

SAM2 Report Summary

Sluice Road

5th Sept to 7th Oct 2025

General Information

Traffic Report From 05/09/2025 09:00:00 through 07/10/2025 17:59:59

85th Percentile Speed = 30.2 MPH

85th Percentile Vehicles = 12,758 counts

Max Speed = 45.0 MPH on 09/09/2025 07:25:00

Total Vehicles = 15,009 counts

AADT: 463.6

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		489	456
AM Peak	08:00 to 09:00	52	43
PM Peak	15:00 to 16:00	44	38

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 30.2 MPH

50th Percentile Speed: 26.1 MPH

10 MPH Pace Interval: 20.0 MPH to 30.0 MPH

Average Speed: 25.2 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 30.2mph which is almost exactly the speed limit.
- Whilst the max speed is slightly concerning, given the number of vehicles driving at the 85th percentile speed, this appears to be an anomaly. This is backed up by the average speed for all vehicles.

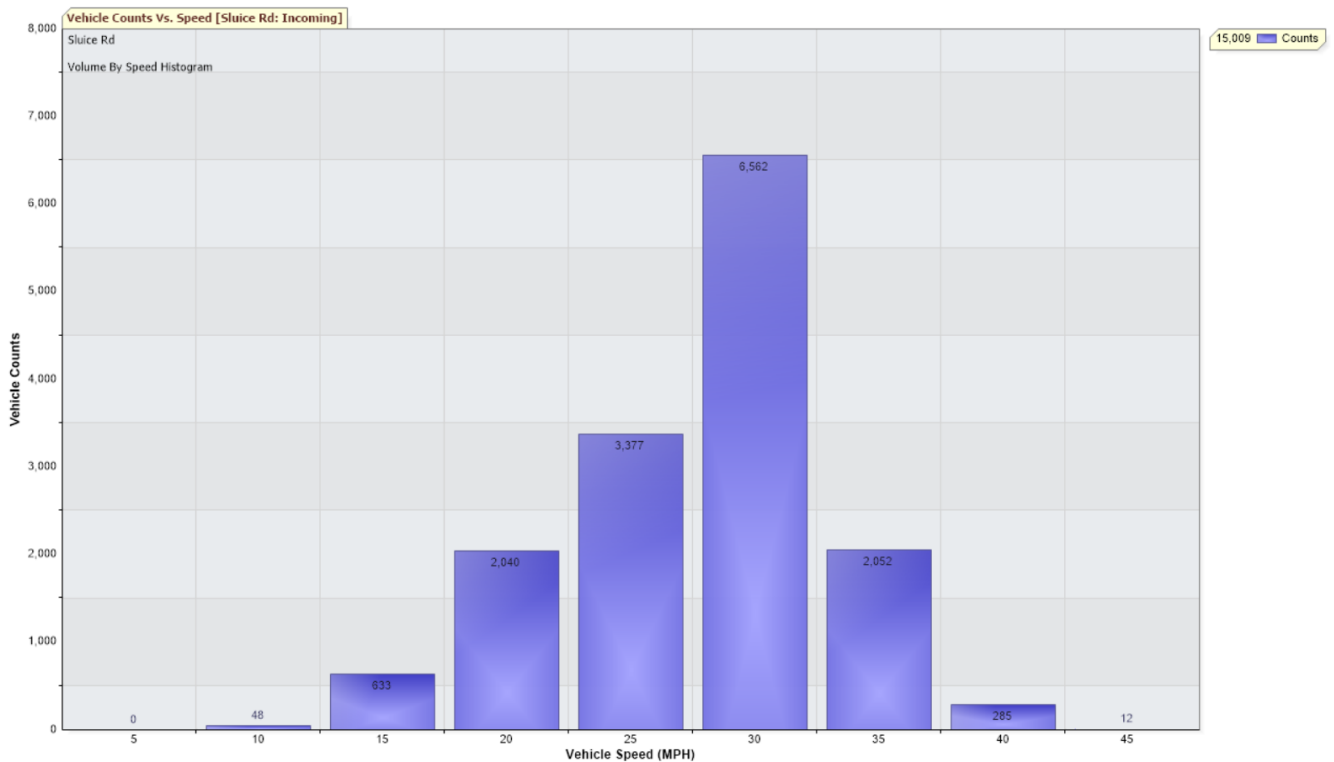
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Counts

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



- The chart indicates that the majority of vehicles travel at or around the 30mph limit with 84% travelling at 30mph or lower
- Just over a third of vehicles were travelling at 25mph and below which is reassuring given the proximity to the junction of Lewis Drive and Edinborough place.

