

Chandos Farm, Thornham Parva - Traffic data recorded from the 1<sup>st</sup> March 2023 for 1 week

Traffic loop placed 200m east of Mellis Road.

	Eastbound			Westbound		
Day / Date	Traffic flow	Average Speed mph	85 percentile speed	Traffic flow	Average Speed mph	85 percentile speed
Wednesday 1/3/23	94	22.8	29.9	102	25.5	31.6
Thursday 2/3/23	73	23.9	31.1	88	26.1	32.7
Friday 3/3/23	97	24.3	31.0	102	26.1	31.9
Saturday 4/3/23	62	23.3	30.5	62	25.6	31.9
Sunday 5/3/23	60	23.9	29.8	61	25.5	31.8
Monday 6/3/23	61	23.7	30.0	82	26.2	33.7
Tuesday 7/3/23	65	24.5	31.0	105	25.1	31.8
<b>Combined Average 85 percentile speed</b>	<b>30.3</b>			<b>32.1</b>		

**The combined 85 percentile speed was 31.2 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 31.2 mph equates to 50 kph and requires splay distances of 70m in each direction.
- With one step below minimum 50m splays are required.

The accident record for the area has been researched from Crashmap UK on the 13<sup>th</sup> March 2023. In the last 12 years there have been no injury accidents recorded in the vicinity of the existing access into Chandos Farm, Thornham Parva.

This excellent accident record demonstrates that there are no highway safety issues in this location. In view of this a relaxation could apply but the visibility distance on site exceeds 70m in each direction.

Ian Booth

Consultant Engineer Ltd

13/3/23

28 Feb 2023 at 12:46:22  
N 5797482 E 370046  
216 BNI Road  
Eye  
England  
IP23 8ES  
United Kingdom

