

Martlesham Speed Indicator Project - Report from the working group - March 2022

Many of you will have seen the Speed Indicator Device (SID) which Martlesham Parish Council has bought to encourage safe driving within the speed limit.

There are six poles in the Parish (three in old Martlesham and three in Martlesham Heath and the SID is moved from site to site about every two weeks. We have a team of volunteers who carry out this work. The list of sites is at Appendix B

As a by-product the SID also outputs data on the speed and volume of traffic which will help spot problems areas and provide evidence to the police and the County Council where we think action is needed. It does not record registration numbers.

Appendix A summaries the data for all six sites since the SID was first brought into service last November.

Summarised data

All data was gathered between 25th Nov 2021 and 1 Feb 2022

The speeds in column 1 in both tables indicate the upper limit of each 5mph band. Eg in Table 1 at site 1A, 28,557 vehicles were doing between 26 and 30 mph.

Some findings

Unsurprisingly the volume of traffic along The Street is by far the highest in the Parish - about four times the volume in the same direction going past Mill Heath. This gives you some idea of the amount of traffic going up Felixstowe Road and turning right towards Woodbridge. This is self evidently also the case for traffic going from Woodbridge towards the retail and industrial area using Felixstowe Road as a rat run.

So far the County Council has not come forward with any ideas about how to reduce this rat-running through Martlesham. Their Feb 2021 consultation about proposed changes to the A12 junction through Martlesham and Woodbridge made no reference to this problem. It seems probable that, without specific action by the authorities, further housebuilding will simply make it worse.

Site 2A (Main Road westbound past Mill Heath) has a higher number of vehicles doing over 35mph in absolute and % terms than any other site. This reinforces the need for calming measures along this stretch of road as identified in last year's East Suffolk District Council pedestrian and cycling strategy consultation.

The number over 30 mph at site 4A is worrying - this is traffic approaching the busy Valiant Rd junction next to Birchwood School.

Once we have another round of data for all six sites we plan to review what action to take take next.

Table 1 - This shows the volume of traffic within each 5 mph band for each site (the compass heading is the direction of traffic being measured)

	NUMBER OF VEHICLES WITHIN EACH SPEED BAND						
	The Street Northbound	Main Rd S side Westbound	Main Rd N side Eastbound	N of Valiant Way Southbound	S of Westland Northbound	Eagle Way between Lanc & Coopers Southbound	ALL MART
MPH	SITE 1A	SITE 2A	SITE 3A	SITE 4A	SITE 5A	SITE 6A	
5	0	0	0	0	0	0	0
10	53	48	18	11	26	11	167
15	260	96	321	37	74	43	831
20	3,143	463	689	299	540	117	5,251
25	18,152	3,260	3,484	1,756	1,716	809	29,177
30	28,557	11,310	8,040	6,806	4,394	4,323	63,430
35	11,412	6,008	2,485	2,881	1,048	1,648	25,482
40	1,544	1,488	392	410	82	180	4,096
45	169	257	69	36	2	15	548
50	22	44	13	6	0	0	85
55	5	7	2	0	0	0	14
60	2	1	1	1	0	0	5
TOTAL	63,319	22,982	15,514	12,243	7,882	7,146	129,086
No of days	14	12	12	16	16	13	
Daily avge	4,523	1,915	1,293	765	493	550	
	roadworks on Red Lion Hill			over Xmas			

Table 2

This shows the percentage of traffic within each 5mph band, the percentage up to 30mph, the percentage up to 35 mph and the percentage over 35 mph.

PERCENTAGE OF VEHICLES WITHIN EACH SPEED BAND							
	The Street	Main Rd S side	Main Rd N side	N of Valiant Way	S of Westland	Eagle Way Lanc-Coopers	ALL MART
MPH	SITE 1A	SITE 2A	SITE 3A	SITE 4A	SITE 5A	SITE 6A	
<i>From</i>	11/11/2021	07/01/2022	10/11/2021	22/12/2021	25/11/2021	19/01/2022	
<i>To</i>	25/11/2021	19/01/2022	22/12/2021	7/1/2022	10/12/2021	01/02/2022	
5 mph	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10 mph	0.08%	0.21%	0.12%	0.09%	0.33%	0.15%	0.13%
15 mph	0.41%	0.42%	2.07%	0.30%	0.94%	0.60%	0.64%
20 mph	4.96%	2.01%	4.44%	2.44%	6.85%	1.64%	4.07%
25 mph	28.67%	14.19%	22.46%	14.34%	21.77%	11.32%	22.60%
30 mph	45.10%	49.21%	51.82%	55.59%	55.75%	60.50%	49.14%
35 mph	18.02%	26.14%	16.02%	23.53%	13.30%	23.06%	19.74%
40 mph	2.44%	6.47%	2.53%	3.35%	1.04%	2.52%	3.17%
45 mph	0.27%	1.12%	0.44%	0.29%	0.03%	0.21%	0.42%
50 mph	0.03%	0.19%	0.08%	0.05%	0.00%	0.00%	0.07%
55 mph	0.01%	0.03%	0.01%	0.00%	0.00%	0.00%	0.01%
60 mph	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%
0-30mph	79.23%	66.04%	80.91%	72.77%	85.64%	74.21%	76.58%
0-35mph	97.25%	92.18%	96.93%	96.30%	98.93%	97.27%	96.32%
36-60 mph	2.75%	7.82%	3.07%	3.70%	1.07%	2.73%	3.68%
	roadworks on Red Lion Hill			over Xmas			

SID Locations

Site No	Location	Traffic direction measured
1A	Beside the Water Bridge bus stop on the Street. 52°04'41.3"N 1°17'08.2"E	Northbound
2A	At the start of the service road beside the Cycling Lane ends sign. 52°04'16.4"N 1°16'38.7"E	Westbound
3A	Opposite Mill Heath 52°04'14.9"N 1°16'32.0"E	Eastbound
4A	Eagle Way north of Junction with Valiant Rd. 52°03'39.4"N 1°16'06.6"E	Southbound (heading past Birchwood school)
5A	Eagle Way south of Junction with Westland. 52°03'33.8"N 1°16'07.6"E	Northbound (heading past Birchwood school)
6A	Eagle Way between Lancaster Drive and Coopers Rd 52°03'22.1"N 1°16'32.7"E	Southbound.