

SAM2 Report Summary
Lynn road near Caley Farms
4th December to 30th December

General Information

Traffic Report From 04/12/2025 07:00:00 through 30/12/2025 08:59:59

85th Percentile Speed = 37.7 MPH
85th Percentile Vehicles = 23,757 counts
Max Speed = 65.0 MPH on 09/12/2025 20:35:00
Total Vehicles = 27,949 counts
AADT: 1071.5

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,103	1,041
AM Peak	11:00 to 12:00	75	78
PM Peak	16:00 to 17:00	124	111

Speed
Speed Limit: 30 MPH
85th Percentile Speed: 37.7 MPH
50th Percentile Speed: 30.7 MPH
10 MPH Pace Interval: 25.0 MPH to 35.0 MPH
Average Speed: 30.9 MPH

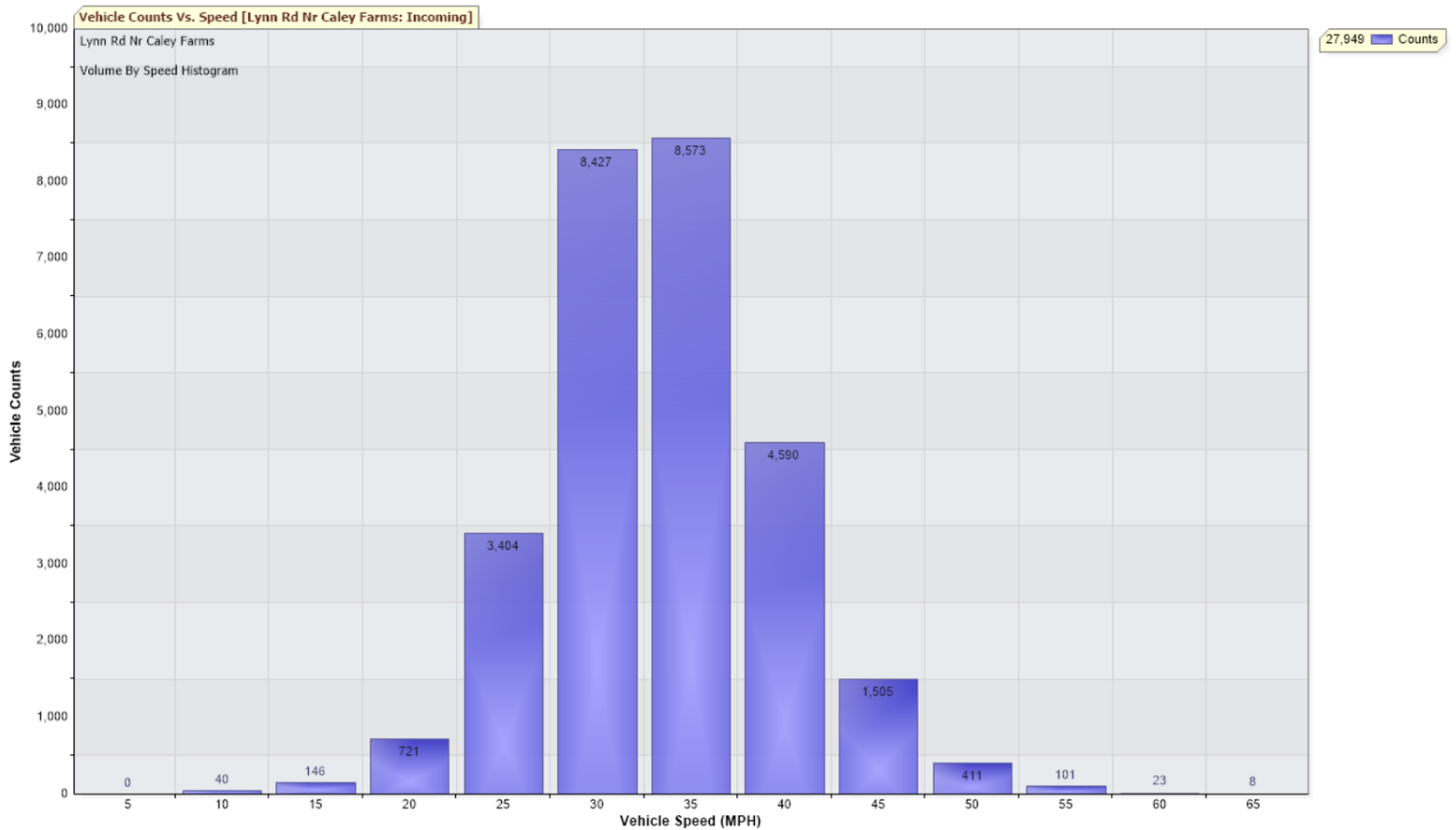
The 85th percentile can be used to determine speed limits for roads. This is based on the theory that most drivers are reasonable and do not want to get in an accident, but do want to get to their destination as quickly as possible. Therefore, a speed at which 85 percent of people drive is figured to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

