

Department of Public Works Division of Transportation & Traffic

Eastbound Tasman Drive Lane Closure Data Collection Results

Temporary Lane Closure Traffic Monitoring Methodology

Monitoring Activities:

- During first month after lane closure implementation
 - Monitor PM peak hour 5 to 6 pm on a weekly basis on Wednesdays to ensure eastbound Tasman traffic is not impacting intersection operations and causing excessive delays for Fair Oaks traffic.
- Second month after lane closure implementation
 - Monitor PM peak hour 5 to 6 pm on a biweekly basis on Wednesdays to ensure eastbound Tasman traffic is not impacting intersection operations and causing excessive delays for Fair Oaks traffic.
- Weekly activities throughout duration of lane closure
 - Set up automated detection zone using existing video detection camera for NBRT on Fair Oaks to trigger alarm if vehicles are experiencing more than 8 seconds delay (8 seconds is typically used in warrant studies to determine delay).
 - Monitor vehicular travel speed along eastbound Tasman from Fair Oaks to Vienna using Velocity Bluetooth Travel Time system to determine if travel speeds fall below 25 mph.
 - Field condition observations utilizing PTZ camera when occupancy detection zone triggers alarm.
 - Collect vehicular, bike and pedestrian counts on Tasman between Fair Oaks and Vienna to determine when traffic is starting to return to normal for a minimum of three times during the lane closure period.

Traffic Volume Comparison

Vehicular Volume along Tasman Drive between Fair Oaks Avenue to Vienna Drive

Location	Average Daily Traffic (Weekday)	Date
EB Tasman Turning Movement Count – DKS Data Collection Traffic Signal Retiming Project PASS-2015	7,853	10/21/2015
EB Tasman City Data Collection	3,569	09/29/2020
	3,588	03/23/2021
	3,702	06/16/2021
	3,620	Average

Pedestrian Volume - Weekday

Location	Total per Day (Weekday)	Date
EB Tasman City Data Collection	19	09/30/2020
	9	10/21/2020
	24	03/24/2021
	34	03/31/2021
	30	06/16/2021
	23	Average

Pedestrian Volume - Weekend

Location	Total per Day Saturday	Total per Day Sunday	Date
EB Tasman City Data Collection	12	15	10/24 & 10/25/2020
	29	28	3/27 & 3/28/2021
	22	25	4/3 & 4/4/2021
	14	21	6/19/ & 6/20/2021
	21		Average

Bicycle Volume - Weekday

Location	Total per Day (Weekday)	Date
EB Tasman STRAVA-Metro Data	5	03/15-16/2019
EB Tasman City Data Collection	12	09/30/2020
	16	10/21/2020
	15	03/24/2021
	12	03/31/2021
	20	06/16/2021
	15	Average

Bicycle Volume - Weekend

Location	Total per Day Saturday	Total per Day Sunday	Date
EB Tasman City Data Collection	17	10	10/24 & 10/25/2020
	17	12	3/27 & 3/28/2021
	15	10	4/3 & 4/4/2021
	19	18	6/19/ & 6/20/2021
	15		Average

Vehicular Speed (City's Travel Time System)

	Average Speed (mph)	Date
Posted Speed Limit	40	

EB Tasman Drive Average Speed Data – DKS Data Collection Traffic Signal Retiming Project PASS-2015	33	10/21/2015
Average Speed for EB Tasman between Fair Oaks and Vienna	31	04/16/2019
	32	09/23/2020
	32	10/21/2020
	32	03/24/2021
	33	03/31/2021
	33	06/16/2021
	32	Average
EB Tasman Drive 85% Speed Data – DKS Data Collection Traffic Signal Retiming Project PASS-2015	39	10/21/2015
85th Speed for EB Tasman between Fair Oaks and Vienna	42	04/16/2019
	37	09/23/2020
	39	10/21/2020
	39	03/24/2021
	40	03/31/2021
	38	06/16/2021
	39	Average

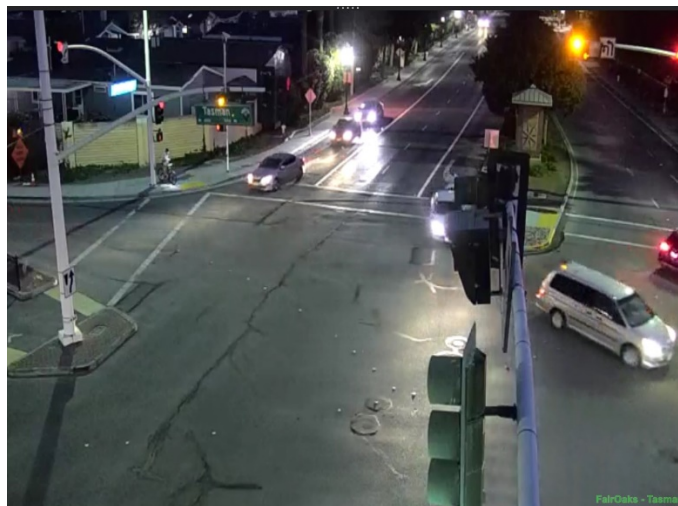
Northbound Right Turn Traffic at Fair Oaks Avenue and Tasman Drive



09/22/2020 (05:28 pm)



10/08/2020 (07:06 pm)



03/03/2021 (05:47 pm)