

SAM2 Report Summary

Eau Brink (Nr School)

7th Oct to 5th Nov 2025

General Information

Traffic Report From 07/10/2025 18:00:00 through 05/11/2025 15:59:59

85th Percentile Speed = 33.9 MPH

85th Percentile Vehicles = 4,333 counts

Max Speed = 65.0 MPH on 22/10/2025 21:45:00

Total Vehicles = 5,098 counts

AADT: 176.3

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		183	168
AM Peak	11:00 to 12:00	14	13
PM Peak	16:00 to 17:00	19	16

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 33.9 MPH

50th Percentile Speed: 27.7 MPH

10 MPH Pace Interval: 25.0 MPH to 35.0 MPH

Average Speed: 27.6 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 above information indicates that **85%** of total vehicles drove at a the 85th percentile speed of 33.9mph which is slightly above the speed limit.
- It is worth noting that counts for this road are likely to be higher than average as Lynn road was closed at the time and some vehicles may have used this as a diversion
- The maximum speed on this area of road is very concerning given the proximity to the school and that the white gates were installed at this time. (The time of the offence was during the night)

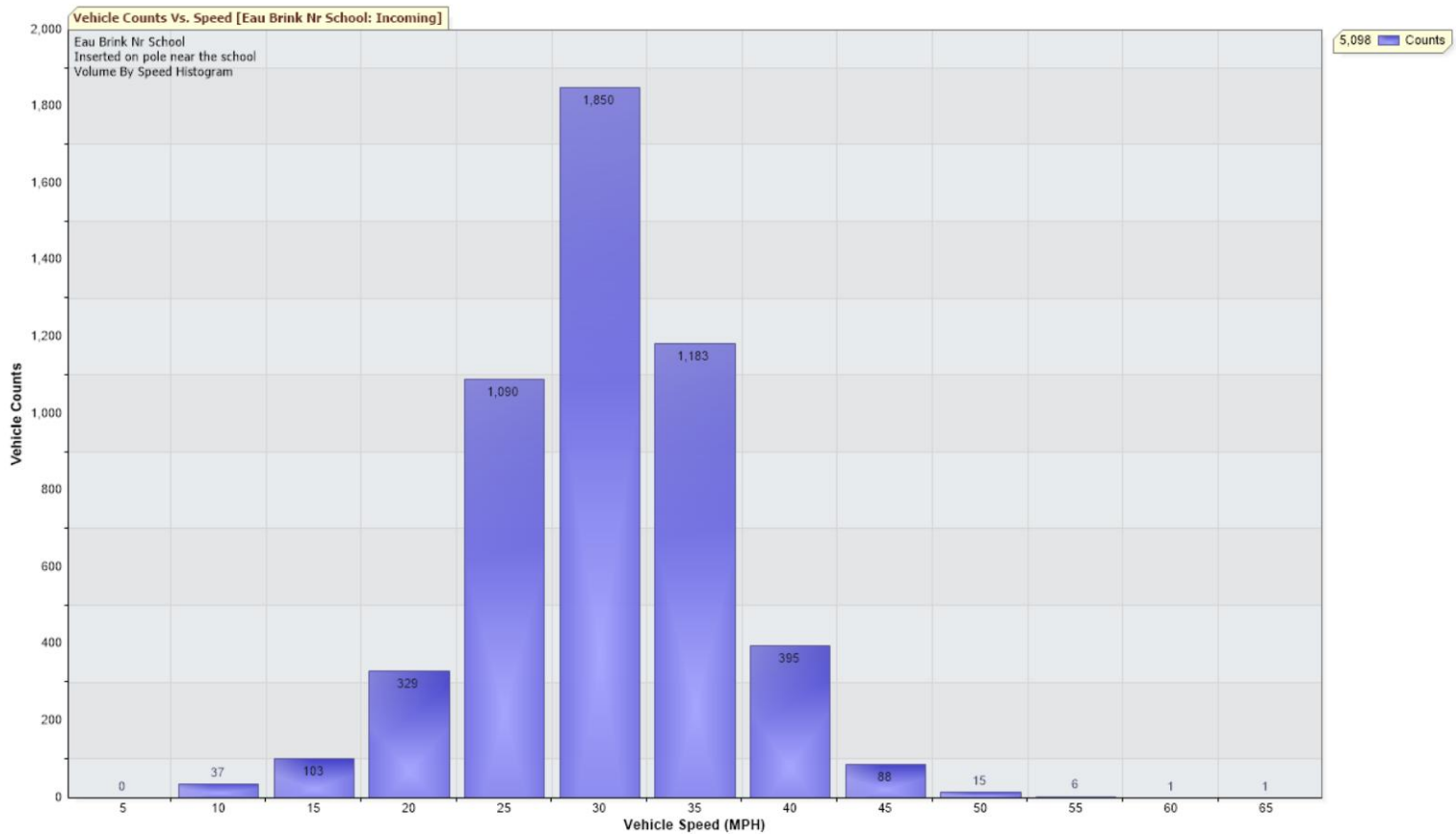
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Counts