5th Sept to 7th Oct 2025

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- The peak vehicle counts for the road are typically between 0700-0900 and 1500-1800 which would be consistent with school drop offs and 'usual' commuter times.
 - 0700-0900- 55 vehicles per hour
 - 1500-1800- 30-50 vehicles per hour
- The week commencing 1st of September shows a peak of approximately 45 vehicles per hour between 1200-1300.

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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	32.5	0	0	0	35	0	35	35	30
1 - 2	0	0	0	0	0	32.5	37.5	0	35	28.8
2 - 3	0	0	32.5	37.5	0	37.5	32.5	35	34.2	33.5
3 - 4	0	32.5	0	0	35	32.5	34.2	33.8	33.5	31
4 - 5	32.5	37.5	32.5	32.5	35	32.5	0	33.4	32.5	31.9
5 - 6	32.8	33	33.8	33.3	33.6	32.5	32.5	33.1	32.5	32.5
6 - 7	33.4	33.6	33.6	34.1	33.8	33.9	34.6	33.7	34.3	33.4
7 - 8	32.8	33.4	33.2	33.1	33.5	32.9	32.5	33.2	32.8	30.9
8 - 9	32.9	33	33.2	32.7	33.1	32.8	33.6	33	33	29.6
9 - 10	32.8	32.5	32.9	33.2	33	32.8	32.7	32.9	32.8	29.7
10 - 11	32.8	33.3	32.5	32.5	34.1	32.8	32.5	33.1	32.6	29.7
11 - 12	33.3	32.5	34.5	34.2	33.9	33.2	32.9	33.7	33.1	29.8
12 - 13	32.5	33.2	33.3	32.9	32.5	33	33.4	32.9	33.2	30.2
13 - 14	32.5	33.1	32.5	32.9	32.9	32.7	33.6	32.8	33.1	30.2
14 - 15	33	32.8	33.2	32.7	32.5	32.5	32.9	32.8	32.7	30.6
15 - 16	33.1	33.1	32.8	32.5	33.1	33.2	33.7	33	33.4	29.6
16 - 17	33.2	33.1	33.4	33.4	32.6	33.1	33.1	33.1	33.1	30.1
17 - 18	33	33	33.4	34	33.2	33.6	32.9	33.3	33.3	31
18 - 19	33.3	33.8	33	32.5	32.7	33.7	33.3	33	33.5	30.2
19 - 20	32.5	32.5	33.1	33.3	33.1	33.9	32.5	32.9	33.3	30.5
20 - 21	33.7	33.3	32.5	32.5	32.5	32.5	33.5	33.1	33.2	30.4
21 - 22	34.5	34.6	34.2	32.5	34.7	32.5	33.8	34.4	33.5	31.3
22 - 23	32.5	34.2	32.5	32.5	34.2	32.5	35	33.6	34.2	31
23 - 24	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.3
Totals	33	33.2	33.2	33.2	33.2	33	33.2			
% of Total	14.2%	14.3%	14.3%	14.3%	14.3%	14.2%	14.3%			

