District 11
Mobility Performance Report

2024 Second Quarter

DEPARTMENT OF TRANSPORTATION

July 29, 2024

: District 11- Traffic System Performance

District 11 Mobility Performance Report

2024 Second Quarter

EXECUTIVE SUMMARY

Overview

Caltrans District 11 consists of both the Imperial and San Diego counties, with San Diego having a population of approximately 3,269,973 residents and Imperial County with approximately 179,057 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))
- 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 total congestion. These thresholds are set by Caltrans and are based upon engineering experience and District input.

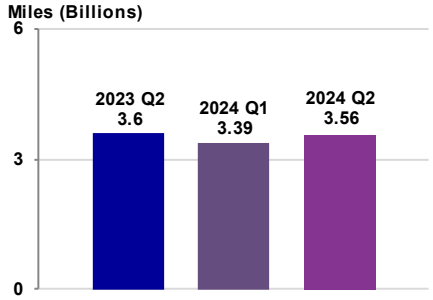
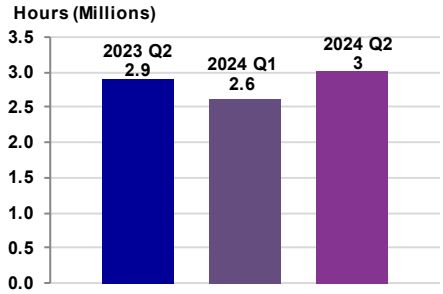
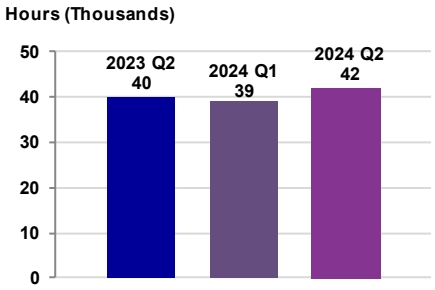
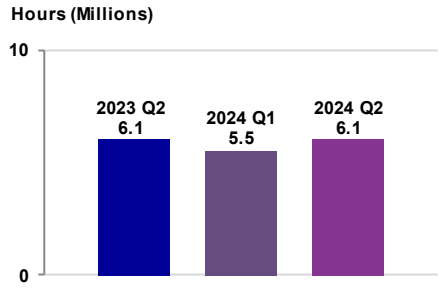
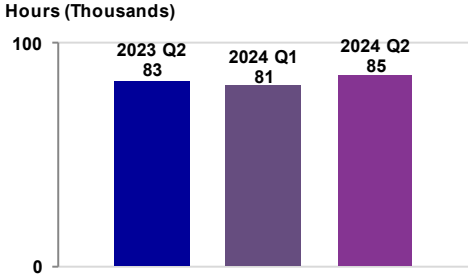
FINDINGS

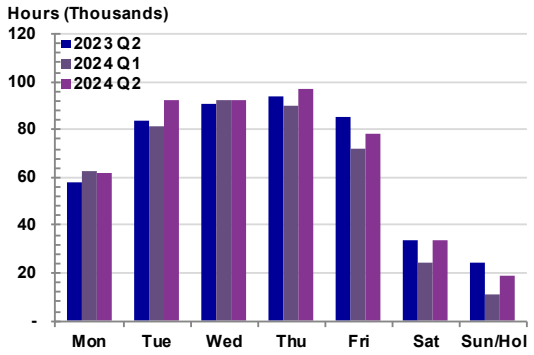
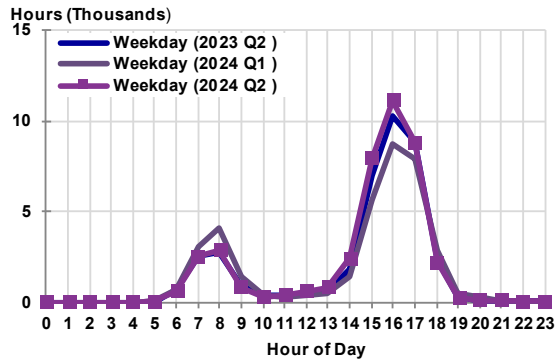
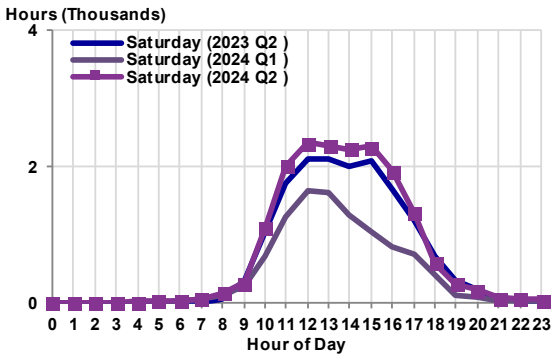
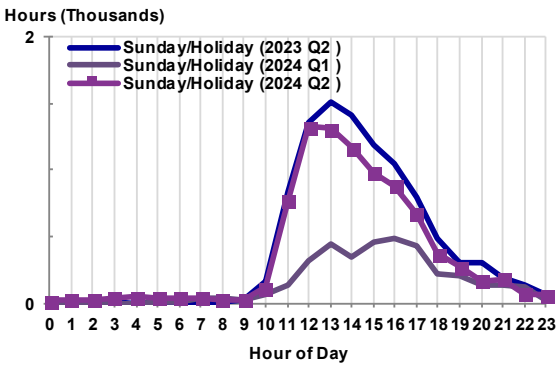
In the second quarter of 2024, total delay equaled 3.0 million vehicle hours of delay (VHD) at the 35 mph speed threshold, and 6.1 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 42 thousand VHD at 35 mph, and 85 thousand VHD at 60 mph.

