

Pettaugh Lane, Gosbeck - Traffic data recorded from the 21<sup>ST</sup> June 2023 for 1 week

Traffic loop placed at proposed access point and the road has a 60 mph speed limit.

Day / Date	Northbound			Southbound		
	Traffic flow	Average Speed mph	85 percentile speed	Traffic flow	Average Speed mph	85 percentile speed
Wednesday 21/6/23	34	27.3	32.0	35	29.1	35.3
Thursday 22/6/23	33	27.9	34.7	34	28.5	34.4
Friday 23/6/23	55	23.6	32.5	56	24.4	33.7
Saturday 24/6/23	47	22.2	30.5	47	21.9	32.8
Sunday 25/6/23	18	28.2	32.8	21	28.0	32.6
Monday 26/6/23	46	25.8	34.6	55	21.4	33.3
Tuesday 27/6/23	40	29.5	35.6	40	29.3	36.9
<b>Combined Average 85 percentile speed</b>	<b>33.1</b>			<b>34.2</b>		

**The combined 85 percentile speed was 33.7 mph.**

- 1) The table from the Design Manual for Roads and Bridges below gives typical sight distances related to vehicle speeds:

Design Speed kph	100	85	70	60	50
Desirable minimum stopping site distance m	215	160	120	90	70
One Step below minimum m	160	120	90	70	50

From the table above the following distances apply:

- Speeds of 33.7 mph equates to 54 kph and requires splay distances of 78m in each direction.
- With one step below minimum 58m splays are required.

The accident record for the area has been researched from Crashmap UK on the 27th June 2023. In the last 10 years there have been no injury accidents recorded in the vicinity of the site along Pettaugh Lane, Gosbeck.

This excellent accident record demonstrates that there are no highway safety issues in this location. In view of this a relaxation could apply and 58m splays are acceptable.

Ian Booth

Consultant Engineer Ltd

29/6//23