ora	PM	SR55	Ν	LINCOLN 2	17.10	17.12	33.84	-117.83	48	2.06	26,950	8,690
Ora	PM	15	S	RED ROBIN	91.53	19.33	33.62	-117.71	57	1.10	24,222	8,835
Ora	AM	1405	S	WARNER	14.49	14.72	33.71	-117.97	54	1.32	23,679	8,175
Ora	PM	15	Ν	CULVER 1	98.82	R26.56	33.71	-117.78	43	2.03	21,879	9,495
Ora	PM	15	Ν	YALE	98.06	R25.8	33.70	-117.77	55	0.82	20,143	7,255

2024 Q4 Quarterly Mobility Statistics

Measure	Graph	Percentage Change			
	Miles (Billions)	Over one year ago	Over last quarter		
Vehicle Miles of Travel (VMT)	2023 Q4 2024 Q3 2024 Q4 3.33 3.38 3.34	0.3%	-1%		
Total Vehicle	Hours (Millions) 2 2023 Q4 1.7 2024 Q4 1.8	Over one year ago	Over last quarter		
Hours of Delay (VHD) at 35 mph	1 - 1	3.9%	11.8%		
Average Non- Holiday Weekday	Hours (Thousands) 30 2023 Q4 25 23 2024 Q4 25 21	Over one year ago	Over last quarter		
Vehicle Hours of Delay (VHD) at 35 mph	20 15 10 5	4.7%	19.3%		
Total Vehicle	Hours (Millions)	Over one year ago	Over last quarter		
Hours of Delay (VHD) at 60 mph	2023 Q4 2024 Q3 2024 Q4 5.4 5.2 5.4	0.1%	4.1%		
Average Non- Holiday	Hours (Thousands) 100 2023 Q4 73 2024 Q3 73	Over one year ago	Over last quarter		
Weekday Vehicle Hours of Delay (VHD)	68	0.4%	7.8%		
at 60 mph	0				





Congestion by Route											
			e Hours of at 35 mph	-		erence (4-2023 Q4		erence (4-2024 Q3	Rank		
Route	County	2023 Q4	2024 Q3	2024 Q4	Absolute	Percentage	Absolute	Percentage	2023 Q4	2024 Q3	2024 Q4
1405	Orange	395,101	323,925	476,511	81,411	20.6%	152,587	47.1%	2	2	1
15	Orange	424,171	489,680	429,484	5,313	1.3%	-60,195	-12.3%	1	1	2
SR55	Orange	218,522	267,438	277,698	59,176	27.1%	10,260	3.8%	4	3	3
SR91	Orange	335,903	234,496	262,799	-73,104	-21.8%	28,303	12.1%	3	4	4
SR57	Orange	193,305	166,902	180,345	-12,959	-6.7%	13,443	8.1%	5	5	5
SR22	Orange	78,028	64,475	78,656	628	0.8%	14,181	22.0%	6	6	6
SR73	Orange	18,697	17,874	43,194	24,497	131.0%	25,320	141.7%	9	8	7
1605	Orange	27,056	22,561	28,303	1,246	4.6%	5,741	25.4%	7	7	8
SR133	Orange	1,343	536	4,074	2,730	203.2%	3,538	660.7%	10	10	9
SR241	Orange	22,686	4,886	448	-22,238	-98.0%	-4,438	-90.8%	8	9	10
SR261	Orange	158	201	106	-52	-33.1%	-95	-47.3%	11	11	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		1,714,979	1,592,982	1,781,626	66,648	3.9%	188,644	11.8%		•	