- In comparison to the last report (July):
 - There were approximately 4200 fewer vehicles this period
 - The maximum recorded speed is 65mph in comparison to 70mph in the last period
 - The busiest times of day are similar to those recorded during the last period
- The above information indicates that **85%** of total vehicles drove at a the 85th percentile speed of 37mph which is well above the speed limit and is concerning
 - This is very similar to the data from July indicating some consistency in the 85th percentile speed.
- Over 54% of vehicles that were recorded were travelling over the speed limit.
 - 31 vehicles were travelling at more than double the speed limit during the recording period
- It is notable that the SAM2 sign did run out of power earlier than anticipated which accounts for the period finishing on the 30th of December

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Counts

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



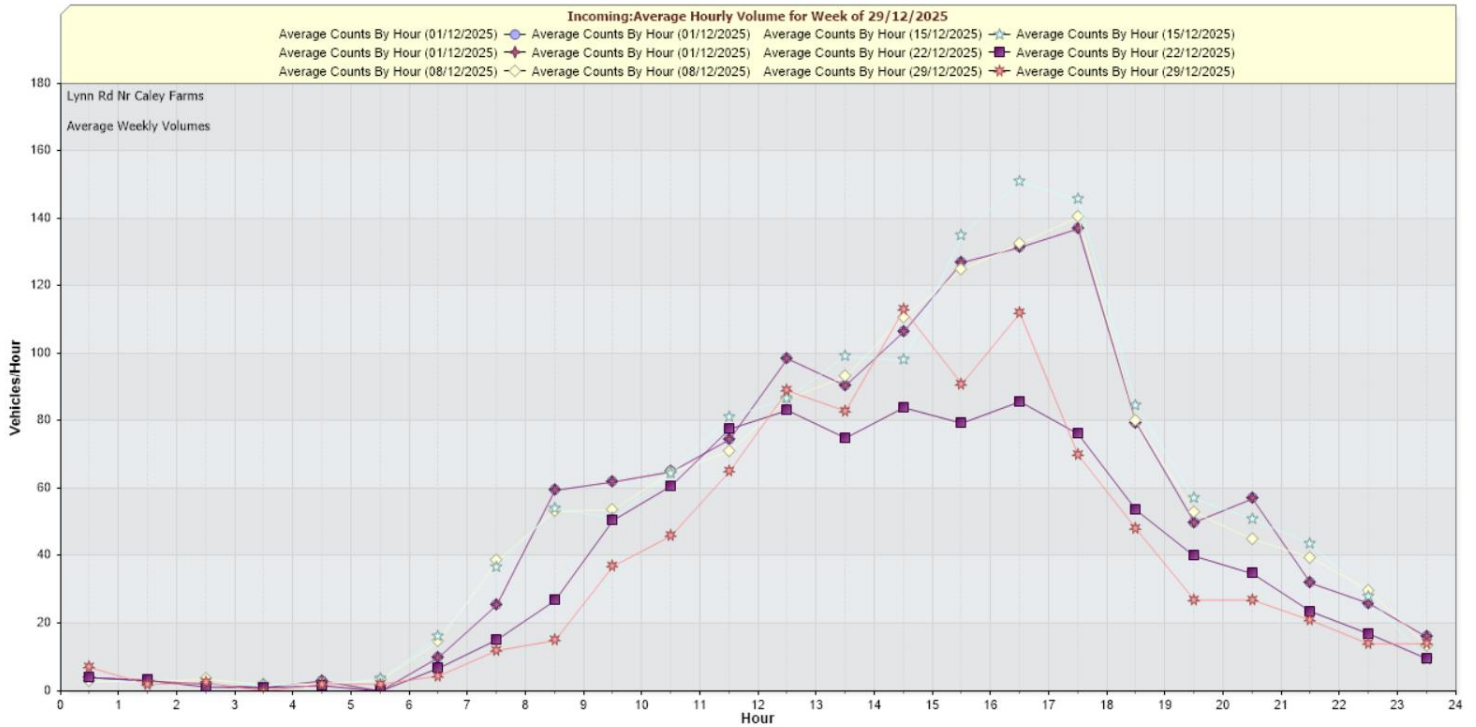
- The chart shows that 54% of vehicles (15211/27949) were travelling over the 30mph during the measurement period.
 - 31 vehicles were travelling at more than double the speed limit during the recording period
- The number of speeders is particularly alarming given that the reduced light, visibility and poorer weather conditions with this time of year would potentially signify slower speeds however this is not the case