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



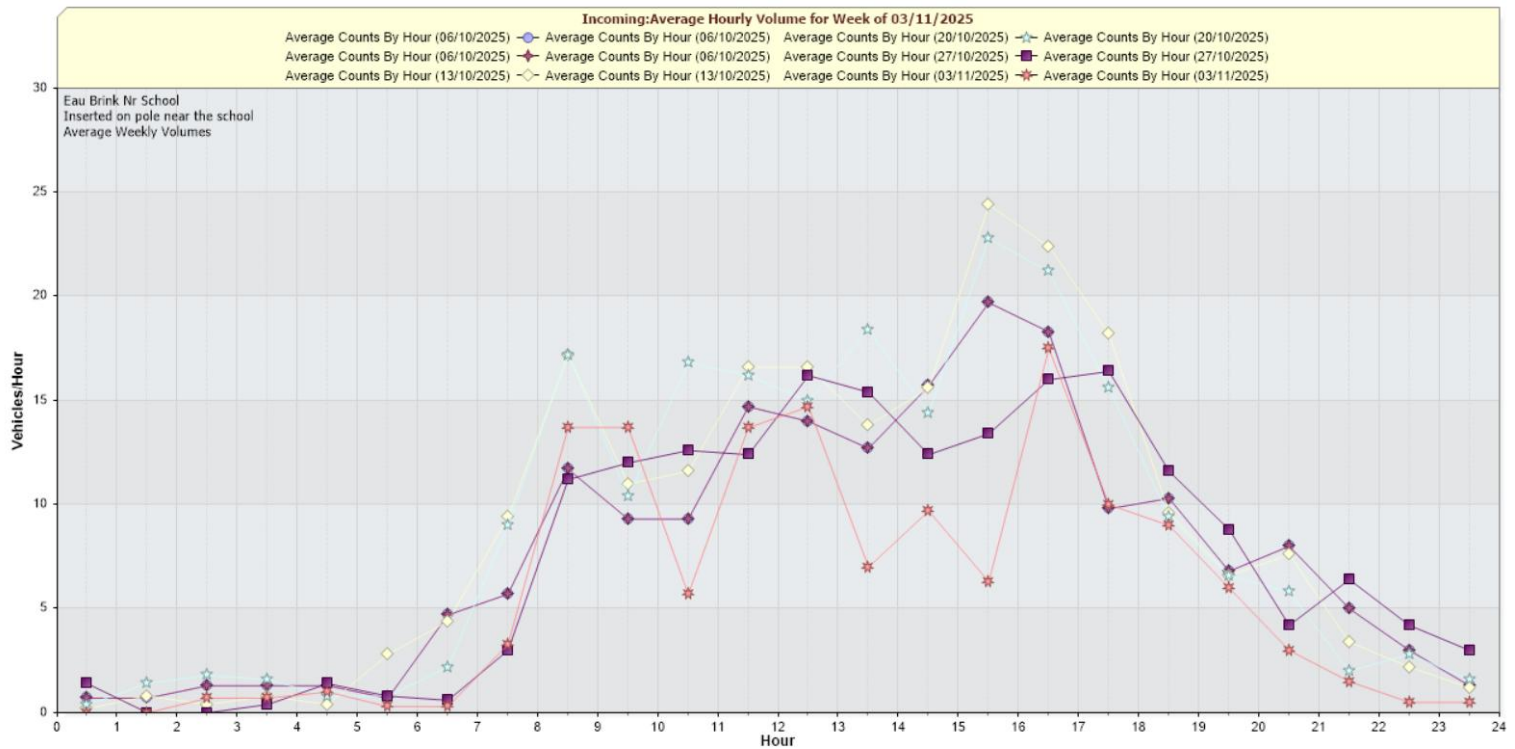
- The chart shows that 33% (1689/5098) were travelling over the 30mph during the measurement period.
 - This is again slightly concerning given the proximity to the school. This number may have been exacerbated by the Lynn road closure resulting in larger numbers of vehicles using the road.
- It would be worth comparing trends with the next time the SAM2 sign is deployed here to see if there is a general reduction in speed now that the white gates have been installed.

