

SAM2 Report Summary
High Road, Saddlebow (Lynn end)
5th November to 3rd December 2025

General Information

Traffic Report From 05/11/2025 14:00:00 through 03/12/2025 06:59:59

85th Percentile Speed = 31.0 MPH

85th Percentile Vehicles = 27,755 counts

Max Speed = 55.0 MPH on 06/11/2025 22:35:00

Total Vehicles = 32,653 counts

AADT: 1178.5

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,234	1,133
AM Peak	11:00 to 12:00	79	80
PM Peak	16:00 to 17:00	144	124

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 31.0 MPH

50th Percentile Speed: 26.4 MPH

10 MPH Pace Interval: 20.0 MPH to 30.0 MPH

Average Speed: 26.1 MPH

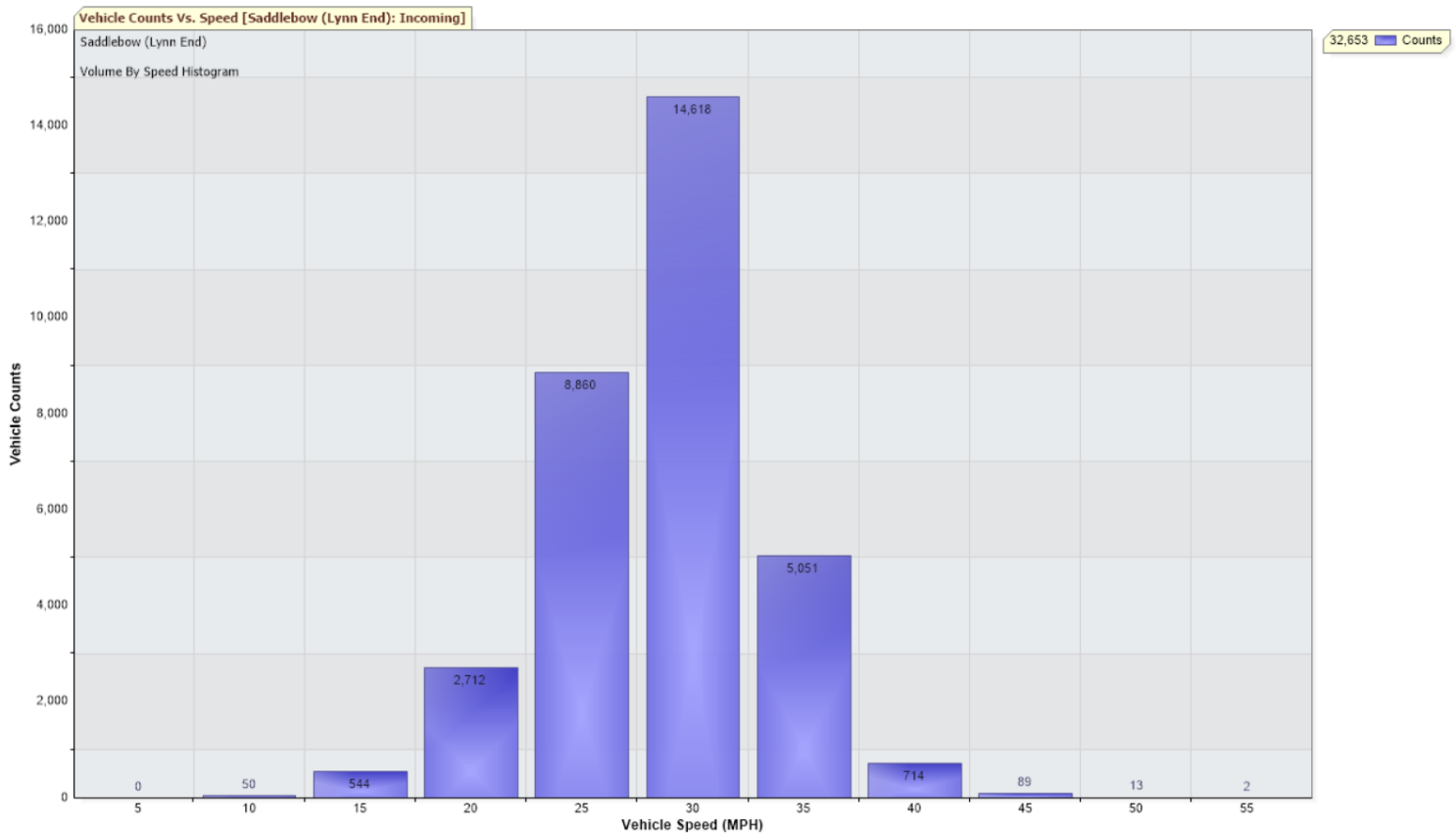
The 85th percentile can be used to determine speed limits for roads. This is based on the theory that most drivers are reasonable and do not want to get in an accident, but do want to get to their destination as quickly as possible. Therefore, a speed at which 85 percent of people drive is figured to be the highest safe speed for that road (Road Safety GB, 2025)