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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 1430-1730 which would be consistent with rush hour traffic returning to the village
 - Unsurprisingly the weeks which are highest for this are those in the lead up to Christmas

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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	9	8	17	8	7	35	31	9.8	33	42.3
1 - 2	5	9	7	8	9	14	22	7.6	18	39.8
2 - 3	1	5	11	4	9	6	7	6	6.5	39.8
3 - 4	1	4	4	7	0	4	4	3.2	4	39.5
4 - 5	6	8	5	1	6	2	3	5.2	2.5	44.5
5 - 6	6	7	1	2	9	6	6	5	6	40.7
6 - 7	28	20	17	20	17	13	7	20.4	10	37.3
7 - 8	55	49	50	50	65	28	21	53.8	24.5	37.5
8 - 9	107	79	75	96	101	63	34	91.6	48.5	38.4
9 - 10	104	66	106	108	129	115	80	102.6	97.5	37.3
10 - 11	125	95	119	144	123	193	107	121.2	150	37.2
11 - 12	170	117	150	155	171	236	172	152.6	204	37.5
12 - 13	205	126	161	187	205	221	216	176.8	218.5	37.3
13 - 14	206	116	179	158	179	239	196	167.6	217.5	36.6
14 - 15	229	159	166	162	217	230	213	186.6	221.5	37.4
15 - 16	193	182	184	193	217	179	200	193.8	189.5	36.2
16 - 17	241	202	170	169	229	195	166	202.2	180.5	35.5
17 - 18	237	173	172	184	211	133	111	195.4	122	35.7
18 - 19	175	126	117	132	135	136	87	137	111.5	37.8
19 - 20	98	100	74	106	117	102	82	99	92	38.1
20 - 21	83	105	82	95	97	72	65	92.4	68.5	38.5
21 - 22	66	81	72	88	70	62	31	75.4	46.5	39.7
22 - 23	47	44	54	53	71	56	29	53.8	42.5	39.1
23 - 24	27	23	18	27	48	26	17	28.6	21.5	41.8
Totals	2424	1904	2011	2157	2442	2366	1907			
% of Total	15.9%	12.5%	13.2%	14.2%	16.1%	15.6%	12.5%			

