District 11
Mobility Performance Report

2024 Third Quarter

DEPARTMENT OF TRANSPORTATION

October 29, 2024

: District 11- Traffic System Performance

District 11 Mobility Performance Report

2024 Third 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.

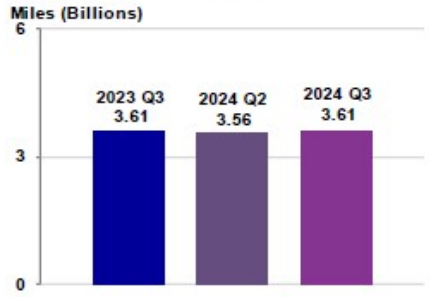
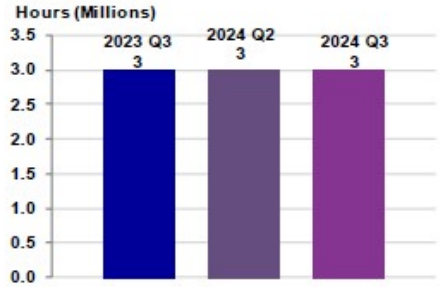
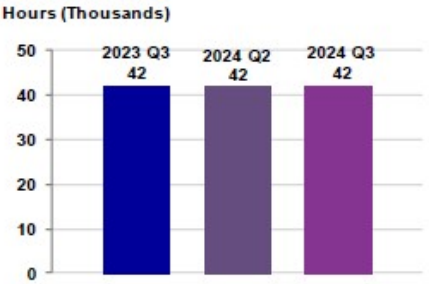
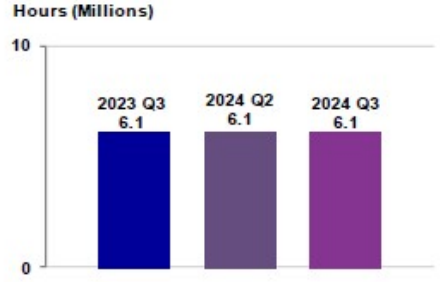
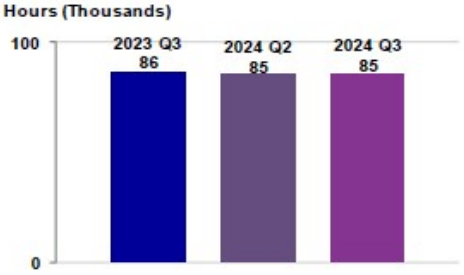
FINDINGS

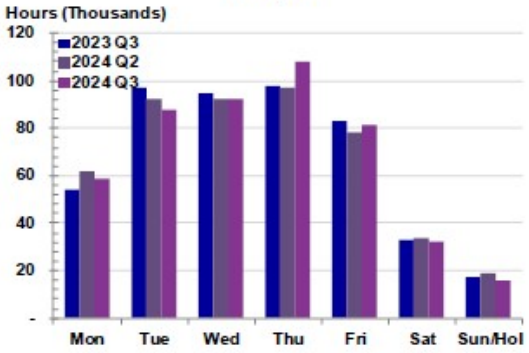
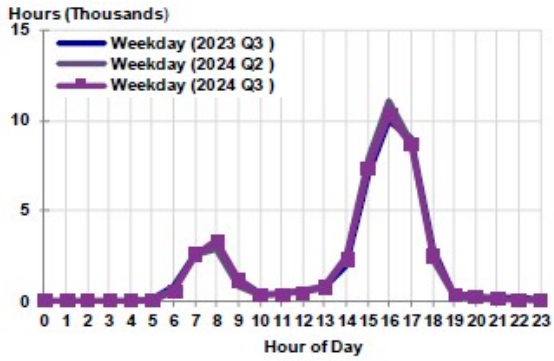
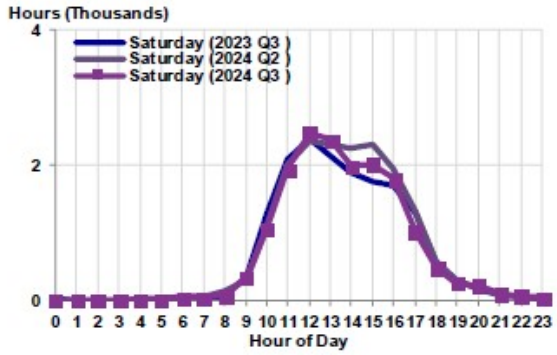
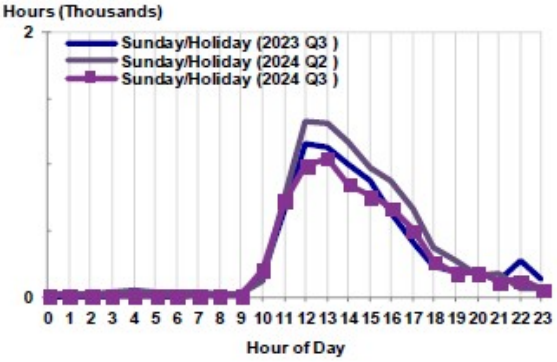
In the third quarter of 2024, total delay equaled 3.0 million vehicle hours of delay (VHD) at the 35 mph speed threshold, and 6.1 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 42 thousand VHD at 35 mph, and 85 thousand VHD at 60 mph.

