



SANDERSON
ASSOCIATES
(CONSULTING ENGINEERS) LTD

HIGHWAYS • TRAFFIC
TRANSPORTATION
WATER

Harborough Hill Road,
Barnsley
Supplementary
Transport Assessment

Ref: 2954/SB/03/005

October 2007

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Date 17/10/07

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Harborough Hill Road,
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Supplementary
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Harris Partnership drawing 6935-105G
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1. INTRODUCTION

- 1.1 Sanderson Associates (Consulting Engineers) Ltd have been commissioned by RWE npower to prepare a Supplementary Transport Assessment in relation to the former YEB site at Harborough Hill Road, Barnsley.
- 1.2 This Supplementary Transport Assessment relates to an extant outline planning permission (ref B/05/1339/BA) for retail development and seeks to provide a customer access onto Harborough Hill Road in conjunction with that from Interchange Way. Sanderson Associates prepared a Transport Assessment (ref 2954/04/004) which was submitted to support the application.
- 1.3 The extant outline planning permission is subject to a number of conditions including Condition no 32, which restricts the use of the access onto Harborough Hill Road for emergency access only and access to the NHS Building. Condition no 32 states:
- 1.4 *"Development shall not commence until details of measures to retain the Harborough Hill Road access/egress as an emergency access only, have been submitted and approved, in writing, by Local Planning Authority and such measures shall be retained at all times unless otherwise approved in writing by the local Planning Authority. In the interest of road safety.*

- 1.5 This Supplementary Transport Assessment accompanies a S73 application, which seeks to remove Condition no 32. This Supplementary Transport Assessment also accompanies a full planning application, which seeks to modify the approved access to provide a second alternative access to the extant planning permission for use as a customer access.
- 1.6 A Site Location Plan is shown in Figure 13 and the relationship to wider highway network is shown in Figure 14. The site area is approximately 1.9 hectares.
- 1.7 Sanderson Associates attended a meeting with Barnsley Metropolitan Borough Council on 16 May 2007 to discuss the potential of using the existing access from Harborough Hill Road to serve the site in conjunction with that from Interchange Way. A letter discussing these proposals was sent to Barnsley MBC on 30 May 2007; however we are still waiting for a response on this matter.

2. EXISTING CONDITIONS

Highway Network

- 2.1 The existing site can be found on the eastern side of Barnsley Town Centre, current access is from Harborough Hill Road and Mottram Street, although the Mottram Street access is no longer available since the construction of Interchange Way.
- 2.2 The local highway network surrounding the existing site comprises of the dual carriageway A61 Harborough Hill Road that runs in a north-south direction. Interchange Way which has recently been constructed forms the western boundary of the site; the new link road runs from a new signalised junction with Eldon Street in the north, to a new signalised junction with Kendray Street in the south.
- 2.3 Harborough Hill Road runs north from the Alhambra roundabout junction with West Way to the roundabout at Old Mill Lane. Harborough Hill Road is a dual carriageway. It is lit by street lights and is subject to a speed limit of 40mph. The carriageway is typically 7.3m with 3.65m lanes and a 1.2m kerbed centre reservation. In the vicinity of the site a merge slip road joins the main carriageway from Pontefract Road for north bound traffic. Towards the end of this merge slip road there is an existing adopted access into the site. This serves the site and the adjacent NHS property to the south of the site.

- 2.4 The Harborough Hill Road access is adopted highway and also serves Harborough House last used by the NHS and now owned by RWE npower. The present access could be used by both the NHS building and the former YEB site. The YEB site was previously used by Yorkshire Electricity as a depot, offices, commercial stores, scrap pens, outside storage (cables), employee welfare (canteen) and vehicle repair and maintenance.
- 2.5 A four storey office on the Harborough Hill Road frontage has been demolished. This had an approximate floor area of 1,300 sq m. The largest building area (the former workshop area / commercial stores) was arranged on two floors with a lower ground floor workshop/store and main stores area on the ground floor. The approximate floor areas are shown on Figure 21

Committed Development

- 2.6 Examination of the Town Centre development proposals show a 1,200 space car park on the former CEAG building site with access adjacent to the Jumble Lane Crossing and opposite the end of Interchange Way. There is also a one way exit (service access) just to the west (Town Centre side) of the level crossing. The Barnsley Markets Transport Assessment has been assessed; proposed traffic generations are indicated within there Transport Assessment however specific flows along the slip road to Harborough Hill Road have not been identified.