- The data will have been effected by the roadworks and traffic lights that were put in place not long after the SAM2 installation date and were present for approximately 2 weeks.
- The above information indicates that **85%** of total vehicles drove at a the 85th percentile speed of 31mph which is only very slightly above the speed limit indicating good compliance.
- The maximum recorded speed is slightly concerning and on a total of 15 occassions through the capture period was a speed over 50mph recorded.

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Counts

The below graph shows the number of vehicles (vertical) against the speed that they are travelling (horizontal).



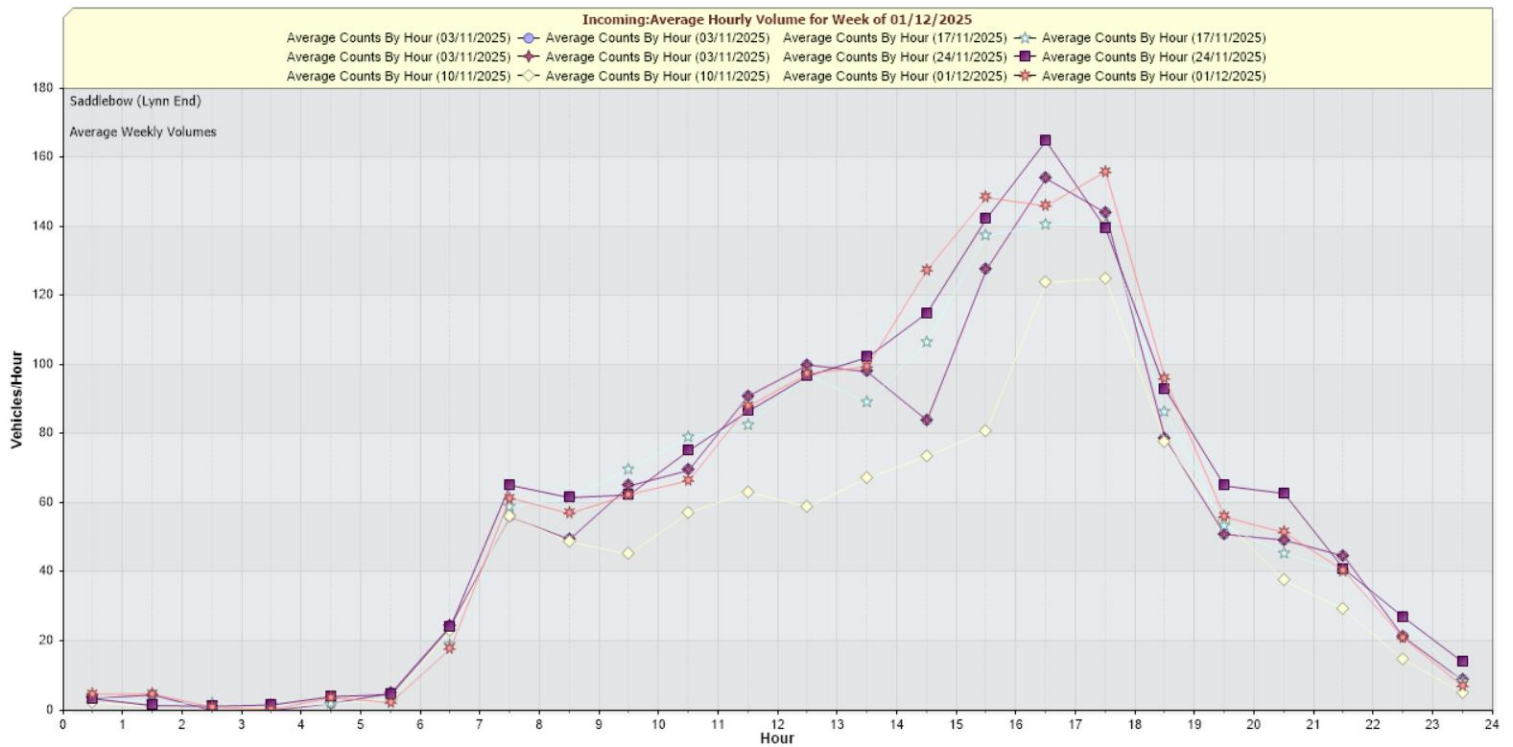
- The chart shows that 18% of vehicles (5869/32653) were travelling over the 30mph during the measurement period.
 - The true number may be higher when a capture period takes place without the presence of roadworks
- The majority of vehicles during this period drove at the speed limit or below

