



**PROPOSED PARKING AND TURNING AREA
16 & 18 STATION ROAD, WORSBROUGH, BARNSELY**

TRANSPORT STATEMENT

09048 / May 2010

CONTENTS

1	INTRODUCTION.....	1
2	EXISTING SITUATION	2
3	PROPOSED DEVELOPMENT.....	5
4	CONCLUSIONS.....	7

APPENDICES

Appendix A	Scheme Proposals and Vehicle Swept Paths
Appendix B	Speed Surveys

1 INTRODUCTION

1.1 This statement has been written in support of a retrospective planning application for a proposed parking and turning area for 16 and 18 Station Road, Worsbrough in Barnsley. This proposal will replace the single garage which existed and served 16 Station Road with parking and turning provision for both 16 and 18 Station Road.

1.2 Our client has progressed with the excavation work to provide these facilities but has stopped pending the decision on this retrospective planning application.

2 EXISTING SITUATION

Site Description

- 2.1 The site is located 3.3km to the south of Barnsley Town Centre on Station Road, in Worsbrough. Station Road is a local distributor route running generally north west to south east between the B6100 in Worsbrough and Wentworth Road in Dovecliffe. The latter then continues towards Wombwell.
- 2.2 The development site lies to the north side of Station Road on a straight section of single carriageway being 6.5m wide with a 1.5m wide footway adjacent to the site. The site previously formed part of a landscaped rockery area with the exception of the garage for 16 Station Road. The photograph below shows the garage (with a white door) with the dwellings of 16 and 18 Station Road located to the left and another garage (with a turquoise door) owned by a third party to the right:



Highway Network

- 2.3 Station Road is a local distributor route running generally north west to south east between the B6100 in Worsbrough and Wentworth Road in Dovecliffe. The latter then continues towards Wombwell.
- 2.4 The development site lies to the north side of Station Road on a straight section of single carriageway being 6.5m wide with a 1.5m wide footway adjacent to the site. It is located about 200m south east of the junction between Station Road and the B6100. There is residential development to one or both sides of Station Road and many of the properties have little or no off street parking facilities. Some properties have garages but like the one which existed on the development site and those of its neighbours, the doors opened directly on to the narrow footway and vehicles have to either reverse in to or out of them. Observations indicate that this manoeuvre causes potential hazards and disruption to the safe and free flow of traffic along Station Road.
- 2.5 On street parking occurs at various locations along Station Road which causes occasional disruption to traffic flows due to the one way working that is created by the resulting give and take arrangements. Photographs in my client's report illustrate this point further. In addition when residents either park on street or wish to drive off from an on street parking space this can involve them carrying out a three point turn within the carriageway depending upon their direction of travel.
- 2.6 Station Road benefits from a system of street lighting and a 30 mph speed limit is in force. The street lighting system is somewhat dated in parts as power is provided to it and several properties via overhead cables. One of these supply poles (and street light) is located only a few metres to the west of the site.

- 2.7 As mentioned in 1.2 above my client has progressed with the excavation work to provide improved parking facilities for 16 and 18 Station Road but has stopped pending the decision on this retrospective planning application. The garage to 16 Station Road has been removed and the embankment dug out around it to form an area some 5.7m deep by 12.5m long. A photograph showing this work can be found below. The garage with the turquoise door has not been removed, part of its side wall being visible on the right hand edge of the photograph.



- 2.8 We understand that the injury accident record on Station Road over the last five years is very good such that none have been reported in the vicinity of the site. However the incidence of damage to parked vehicles at the side of the road is significant as can be judged by the correspondence included in my client's report.

3 PROPOSED DEVELOPMENT

Development Proposals

- 3.1 The proposals are to provide parking and turning facilities for 16 and 18 Station Road within the area that has been excavated around the single garage for 16 Station Road. The dropped crossing will be altered to suit the new access location. The development proposals are included at Appendix A.
- 3.2 Sightlines have been measured on site and 2.0 x 50m and 2.0 x 83m can be achieved to the east (left) and west (right) respectively. The Council have produced different figures (2.0 x 26m and 2.0 x 64m respectively). These were measured from the middle of the site frontage whereas the actual new site access will be slightly more towards the eastern end of the site (away from No 18) and thus will provide a greater sightline in the critical direction (to the right).
- 3.3 Speed surveys have been carried out on Station Road and the details can be found in Appendix B. 85 percentile wet weather speeds of 30.76 mph westbound and 32.95 mph eastbound can be determined from these surveys. If the requirements of Manual for Streets are applied then sightline y – distances of 44.44m and 49.07m respectively are required. Thus whichever sightline measurement is accurate both are sufficient to satisfy the requirements of Manual for Streets for the visibility in the critical direction (to the right).
- 3.4 Vehicle swept paths have been carried out to demonstrate how cars will be able to enter and leave the site in forward gear. These are shown in Appendix A.