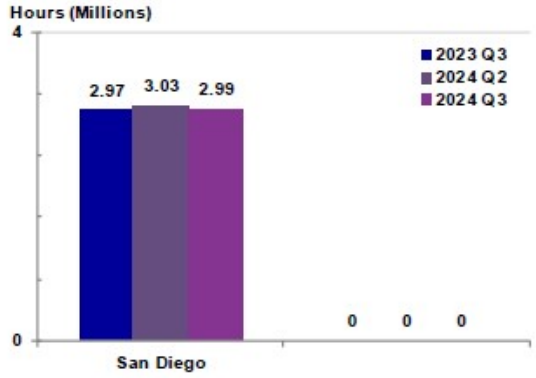
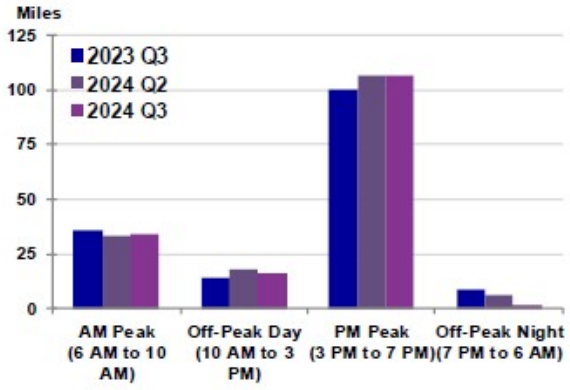
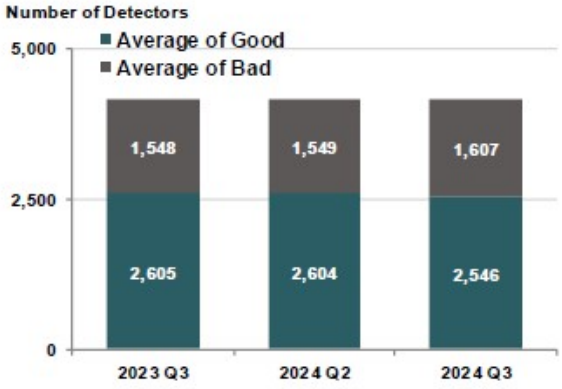
Top Ten Bottlenecks for the 2024 Third Quarter:

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	7.45	236,861.80	12,335.00
San Diego	PM	I5-N	N	Lomas Santa Fe Dr EB to 5 NB	37.28	37.386	33.00	-117.26	41	6.65	129,932.10	7,120.00
San Diego	PM	I5-S	S	5th Ave to 5 SB	16.00	16.11	32.72	-117.16	63	2.53	94,131.50	9,065.00
San Diego	PM	I15-N	N	15 NB S-O El Norte Pkwy	32.68	32.62	33.14	-117.10	30	5.32	84,192.20	5,965.00
San Diego	PM	SR125-S	S	Grossmont Blvd to 125 SB	1.83	0	32.59	-116.97	64	4.20	81,994.10	10,540.00
San Diego	PM	I15-N	N	15 NB HOV S-O Rte 78	31.16	30.9	33.12	-117.10	63	4.86	79,588.20	12,775.00
San Diego	PM	I5-N	N	5 NB N-O Via De La Valle	36.72	36.828	32.99	-117.26	36	4.58	76,489.70	4,540.00
San Diego	PM	I15-N	N	15 NB S-O Rte 78	31.65	31.396	33.13	-117.10	55	3.08	75,733.50	6,695.00
San Diego	PM	I15-S	S	15 SB S-O Balboa Ave	8.83	8.662	32.81	-117.11	59	3.00	62,825.20	5,745.00
San Diego	PM	SR163-N	N	163 NB S-O I-8	2.79	3.34	32.76	-117.16	64	2.90	56,389.00	10,540.00