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	38.1	39.4	39.9	39.4	37.5	37.4	36	39	36.7	42.3
1 - 2	35.5	36.9	35.4	39.4	37.5	35.7	40.2	37.1	38.5	39.8
2 - 3	37.5	36.5	36.1	41.3	35.3	39.2	36.8	36.7	37.9	39.8
3 - 4	37.5	36.3	36.3	40.4	0	36.3	35	38.1	35.6	39.5
4 - 5	40	38.8	40.5	42.5	40	42.5	42.5	39.8	42.5	44.5
5 - 6	37.5	41.1	37.5	42.5	35.8	44.2	39.2	38.3	41.7	40.7
6 - 7	36.8	36.3	36	37	33.7	36	34.6	36.1	35.5	37.3
7 - 8	35.5	36.9	35.5	36.4	34.7	35	35.1	35.7	35.1	37.5
8 - 9	36.9	35.7	36.5	35.3	35.8	35.7	36.9	36.1	36.1	38.4
9 - 10	35.2	35.5	35.2	35	35.7	35.6	35.1	35.3	35.4	37.3
10 - 11	35.6	35.2	35.8	35.3	34.6	35.3	35.6	35.3	35.4	37.2
11 - 12	35.2	34.7	36.1	35.5	35.5	35.6	35.8	35.4	35.7	37.5
12 - 13	35.8	34.6	35.6	34.8	35.7	35.4	35.5	35.4	35.5	37.3
13 - 14	34.5	34.9	35.4	34.9	35.7	35.9	35.4	35	35.7	36.6
14 - 15	35.2	35.3	36.4	35.1	35.4	35.9	35.3	35.5	35.6	37.4
15 - 16	35.3	34.9	35.4	34.8	35.2	35	35.5	35.1	35.2	36.2
16 - 17	34.9	34.5	35	34.9	35.3	35	35.1	34.9	35.1	35.5
17 - 18	35	34.9	35.6	34.6	34.8	36	35.7	35	35.8	35.7
18 - 19	35.7	35.5	36.6	35.9	35.6	36.5	36.7	35.8	36.6	37.8
19 - 20	36.1	35.7	35.5	36.1	35.7	36.3	36.3	35.8	36.3	38.1
20 - 21	35.7	36.2	35.7	36.8	36.6	38.5	36.3	36.2	37.5	38.5
21 - 22	36.1	37.1	37.9	35.5	35.7	35.7	35.9	36.4	35.8	39.7
22 - 23	36.5	36.9	36.3	36.3	35.5	37.1	36.3	36.2	36.9	39.1
23 - 24	36.2	39.9	38.1	37.5	36.4	36.9	38.7	37.3	37.6	41.8
Totals	35.5	35.4	35.9	35.4	35.5	35.8	35.7			
% of Total	14.2%	14.2%	14.4%	14.2%	14.2%	14.4%	14.3%			

