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Sent: 11 August 2017 13:58
To: Matthew Woodward
Subject: Serpentine Road, Cleckheaton
Attachments: Serpentine Road, Cleckheaton Speed Survey.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Matthew

Please find below our Highway Consultants (Neil Appleton) response to your Highway Officers concerns and corresponding speed survey. Neil has also sent this information direct to Highways. Tracking information will follow as a separate email.

I assume you are aware that, in his consultation response to the planning application, the highway officer questioned whether the egress visibility from the care home access towards the west (i.e. towards Tesco and the bend in Serpentine Road) was adequate for the approach speed of traffic. The visibility in this direction is shown as 2.4 x 33 metres (corresponding to an SSD of 25 mph identified in Table 7.1 of Manual for Streets).

I have undertaken a radar speed survey of vehicles approaching this access from the west. This survey excluded vehicles approaching from the Tesco access and only included vehicles in free-flow approaching from Serpentine Road to the north and travelling around the left hand bend. The radar speed survey is attached. This shows that the range of vehicle speeds observed was between 11 mph and 20 mph with an 85th percentile wet weather speed of 14.5 mph. The equivalent visibility splay for an SSD of 15 mph is 17 metres (from Table 7.1 of MfS).

The vehicle speeds from this direction are constrained by the tightness of the bend, the width of the main road carriageway and the manoeuvring into and out of the Tesco car park. In addition, vehicles do not increase their speed materially as they will then be slowing for the nearby junction with Northgate.

I conclude that the visibility splay of 2.4 x 33 metres proposed as part of the proposed development is more than adequate to ensure safe operation of the access.

Kind regards

Georgina

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Serpentine Road, Cleckheaton Speed Survey

Weather

Monday 7 August 2017

All Speeds recordings are from Free Flowing vehicles.

Dry and Overcast

1030-1230

Westbound (33 m to east of proposed site access)				Eastbound (33 m to west of proposed site access)			
Speeds(mph)		Speeds(mph)		Speeds(mph)		Speeds(mph)	
1		51		1	17	51	13
2		52		2	14	52	17
3		53		3	11	53	12
4		54		4	17	54	14
5		55		5	14	55	17
6		56		6	15	56	11
7		57		7	14	57	15
8		58		8	16	58	13
9		59		9	14	59	15
10		60		10	14	60	16
11		61		11	14	61	17
12		62		12	11	62	15
13		63		13	15	63	16
14		64		14	12	64	14
15		65		15	12	65	15
16		66		16	14	66	16
17		67		17	14	67	18
18		68		18	15	68	12
19		69		19	16	69	17
20		70		20	17	70	16
21		71		21	14	71	16
22		72		22	12	72	13
23		73		23	15	73	12
24		74		24	18	74	17
25		75		25	17	75	19
26		76		26	17	76	14
27		77		27	14	77	11
28		78		28	17	78	12
29		79		29	18	79	12
30		80		30	18	80	13
31		81		31	15	81	16
32		82		32	16	82	16
33		83		33	15	83	11
34		84		34	17	84	14
35		85		35	17	85	17
36		86		36	14	86	17
37		87		37	17	87	14
38		88		38	14	88	18
39		89		39	13	89	11
40		90		40	13	90	17
41		91		41	13	91	15
42		92		42	14	92	15
43		93		43	19	93	12
44		94		44	14	94	17
45		95		45	20	95	14
46		96		46	16	96	11
47		97		47	14	97	16
48		98		48	16	98	16
49		99		49	15	99	17
50		100		50	16	100	16

ROAD SURFACE - DRY

Average Eastbound	#DIV/0!	Average Westbound	14.9
85th%ile Wet Weather Eastbound	#NUM!	85th%ile Wet Weather Westbound	14.5