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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 school drop offs.
 - 1500-1800- 20-25 vehicles per hour
- There also appears to be a consistent flow of traffic from 0830 to 1400 prior to the peak.
- Again it is worth noting that these figures may be higher than usual due to the Lynn road closure.

SAM2 Report Summary

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Speeders

The chart below shows the average speed of speeders across the whole period per hour and day.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	37.5	37.5	32.5	0	37.5	35	32.5	36.1	33.8	38.1
1 - 2	32.5	0	35	0	0	0	0	33.8	0	29.4
2 - 3	32.5	0	32.5	0	0	0	32.5	32.5	32.5	30.4
3 - 4	32.5	32.5	32.5	35.8	0	0	32.5	34.2	32.5	34.8
4 - 5	32.5	32.5	32.5	32.5	0	0	32.5	32.5	32.5	33.4
5 - 6	0	0	32.5	37.5	32.5	0	32.5	33.8	32.5	30.3
6 - 7	32.5	37.5	33.1	32.5	32.5	37.5	32.5	33.3	34.2	33
7 - 8	36.5	33.5	33.1	33.2	34.2	35	32.5	34	34.2	32.8
8 - 9	34.2	34.4	33.8	34	34.7	33.9	33.3	34.2	33.7	31.6
9 - 10	33.2	33.1	33.8	34.8	36.5	34.2	36.3	34.4	34.8	34.6
10 - 11	34.2	34.2	33.9	34.1	32.5	35.3	33.5	33.8	34.3	33
11 - 12	34.7	33.6	33.4	33.9	36.1	32.8	35	34.4	34	33.6
12 - 13	35.7	34.6	34.6	34.2	34	33.3	35.6	34.5	34.5	33.3
13 - 14	34	34.8	34	33.1	36	34.3	34.6	34.6	34.5	32.2
14 - 15	34.3	34.3	33.6	34	35.9	34.2	34	34.4	34.1	33.9
15 - 16	35	33	33.7	34.3	34.2	34.9	34.9	34	34.9	31.7
16 - 17	33.9	33	34	33.4	34.3	34.5	34.2	33.8	34.4	33.1
17 - 18	33.8	35.4	33.3	34.6	34.9	35.2	35.6	34.3	35.4	35.1
18 - 19	36.8	34.8	35.4	37.1	36.3	33.4	33.8	36	33.5	35.8
19 - 20	34.6	35.2	35.6	35.6	34.5	34.6	36.5	35.1	35.1	36.2
20 - 21	35.5	35.1	35.2	37.1	33.9	34.6	32.5	35.5	34	36.7
21 - 22	34.6	35	37.5	35.6	33.5	32.5	32.5	35.4	32.5	36.1
22 - 23	34.2	36.9	33.9	37.5	32.5	35	33.9	35.1	34.2	37.5
23 - 24	34.5	52.5	32.5	32.5	34.5	35.8	37.5	35.2	36.5	38.3
Totals	34.5	34.6	34	34.5	34.8	34.3	34.4			
% of Total	14.3%	14.4%	14.1%	14.3%	14.4%	14.2%	14.3%			