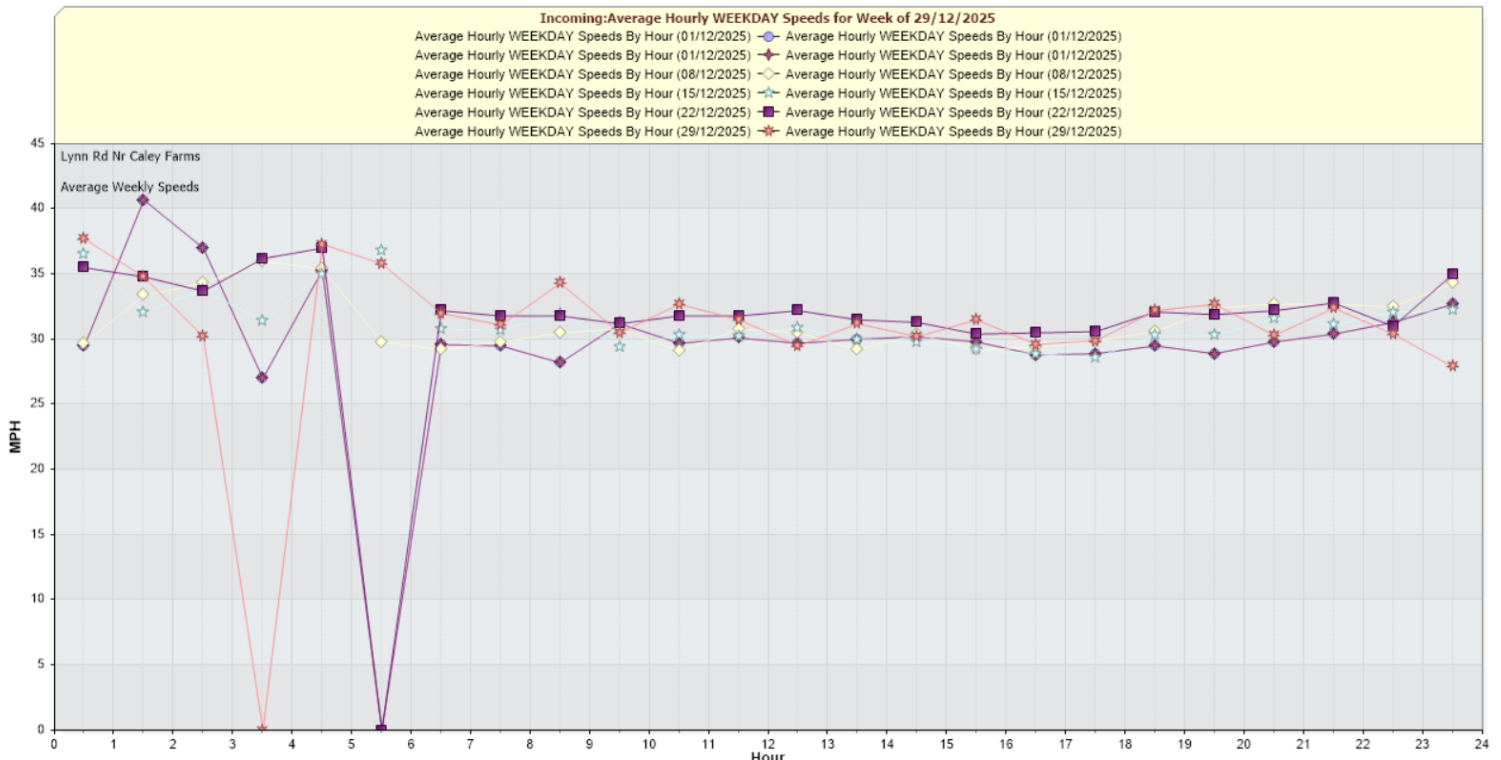
- The highest average 85% speed occurs between 2300-0100 and 0400-0500
- Approximately 47% of speeders are on Mondays, Fridays and Saturdays
 - The average speeder remains consistent at just over 35mph
- After looking at additional reports, there is a consistent pattern of a number of higher average speeders at between 40-50mph that occurs most weeks between 0400 and 0500

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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 22nd December where the average hourly speed peaked at over 40mph between 0100-0200.
- On two weeks (29th December and 22nd December) there were no recorded vehicles between 0300-0400 and 0500-0600

Conclusion

There are a number of similarities between this report and the one in July which is concerning as this shows a consistent excess of speed by the majority of vehicles in relation to the speed limit. Additionally this is at a time where the road conditions are likely to be worse due to weather, visibility and weather conditions. And the proximity of the SAM2 is close to the entrance to Caley's farms where large agricultural machinery enters and exits.

Whilst the white gates have not been installed in this area of the village yet, the report does provide assurance that action does need to be taken and would justify any expenditure for this.

Results may also have been slightly effected by the loss of power earlier than anticipated so did not include the new year.