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The below graph plots the average number of vehicle counts per hour (vertical) against the time of day (horizontal)



- The peak vehicle counts for the road are typically between 1500-1800 which would be consistent with rush hour traffic
 - There is also a significant increase in traffic between 0600 and 0800 that also supports this

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Speeders

The left chart shows the count of speeders per day and hour and the right hand chart shows the average speed of speeders on each day per hour.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	2	1	6	5	9	11	13	4.6	12	34.6
1 - 2	1	1	2	4	2	12	5	2	8.5	33.9
2 - 3	0	1	3	4	2	5	4	2	4.5	33.8
3 - 4	0	2	1	0	0	1	6	0.6	3.5	30
4 - 5	0	8	8	5	3	2	3	4.8	2.5	35
5 - 6	4	3	7	5	11	0	4	6	2	34.2
6 - 7	10	9	15	22	13	5	5	13.8	5	30.9
7 - 8	42	37	48	54	58	16	5	47.8	10.5	32
8 - 9	27	19	34	49	38	35	8	33.4	21.5	30.7
9 - 10	16	30	39	37	31	34	24	30.6	29	30.4
10 - 11	25	21	37	49	23	56	37	31	46.5	29.9
11 - 12	35	25	38	71	44	62	60	42.6	61	30.4
12 - 13	22	31	43	62	69	76	62	45.4	69	30.3
13 - 14	24	24	43	57	60	59	76	41.6	67.5	29.9
14 - 15	39	41	60	57	62	43	64	51.8	53.5	30.2
15 - 16	49	42	70	68	66	42	75	59	58.5	29.9
16 - 17	34	54	96	90	70	50	51	68.8	50.5	29.7
17 - 18	53	47	83	80	86	50	44	69.8	47	30
18 - 19	46	37	64	80	63	57	42	58	49.5	31.2
19 - 20	35	34	50	60	44	37	34	44.6	35.5	31.9
20 - 21	26	54	41	48	55	20	31	44.8	25.5	32.6
21 - 22	17	36	47	37	54	22	12	38.2	17	32.6
22 - 23	15	18	31	32	35	24	16	26.2	20	33.2
23 - 24	6	10	14	8	13	23	8	10.2	15.5	33.2
Totals	528	585	880	984	911	742	689			
% of Total	9.9%	11%	16.5%	18.5%	17.1%	13.9%	13%			