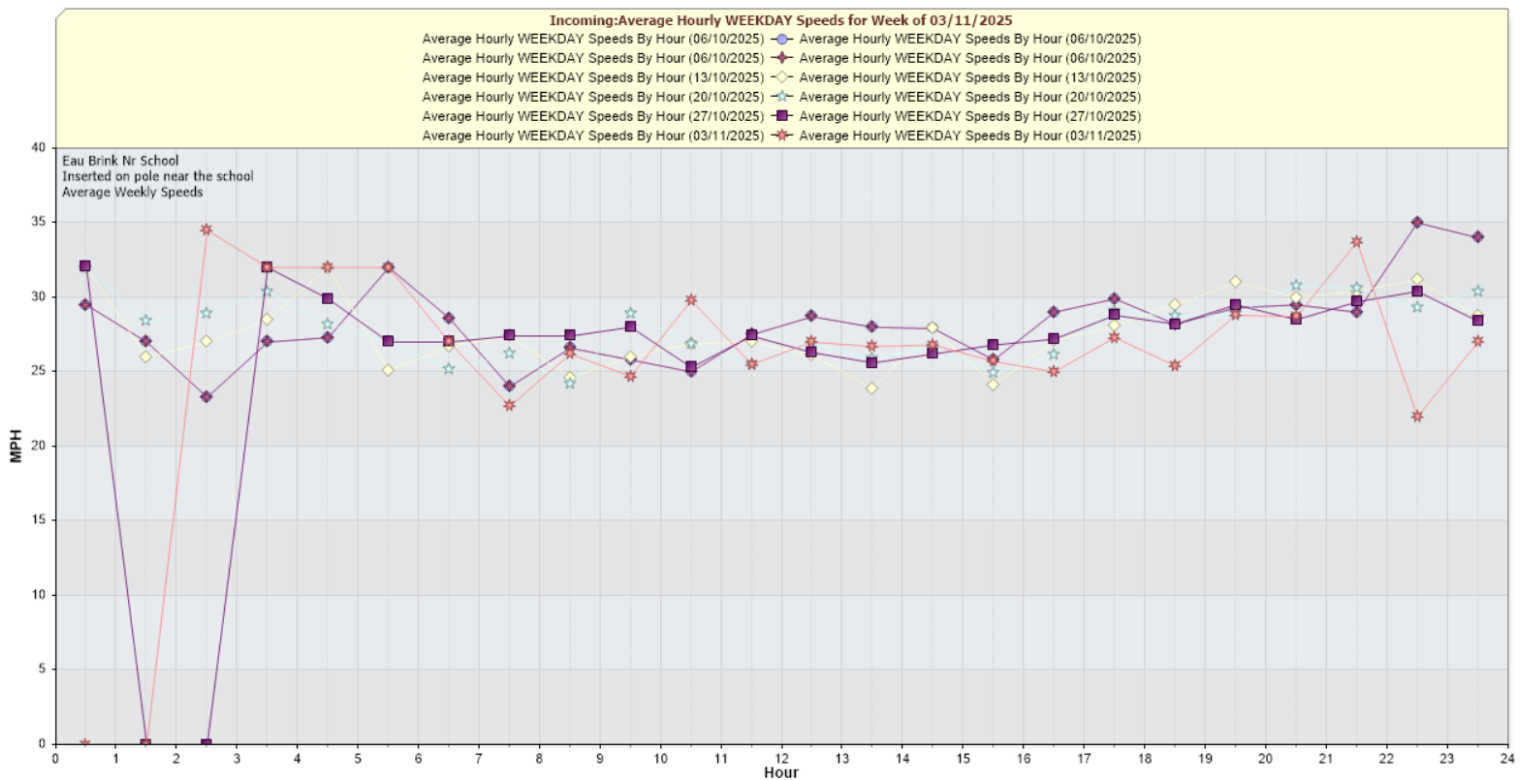
- The orange box indicates the highest average 85% speed during week days and this occurs between 2300 and 2400 hours.
- Speeders in the morning generally have a lower speed than in the evening.
 - The average speeder speed on weekdays tends to increase as the day goes on
 - Weekend speeders are more consistent through the day
- Looking at the percentages at the bottom, speeders are consistently distributed across the whole week (there is no particular day that is worth than another).

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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 extremities of the day.
 - On two weeks there were no cars between the hours of 0100-0200 and 0200-0300
- This chart takes into account all vehicles (including speeders) and is consistent with the previous chart.

Conclusion

Whilst the maximum speed is of concern, generally vehicle speeds are between 30-35mph. Results may have been exacerbated by the Lynn road closure and it will be of interest to compare these results to those of a whole month where there white gates have been installed.

One resident has raised concern that the proximity of the 30mph signs to the 20mph advisory on the white gates may be confusing to drivers and is something that may be worth considering raising with highways.