Benefits of Proposals

- 3.5 The provision of parking and turning space on the site for two dwellings will directly benefit the undesirable situations which presently occur along Station Road as described paragraphs 2.4, 2.5 and 2.8.
- 3.6 The reversing manoeuvres across Station Road in and out of the garage to No 16 will be removed as all turning can be accommodated within the development site. On street parking along Station Road will be removed along this frontage and thus the manoeuvring and turning and vehicle damage associated with this activity will also be removed. In addition the removal of on street parking will improve the free flow of traffic along Station Road.
- 3.7 The above benefits resulting from the proposals will reduce the potential for injury accidents and thus significantly improve highway safety along Station Road.

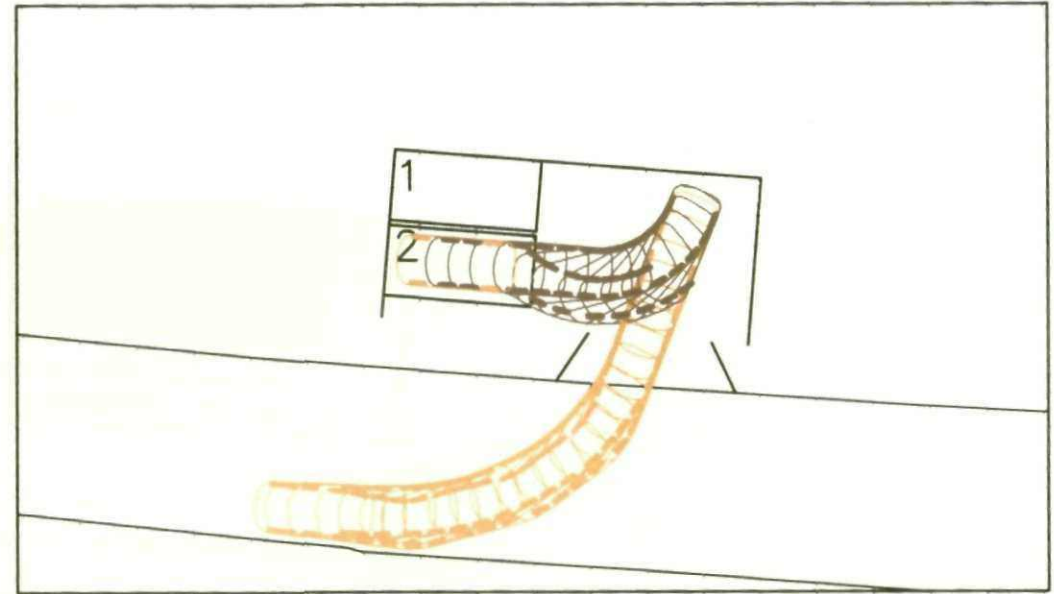
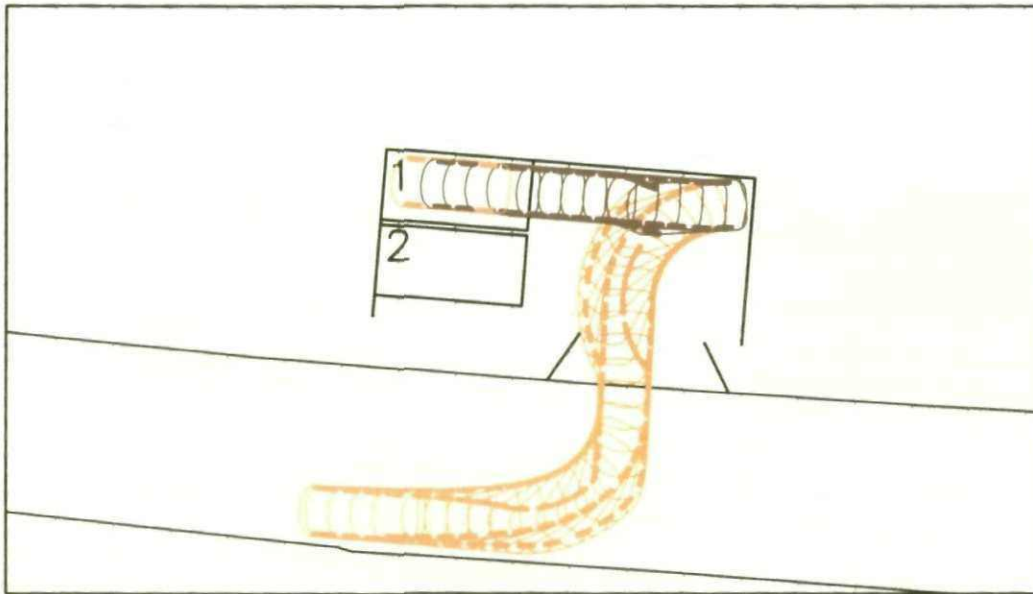
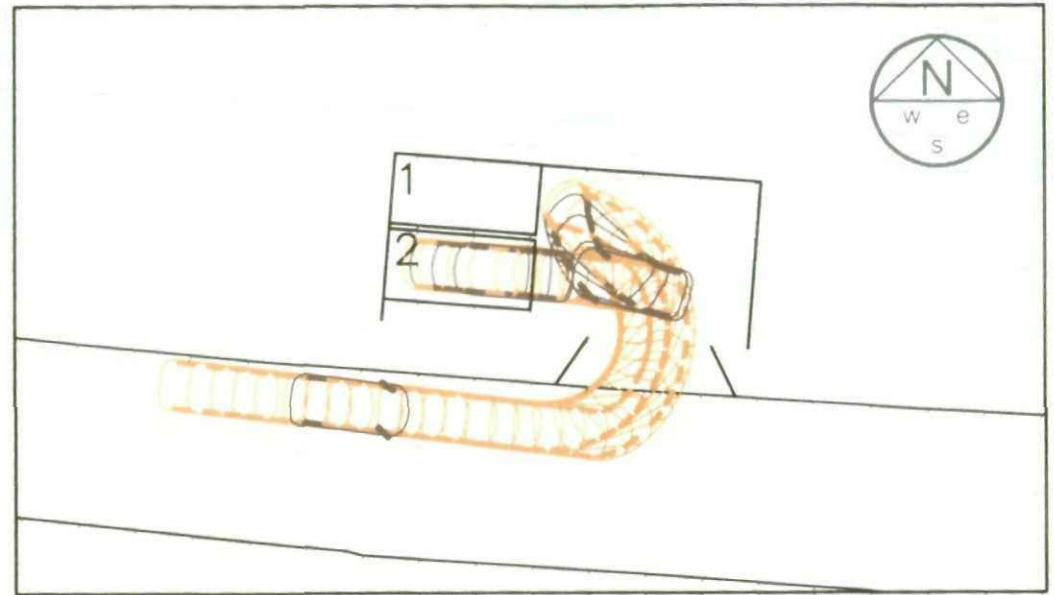
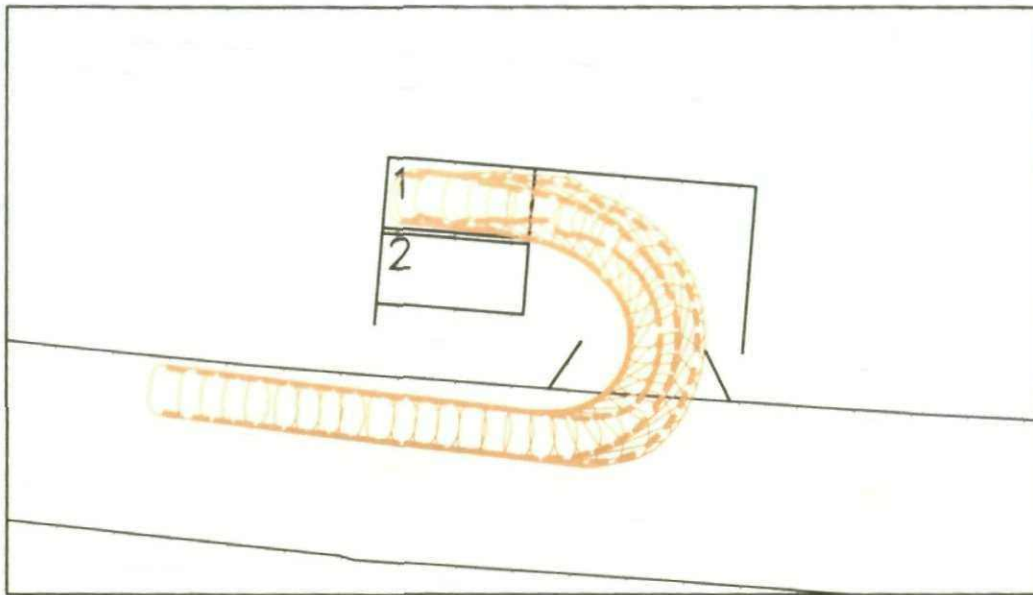
4 CONCLUSION

- 4.1 This statement shows that the proposed development and access proposals are considered to be acceptable in terms of access, visibility and road safety and will remove or significantly reduce potential hazards along Station Road.