Speed Survey

- 2.7 Sanderson Associates undertook a survey of actual vehicular speeds on the slip road and along Harborough Hill Road on 22 March 2004. No change to the road network has occurred that might affect vehicle speeds. All readings were taken in dry weather conditions. Approximately 100 readings on both the slip road and Harborough Hill Road were obtained.
- 2.8 The vehicular speeds obtained excluded vehicles whose speeds were influenced by other vehicles and therefore only free flow traffic speeds were recorded.
- 2.9 The full results are contained in Appendix A but a summary of the results are as follows:

Harborough Hill Road	Slip Road	Harborough Hill Road
Average Speed	28.83 mph	36.90 mph
85th percentile wet weather speeds	28.16 mph (45.32 kph)	36.19 mph (58.24 kph)

Table 2.1: Speed Survey 22 March 2004

- 2.10 "Design Manual for Roads and Bridges" (DMRB) provides guidance on the recommended visibility to be achieved at new accesses and junctions when the major road is not classed as a street (within the context of Manual for Streets). The 85th wet weather speeds from the DMBR indicate a desirable minimum sight distance for the access on to Harborough Hill Road of 90m and one step below being 70m.

- 2.11 Manual for Streets also indicates that where the 85th percentile speeds is over 60km/h (37 mph), it may be appropriate to use longer stopping sight distances as set out in the DMRB. In this case the speeds on Harborough Hill Road are below 37 mph and therefore it is argued acceptable to have regard to the visibility obtained from Manual for Streets when assessing the potential harm to road safety.
- 2.12 Manual for Streets indicates that visibility is measured in both the horizontal and vertical planes. In the vertical plane visibility should be measured at a driver's eye height of 1.05m to an object 0.6m high. The corresponding figure from DMRB is 1.05m to an object height of 0.26m. The available visibility determined in the foregoing is based on 1.05m to 0.26m giving 70m. The corresponding figure at 1.05m to 0.6m is 90m
- 2.13 According to the recently published '**Manual for Streets**', a maximum 'y' distance of 65m is required on the down hill gradient along the main carriageway off Harborough Hill Road. This distance is below the visibility distance required by DMRB but this level of visibility is more than achievable on site, with a minimum value of 70m available.

3. ACCIDENT RECORDS

3.1 Accident data was obtained from Barnsley Metropolitan Borough Council over a five-year period between 1998 and 2002. These accidents have since been updated to cover between 2002 and 2007. The results are summarised in the following tables. The search area briefly comprised of Harborough Hill Road from, its junction with Old Mill Lane and Kendray Street. A copy of both sets of accident data and accident locations are included in Appendix B.

1998-2002 Accidents

Type & Severity	1998		1999		2000		2001		2002		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	SL	SE	
Overtaking	1				1		1				3
Right Turn					3				1		4
Left Turn			1								1
Going Ahead/Other	3		3	1	3		3	1	2	2	18
Rear Shunt	5		5		4		7		3		24
Cycle			1								1
Loss of Control							1				1
Totals	9		10	1	11		12	1	6	2	52

Table 1 – 1998-2002 Total Accidents

3.2 The 52 accidents have been broken down and summarised in the following tables. No accidents have been reported at or in the vicinity of the proposed site access on Harborough Hill Road.

Old Mill Lane/ Harborough Hill Road

Type & Severity	1999		2000		2001		Totals
	SL	SE	SL	SE	SL	SE	
Overtaking			1		1		2
Right Turn			1				1
Rear Shunt	1						1
Cycle	1						1
Ahead						1	1
Totals	2		2		1	1	6

Table 2 – Old Mill Lane/Harborough Hill Road

- 3.3 From the accident data it was determined that six accidents occurred on the roundabout at the junction between Old Mill Lane and Harborough Hill Road. Two involved pedestrians, one serious the other slight and resulted when pedestrians crossed in front of oncoming vehicles. Of the six, two occurred when overtaking manoeuvres were undertaken.

Harborough Hill Road (North of Site)

Type & Severity	1998		1999		2001		2002		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	
Overtaking	1								1
Rear Shunt	3		2		2		2		9
Ahead/Other	2			1	1			1	5
Totals	6		2	1	3		2	1	15

Table 3 - Harborough Hill Road (North of Site)

- 3.4 This group of accidents occurred north of the proposed site resulting in thirteen slight and two serious accidents. Of these three involved pedestrians either stepping out or running into traffic. A total of nine rear shunts occurred, mainly as vehicles waited at traffic lights or in queues of traffic from the Old Mill Lane Gyratory.

Harborough Hill Road (South of Site)

Type & Severity	1998		2001		2002		Totals
	SL	SE	SL	SE	SL	SE	
Rear Shunt	1		2		1		4
Totals	1		2		1		4

Table 4 - Harborough Hill Road (South of Site)

3.5 This was the smallest group of accidents, all resulting in slight rear shunts, and non-involved pedestrians. Three accidents happened in traffic queues, the remaining accident occurred when a vehicle entering onto the dual carriageway from the slip road collided into rear of a vehicle travelling on the dual carriageway.