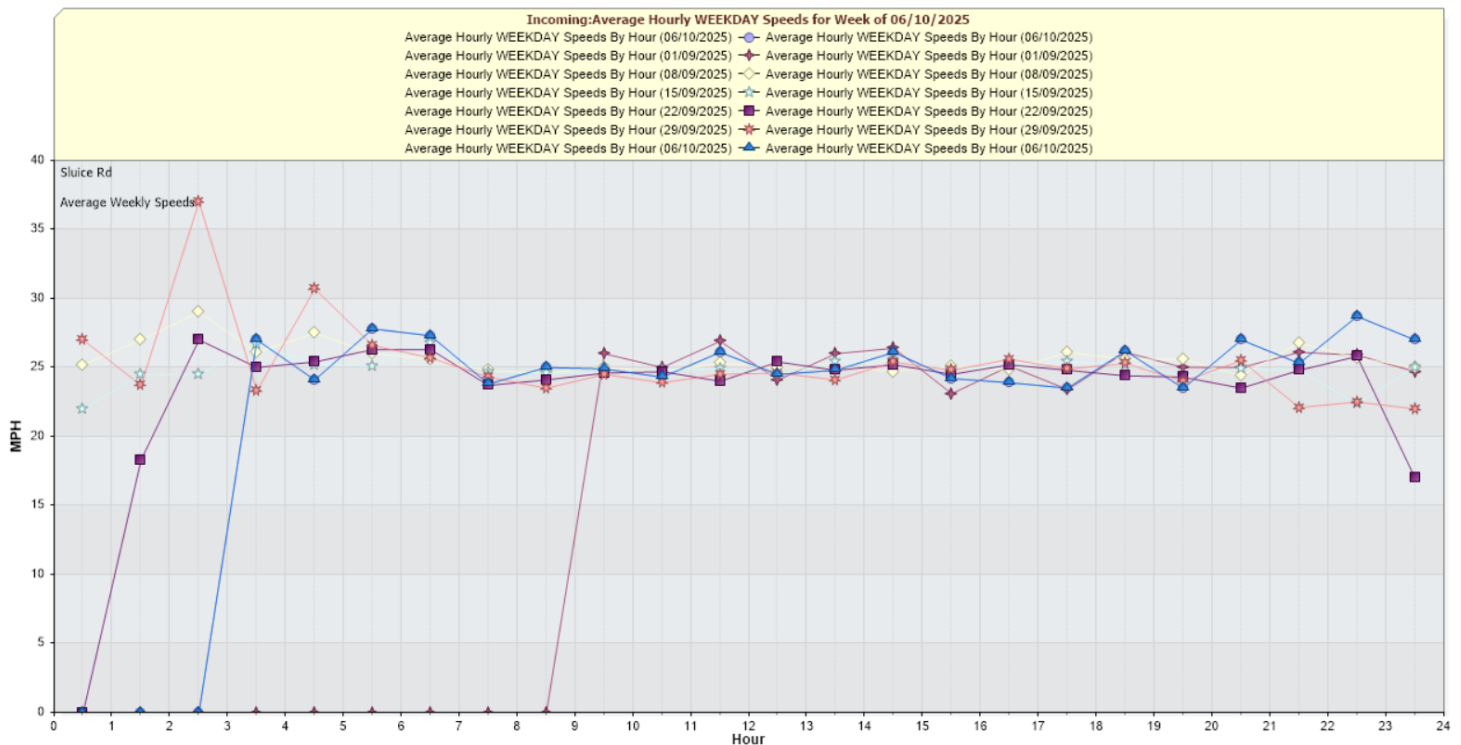
- The orange box indicates that the only time of significance is the 0200-0300 period for speeders.
 - However when looking at the speeder count, on average there are only 2 vehicles travelling through the village at this time per week.
- All other days are fairly consistent and reassuringly the average 85th percentile speed at school drop off times (0800-0900 and 1500-1600) is below the 30mph speed limit.

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The chart below shows the average hourly speeds per week:



- Generally there is no particular pattern to when vehicles travel with higher speeds.
 - The only exception to this is the week of the 29/9 where the average speed rose above 35mph however this was between the hours of 0200-0300 and relates to 2 vehicles travelling 32.5 and 37.5mph
- Overall the average speed of all vehicles remains below the speed limit of 30mph indicating good compliance with the speed limit.

Conclusion

The results do not give for any immediate concerns for this area at this time. The 85th percentile speed and low numbers of speeders show a good compliance with the speed limit which is reassuring given the signs proximity to the school speed control zone and junctions for Edinborough Place and Lewis Drive.