APPENDICES

Appendix A

Scheme Proposals and Vehicle Swept Paths

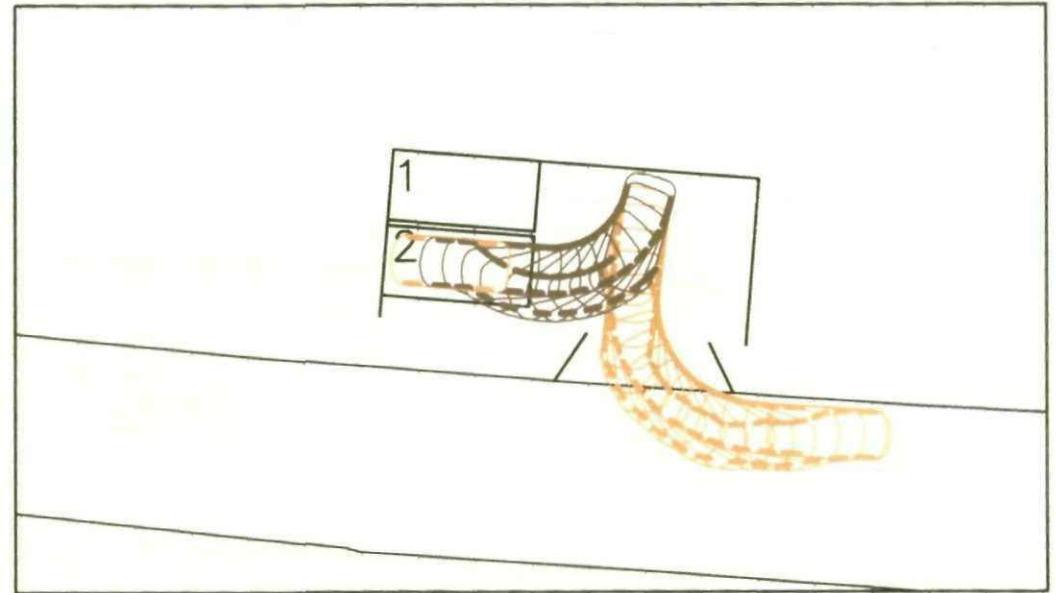