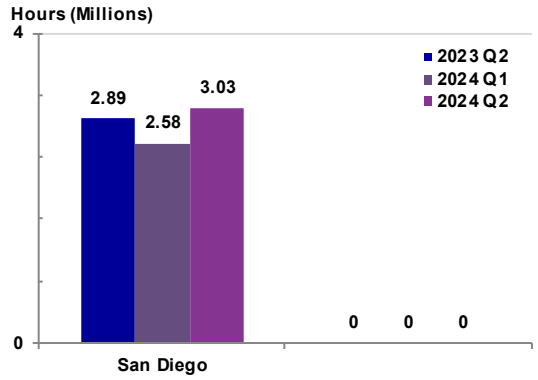
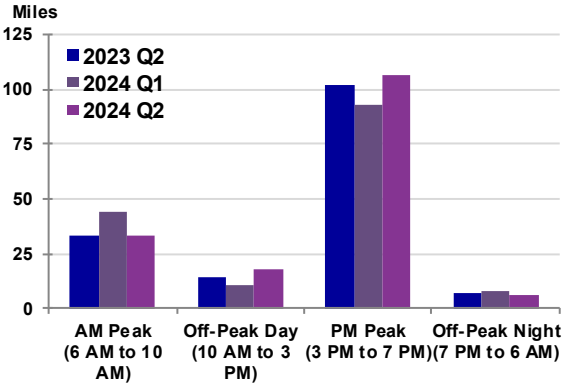
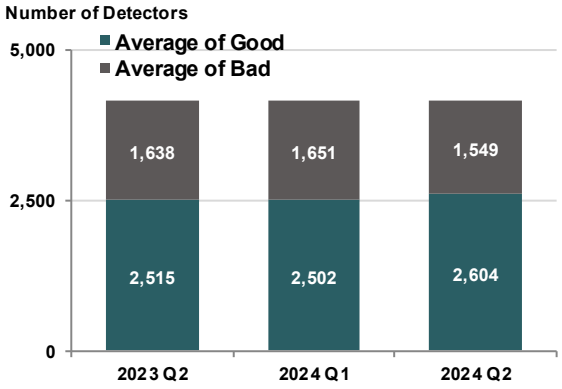
Top Ten Bottlenecks for the 2024 Second Quarter:

County	Shift	Fwy	Direction	Name	Abs PM	CA PM	Latitude	Longitude	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
San Diego	PM	I805-S	S	805 SB N-O 15	15.23	15.38	32.74	-117.12	63	6.97	238,824.60	11,720.00
San Diego	PM	I15-N	N	15 NB S-O El Norte Pkwy	32.88	32.62	33.14	-117.10	63	5.50	203,978.00	13,480.00
San Diego	PM	I5-N	N	Lomas Santa Fe Dr EB to 5 NB	37.28	37.386	33.00	-117.26	35	6.72	118,994.00	6,275.00
San Diego	PM	I15-N	N	15 NB HOV S-O Rte 78	31.16	30.9	33.12	-117.10	63	5.55	89,625.10	12,920.00
San Diego	PM	SR78-E	E	Twin Oaks Vlly Rd to 78 EB	12.98	12.988	33.14	-117.16	63	3.60	85,542.10	10,905.00
San Diego	PM	SR125-S	S	Grossmont Blvd to 125 SB	1.83	0	32.59	-116.97	63	4.20	82,305.10	10,475.00
San Diego	PM	I5-S	S	5th Ave to 5 SB	16.00	16.11	32.72	-117.16	62	2.36	74,488.20	7,500.00
San Diego	PM	I5-S	S	5 SB S-O Clairmont Dr	21.37	21.475	32.78	-117.21	54	5.57	59,966.40	4,585.00
San Diego	PM	SR163-N	N	163 NB S-O I-8	2.79	3.34	32.76	-117.16	63	2.90	56,603.50	10,475.00
San Diego	PM	I5-N	N	Carmel Valley Rd to 5 NB	32.79	32.902	32.93	-117.24	63	3.42	55,558.20	11,110.00