Quarterly Mobility Statistics

Measure	Graph	Percentage Change	
		Over one year ago	Over last quarter
Vehicle Miles of Travel (VMT)		0.1%	1.4%
Total Vehicle Hours of Delay (VHD) at 35 mph		0.5%	-1.5%
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph		-0.1%	-1.7%
Total Vehicle Hours of Delay (VHD) at 60 mph		0.1%	0.7%
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph		-0.5%	0.4%

Measure	Graph	Percentage Change	
Average Vehicle Hours of Delay by Day of Week at 60 mph		Largest Magnitude Decrease over one year ago Tuesday -9.4%	Largest Magnitude Decrease over last quarter Tuesday -4.4%
		Largest Magnitude Increase over one year ago Thursday 10.1%	Largest Magnitude Increase over last quarter Thursday 11.5%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Weekdays		Largest Magnitude Weekday Decrease over one year ago 5 PM -4.1%	Largest Magnitude Weekday Decrease over last quarter 4 PM -7.3%
		Largest Magnitude Weekday Increase over one year ago 2 PM 19.4%	Largest Magnitude Weekday Increase over last quarter 8 AM 16.8%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Saturdays		Largest Magnitude Saturday Decrease over one year ago 5 PM -21.6%	Largest Magnitude Saturday Decrease over last quarter 5 PM -23%
		Largest Magnitude Saturday Increase over one year ago 3 PM 14.9%	Largest Magnitude Saturday Increase over last quarter 12 PM 5.8%
Average Vehicle Hours of Delay by Hour of Day at 35 mph, Sundays/ Holidays		Largest Magnitude Sun./Holiday Decrease over one year ago 12 PM -14.3%	Largest Magnitude Sun./Holiday Decrease over last quarter 12 PM -24.9%
		Largest Magnitude Sun./Holiday Increase over one year ago 5 PM 25.5%	Largest Magnitude Sun./Holiday Increase over last quarter 10 AM 69%

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 San Diego -1.5%
		Largest Magnitude Increase over one year ago San Diego 0.5%	Largest Magnitude Increase over last quarter –
Average Non-Holiday Weekday Equivalent Lost Lane Mile Hours at 35 mph		Largest Magnitude Decrease over one year ago Off-Peak Night -79.7%	Largest Magnitude Decrease over last quarter Off-Peak Nig -70.1%
		Largest Magnitude Increase over one year ago PM Peak 5.9%	Largest Magnitude Increase over last quarter AM Peak 2.6%
Average Number of Good and Bad Detectors		Change in Good over one year ago -2%	Change in Good over last quarter -2.2%
		Change in Bad over one year ago 4%	Change in Bad over last quarter 4%

Congestion by Route											
		Vehicle Hours of Delay at 35 mph			Difference 2024 Q3-2023 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
I5	San Diego	937,300	1,065,860	1,079,471	142,172	15.2%	13,611	1.3%	1	1	1
I15	San Diego	613,563	881,691	734,798	121,235	19.8%	-146,893	-16.7%	2	2	2
I805	San Diego	516,795	412,368	485,740	-31,054	-6.0%	73,373	17.8%	3	3	3
I8	San Diego	134,200	123,796	187,866	53,666	40.0%	64,071	51.8%	6	6	4
SR78	San Diego	213,155	192,861	186,378	-26,776	-12.6%	-6,483	-3.4%	5	4	5
SR52	San Diego	34,991	141,853	80,708	45,717	130.7%	-61,145	-43.1%	9	5	6
SR56	San Diego	57,582	61,101	69,573	11,991	20.8%	8,472	13.9%	8	7	7
SR125	San Diego	308,043	56,797	56,952	-251,091	-81.5%	155	0.3%	4	8	8
SR163	San Diego	88,061	42,246	53,371	-34,690	-39.4%	11,125	26.3%	7	9	9
SR94	San Diego	33,881	24,955	32,518	-1,363	-4.0%	7,563	30.3%	10	10	10
I905	San Diego	20,945	23,475	13,675	-7,271	-34.7%	-9,800	-41.7%	11	11	11
SR67	San Diego	3,468	3,744	4,504	1,036	29.9%	760	20.3%	13	12	12
SR11	San Diego	12	86	57	45	375.6%	-29	-34.0%	15	13	13
SR54	San Diego	6,905	0	0	-6,905	-100.0%	0		12		
SR76	San Diego	430	0	0	-430	-100.0%	0		14		
TOTALS		**2,969,329**	**3,030,833**	**2,985,611**	**16,282**	**0.5%**	**-45,222**	**-1.5%**			