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	35	32.5	34.2	33.5	33.6	33.9	34.4	33.8	34.2	34.6
1 - 2	32.5	32.5	35	33.8	32.5	32.5	32.5	33.5	32.5	33.9
2 - 3	0	32.5	32.5	36.3	32.5	35.5	33.8	34	34.7	33.8
3 - 4	0	35	37.5	0	0	32.5	35	35.8	34.6	30
4 - 5	0	33.1	35	32.5	34.2	32.5	35.8	33.8	34.5	35
5 - 6	33.8	32.5	33.9	35.5	33	0	32.5	33.7	32.5	34.2
6 - 7	33	33.1	32.8	34.3	32.9	33.5	32.5	33.4	33	30.9
7 - 8	33	32.8	33	33.3	32.7	35	35.5	33	35.1	32
8 - 9	33.2	32.5	32.9	33.1	32.8	34.6	33.1	32.9	34.4	30.7
9 - 10	32.8	32.7	33.3	33.4	33.5	33.1	33.5	33.2	33.3	30.4
10 - 11	33.1	33.5	33.2	32.8	33.2	33	34	33.1	33.4	29.9
11 - 12	33.1	33.5	33.2	33	33.3	33.2	33.8	33.2	33.5	30.4
12 - 13	34.3	33.1	32.8	33.1	32.8	33.2	33.1	33.1	33.2	30.3
13 - 14	33.5	34.2	33.1	33	32.9	33.7	33.1	33.2	33.4	29.9
14 - 15	33.5	33.4	33.1	32.9	33.1	33.2	33.4	33.1	33.3	30.2
15 - 16	32.9	33	32.9	33.1	32.7	33.6	33	32.9	33.2	29.9
16 - 17	32.9	33.4	33	32.9	32.9	33	33.6	33	33.3	29.7
17 - 18	32.9	33.8	33	33.5	33.1	33.3	34.1	33.2	33.7	30
18 - 19	32.9	33.6	33.7	33.6	33.2	33.3	33.3	33.4	33.3	31.2
19 - 20	33.8	33.1	33.7	33	33.4	32.8	34.7	33.4	33.7	31.9
20 - 21	33.8	34.8	33	33	33.8	34.8	33.8	33.7	34.2	32.6
21 - 22	33.1	32.9	34.2	33.3	33.5	33	33.8	33.5	33.2	32.6
22 - 23	34.2	34.4	33.8	34.1	33.2	34	33.4	33.8	33.8	33.2
23 - 24	34.2	34	34.3	33.8	33.3	34	35	33.9	34.3	33.2
Totals	33.3	33.4	33.3	33.2	33.1	33.4	33.6			
% of Total	14.3%	14.3%	14.3%	14.2%	14.2%	14.3%	14.4%			