Quarterly Mobility Statistics

Measure	Graph	Percentage Change	
		Over one year ago	Over last quarter
Vehicle Miles of Travel (VMT)		-1%	5.1%
Total Vehicle Hours of Delay (VHD) at 35 mph		4.7%	17.3%
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph		6.5%	10%
Total Vehicle Hours of Delay (VHD) at 60 mph		-0.2%	10.8%
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph		2.3%	5.3%

Measure	Graph	Percentage Change	
Average Vehicle Hours of Delay by Day of Week at 60 mph		Largest Magnitude Decrease over one year ago Friday -8.8%	Largest Magnitude Decrease over last quarter Monday -0.9%
		Largest Magnitude Increase over one year ago Tuesday 8.5%	Largest Magnitude Increase over last quarter Saturday 44.8%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Weekday Decrease over one year ago 6 PM -3.9%	Largest Magnitude Weekday Decrease over last quarter 8 AM -30.4%
		Largest Magnitude Weekday Increase over one year ago 3 PM 13.5%	Largest Magnitude Weekday Increase over last quarter 4 PM 27.2%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Saturdays		Largest Magnitude Saturday Decrease over one year ago 6 PM -12.9%	Largest Magnitude Saturday Decrease over last quarter 12 AM -31.3%
		Largest Magnitude Saturday Increase over one year ago 4 PM 15.3%	Largest Magnitude Saturday Increase over last quarter 3 PM 123.6%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Sundays/ Holidays		Largest Magnitude Sun./Holiday Decrease over one year ago 2 PM -16.7%	Largest Magnitude Sun./Holiday Decrease over last quarter 10 PM -41.3%
		Largest Magnitude Sun./Holiday Increase over one year ago 4 AM 948.1%	Largest Magnitude Sun./Holiday Increase over last quarter 12 PM 318.3%

Measure	Graph	Percentage Change	
Total Vehicle Hours of Delay (VHD) by County at 35 mph		Largest Magnitude Decrease over one year ago –	Largest Magnitude Decrease over last quarter –
		Largest Magnitude Increase over one year ago San Diego 4.7%	Largest Magnitude Increase over last quarter San Diego 17.3%
Average Non-Holiday Weekday Equivalent Lost Lane Mile Hours at 35 mph		Largest Magnitude Decrease over one year ago Off-Peak Night -9.4%	Largest Magnitude Decrease over last quarter AM Peak -25.7%
		Largest Magnitude Increase over one year ago PM Peak 4.3%	Largest Magnitude Increase over last quarter PM Peak 13.7%
Average Number of Good and Bad Detectors		Change in Good over one year ago 4%	Change in Good over last quarter 4.1%
		Change in Bad over one year ago -5%	Change in Bad over last quarter -6%

Congestion by Route											
		Vehicle Hours of Delay at 35 mph			Difference 2024 Q2-2023 Q2		Difference 2024 Q2-2024 Q1		Rank		
Route	County	2023 Q2	2024 Q1	2024 Q2	Absolute	Percentage	Absolute	Percentage	2023 Q2	2024 Q1	2024 Q2
I5	San Diego	877,696	758,686	1,065,860	188,164	21.4%	307,174	40.5%	1	1	1
I15	San Diego	600,168	596,509	881,691	281,523	46.9%	285,182	47.8%	2	2	2
I805	San Diego	503,976	444,297	412,368	-91,608	-18.2%	-31,929	-7.2%	3	3	3
SR78	San Diego	183,364	239,634	192,861	9,497	5.2%	-46,773	-19.5%	5	4	4
SR52	San Diego	110,597	113,019	141,853	31,256	28.3%	28,834	25.5%	7	6	5
I8	San Diego	145,675	146,225	123,796	-21,879	-15.0%	-22,429	-15.3%	6	5	6
SR56	San Diego	53,573	66,438	61,101	7,528	14.1%	-5,337	-8.0%	9	8	7
SR125	San Diego	288,991	67,558	56,797	-232,194	-80.3%	-10,761	-15.9%	4	7	8
SR163	San Diego	81,501	55,988	42,246	-39,255	-48.2%	-13,742	-24.5%	8	9	9
SR94	San Diego	28,958	40,501	24,955	-4,002	-13.8%	-15,546	-38.4%	10	11	10
I905	San Diego	14,614	41,329	23,475	8,861	60.6%	-17,854	-43.2%	11	10	11
SR67	San Diego	2,723	5,371	3,744	1,021	37.5%	-1,627	-30.3%	12	13	12
SR11	San Diego	5	49	86	81	1580.4%	37	75.6%	14	14	13
SR54	San Diego	1,757	7,642	0	-1,757	-100.0%	-7,642	-100.0%	13	12	
SR76	San Diego	0	10	0	0		-10	-100.0%		15	
TOTALS		**2,893,596**	**2,583,255**	**3,030,833**	**137,237**	**4.7%**	**447,578**	**17.3%**			