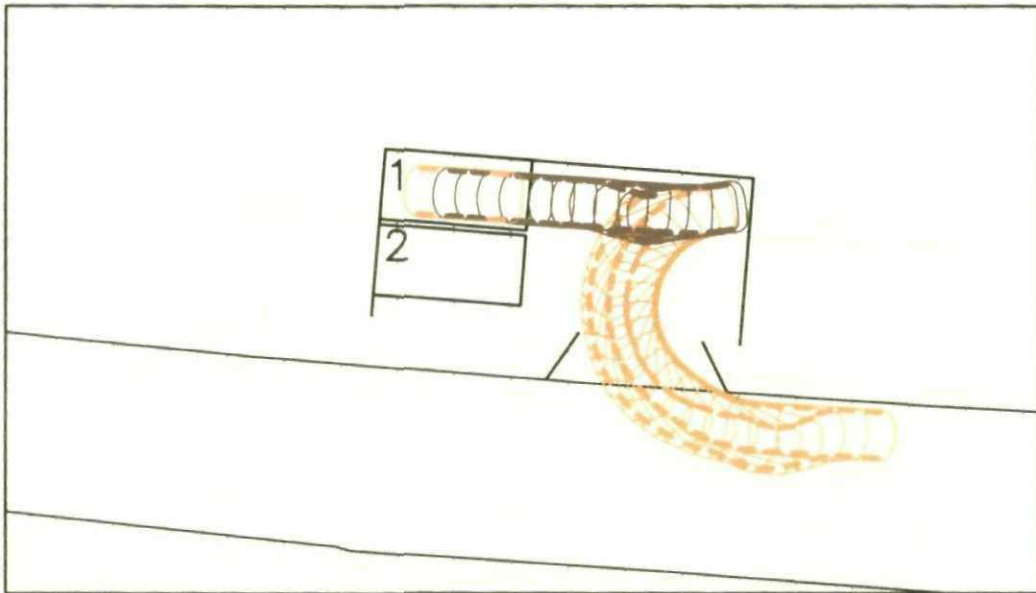
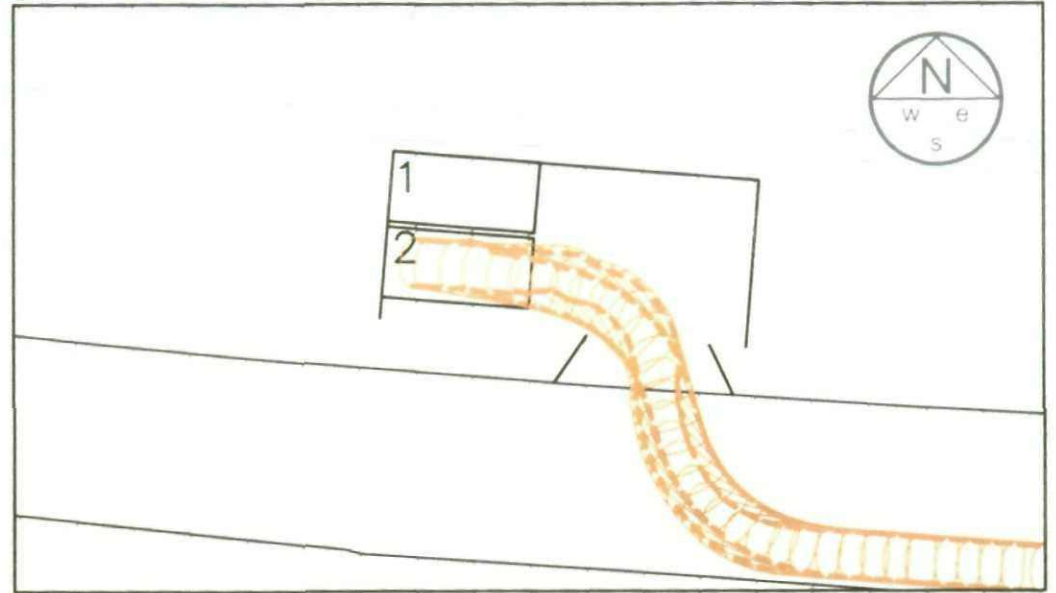
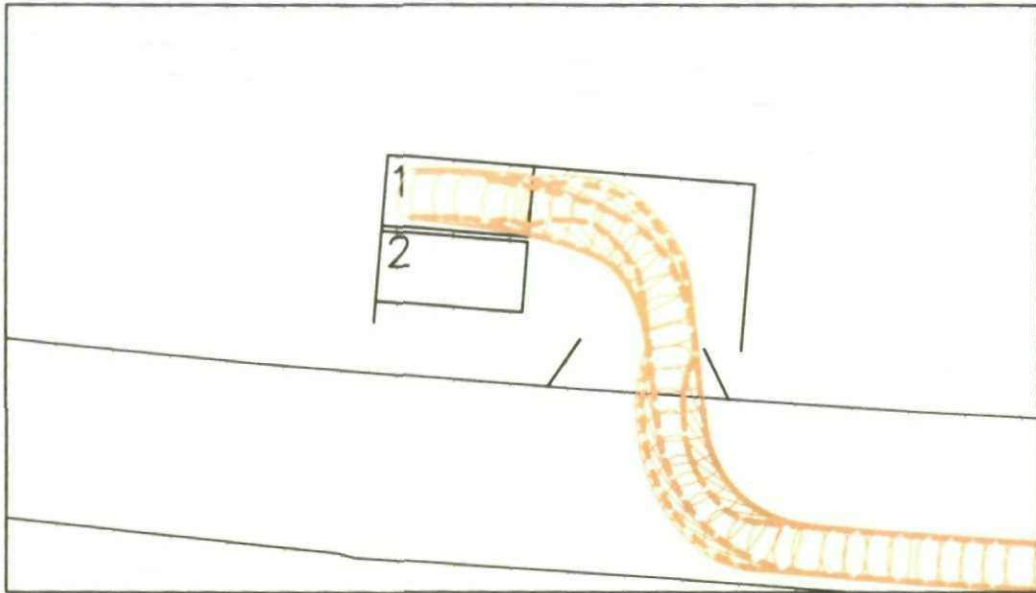