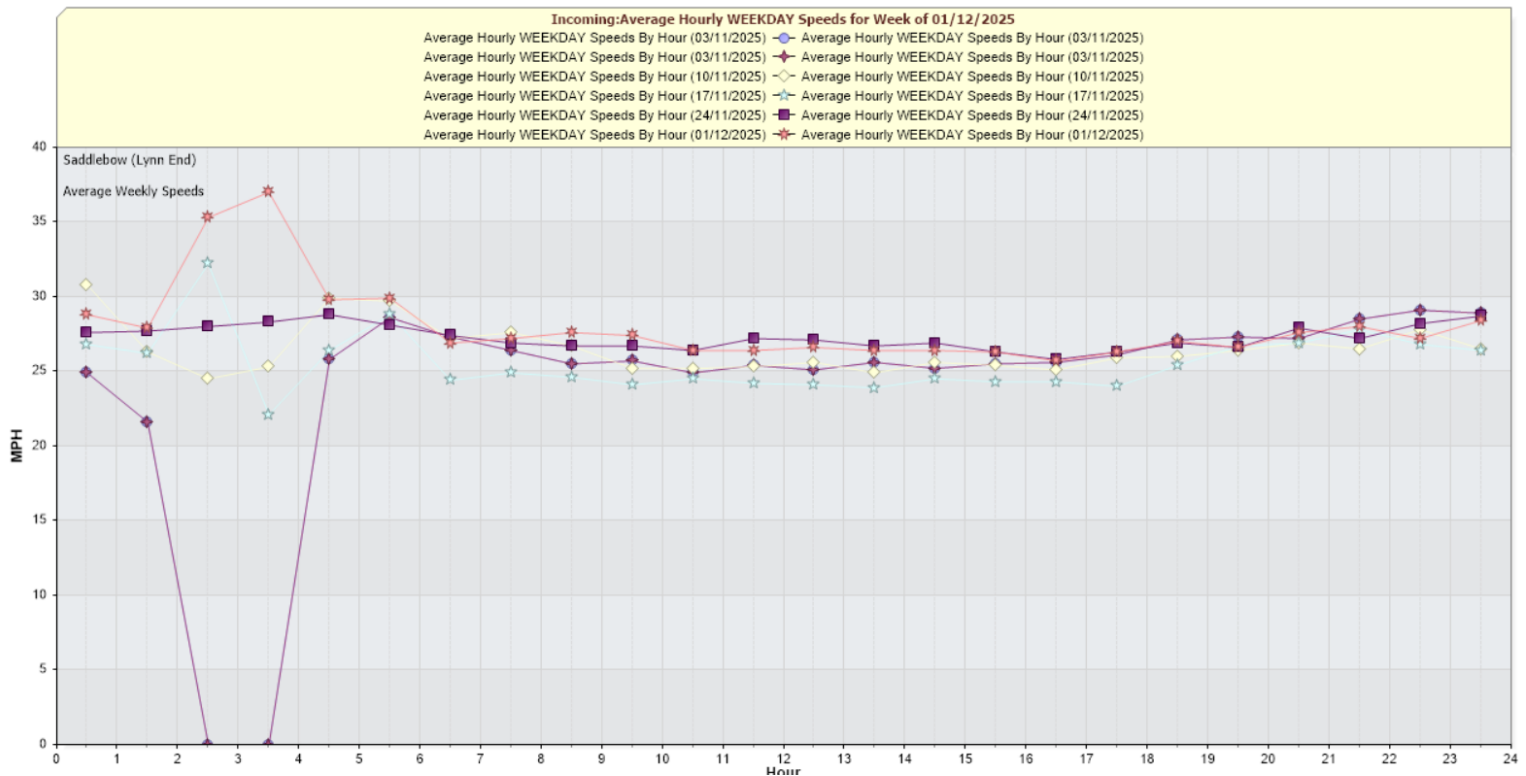
- The orange box indicates the highest average 85% speed and this occurs between 0400-0500 which may be attributed to the highest average speed of speeders on a Sunday at 35.8mph
- The majority of speeders are recorded on Thursdays and Fridays
 - The average speed of speeders is fairly consistent through the week at just over 33mph.

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The below chart shows the average speed per hour per week:



- Generally the average speed for the road remains consistent except for the week of the 1st December where there is a spike of average speed to above 35mph between 0300-0400.
- On the week of the 24th November there are no recorded vehicles between 0200-0300 which accounts for the drop in average speed.

Conclusion

This is the first time that the SAM2 sign has been deployed at the Lynn end of Saddlebow and the results will have been influenced by the presence of roadworks and traffic lights during the capture period.

The incidences of speeders travelling in excess of 50mph is concerning and would be consistent with the concerns of residents in the area too.

To improve reliability a further capture period needs to take place without the presence of roadworks.