THIS DRAWING SHOWS THE PRELIMINARY DESIGN ONLY AND IS SUBJECT TO DETAILED DESIGN, TOPOGRAPHICAL SURVEY INFORMATION AND LOCAL AUTHORITY APPROVAL

HY CONSULTING Ltd
 UNIT 2 THE OFFICE CAMPUS
 RED HALL COURT
 PARAGON BUSINESS VILLAGE
 WAKEFIELD WF1 2UY
 tel: 01924 291536
 email: mail@hyconsulting.com

STATION ROAD, BARNSELY

SCALE
 1:250 ●A4
 DATE
 Apr 2010
 DRAWING No
 09048a



THIS DRAWING SHOWS THE PRELIMINARY DESIGN ONLY AND IS SUBJECT TO DETAILED DESIGN, TOPOGRAPHICAL SURVEY INFORMATION AND LOCAL AUTHORITY APPROVAL



HY CONSULTING Ltd
 UNIT 2 THE OFFICE CAMPUS
 RED HALL COURT
 PARAGON BUSINESS VILLAGE
 WAKEFIELD WF1 2UY
 tel: 01924 291536
 email: mail@hyconsulting.com

STATION ROAD, BARNSELY

SCALE
 1:250 ●A4
 DATE
 Apr 2010
 DRAWING No
 09048b

Appendix B
Speed Surveys



Time: 12:00

Day: Monday

Location: Station Road, Barnsley

85th Percentile: 30.76 mph

85th Percentile: 49.51 kph

No of Readings, n = 101

Job No.: 09048

Date: 30/03/2010

Direction: to worsbrough

Weather: Raining

Speed (mph)	No. of Readings	Sum of Speeds	Sum of v
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	1	15	225
16	0	0	0
17	1	17	289
18	1	18	324
19	3	57	1083
20	1	20	400
21	7	147	3087
22	5	110	2420
23	10	230	5290
24	8	192	4608
25	7	175	4375
26	13	338	8788
27	10	270	7290
28	10	280	7840
29	6	174	5046
30	4	120	3600
31	3	93	2883
32	3	96	3072
33	2	66	2178
34	0	0	0
35	2	70	2450
36	1	36	1296
37	1	37	1369
38	0	0	0
39	0	0	0
40	0	0	0
41	2	82	3362
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
Sub Total		2643	71275

Speed (mph)	No. of Readings	Sum of Speeds	Sum of v
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
81	0	0	0
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	0
86	0	0	0
87	0	0	0
88	0	0	0
89	0	0	0
Sub Total		0	0

$$\Sigma v^2 = 2643$$

Mean Speed, m = 26.16832

Standard Deviation, s = 4.60

$$(\Sigma v)^2 = 71275$$

CAR COUNTERS TRAFFIC AND PARKING SURVEYS
 2 NURSERY WOOD ROAD,
 BATLEY, WEST YORKSHIRE, WF17 6ED

Phone: 07515951822 Email: mail@ccsurveys.co.uk



Time: 12:00

Day: Monday

Location: Station Road, Barnsley

85th Percentile: 32.95 mph

85th Percentile: 53.03 kph

No of Readings, n = 100

Job No.: 09048

Date: 29/03/2010

Direction: from worsbrough

Weather: Raining

Speed (mph)	No. of Readings	Sum of Speeds	Sum of v
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	3	57	1083
20	1	20	400
21	5	105	2205
22	2	44	968
23	6	138	3174
24	3	72	1728
25	5	125	3125
26	5	130	3380
27	5	135	3645
28	15	420	11760
29	13	377	10933
30	6	180	5400
31	8	248	7688
32	5	160	5120
33	6	198	6534
34	3	102	3468
35	4	140	4900
36	1	36	1296
37	2	74	2738
38	1	38	1444
39	0	0	0
40	0	0	0
41	0	0	0
42	1	42	1764
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
Sub Total		2841	82753

Speed (mph)	No. of Readings	Sum of Speeds	Sum of v
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
81	0	0	0
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	0
86	0	0	0
87	0	0	0
88	0	0	0
89	0	0	0
Sub Total		0	0

$\Sigma v^2 = 2841$

Mean Speed, m = 28.41

Standard Deviation, s = 4.54

$(\Sigma v)^2 = 82753$

CAR COUNTERS TRAFFIC AND PARKING SURVEYS
 2 NURSERY WOOD ROAD,
 BATLEY, WEST YORKSHIRE, WF17 6ED

Phone: 07515951822 Email: mail@ccsurveys.co.uk