Pontefract Road/Harborough Hill Road

Type & Severity	1998		1999		2000		2001		2002		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	SL	SE	
Going Ahead/Other	1		3		3		2		2	1	12
Loss of Control							1				1
Rear Shunt	1		2		2		3		2		10
Left Turn			1								1
Right Turn					2				1		3
Totals	2		6		7		6		5	1	27

Table 5 - Pontefract Road/Harborough Hill Road (Interchange)

3.6 The largest group of twenty-seven accidents occurred at the Pontefract Road/Harborough Hill Road interchange. Two main groups were identified, the first being rear shunts, resulting from vehicles failing to stop in time while in traffic queues at lights. The second group was the going ahead/other occurring when vehicles failed to give way/ stop at junctions. Only one serious accident was found. This involved the give way system. Only two accidents involved pedestrians, both were classed as slight.

2002-2007 Accidents

Type & Severity	2002		2003		2004		2005		2006		2007		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	SL	SE	SL	SE	
Red light							3		3				6
Turning	1		1										2
Other			3		2		3		2				10
Rear Shunt	3		2		1		2		2		1		11
Cycle									1				1
Pedestrian			1		1								2
Going Ahead	3	1	1		1		2				1		9
Loss of Control							1						1
Totals	7	1	8	0	5	0	11	0	8	0	2	0	42

Table 6 – 1998-2002 Total Accidents

- 3.7 The 42 accidents have been broken down and summarised in the following tables. Of these, 41 were classed as slight and one was classed as serious in severity. No fatal accidents were found to have been reported. No accidents have been reported at or in the vicinity of the proposed site access. The eight accidents that occurred in 2002 have not been analysed in this part of the report as they were analysed in the previous accident section.

Old Mill Lane/ Harborough Hill Road

Type & Severity	2003		2005		2006		2007		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	
Red Light			3		3				6
Other	2		1		2				5
Rear Shunt	2						1		3
Totals	4		4		5		1		14

Table 7 – Old Mill Lane/Harborough Hill Road

- 3.8 From the accident data it was determined that 14 accidents occurred on the roundabout at the junction between Old Mill Lane and Harborough Hill Road. Ten of these were associated with the junction of the south bound lane of Harborough Hill Road and the Peel Centre retail park. Six involved vehicles running red lights and colliding with other vehicles at the junction, three were rear shunts resulting from vehicles failing to stop in time.

Harborough Hill Road (North of Site) North Bound Traffic

Type & Severity	2003		2004		2005		Totals
	SL	SE	SL	SE	SL	SE	
Other			1				1
Rear Shunt			1		1		2
Pedestrian	1						1
Loss of Control					1		1
Totals	1		2		2		5

Table 8 - Harborough Hill Road (North of Site)

- 3.9 This group of accidents occurred north of the proposed site along the north bound side of the carriageway resulting in seven slight accidents. Of these two were rear shunts; one vehicle loss control and one accident involved a pedestrian stepping into traffic and causing two vehicles to collide.
- 3.10 A total of four accidents occurred along the south bound lane of Harborough Hill Road all these accidents were classed as slight.

Pontefract Road/Harborough Hill Road

Type & Severity	2003		2004		2005		2006		2007		Totals
	SL	SE	SL	SE	SL	SE	SL	SE	SL	SE	
Other	1		1		1				1		4
Rear Shunt					1		2				3
Going Ahead	1		1		2						4
Totals	2		2		4		2		1		

Table 9 - Pontefract Road/Harborough Hill Road (Interchange)

- 3.11 This group of accidents occurred at the Pontefract Road/ Harborough Hill Road interchange. One accident was associated with the North bound Slip Roads and the remaining accidents were associated with the south bound slip roads. The two main groups were identified, the first being rear shunts, resulting from vehicles failing to stop in time while in traffic queues/lights. The second group was the going ahead/other occurring when vehicles failed to give way/ stop at junctions.
- 3.12 The number, type and severity of the accidents which have occurred are considered typical of those expected along a dual carriageway and at junctions. There are no significant clusters or trend that could be considered to be cause for concern. No accidents have been reported at or in the vicinity of the proposed site access.

4. RETAIL DEVELOPMENT SCHEME Planning LPA
Ref:B/05/1339/BA

- 4.1 The outline planning permission was granted for 7060 sq m (76,000 sq ft) of retail floor space, sitting was reserved for future consideration. However, the outline application for retail development included an illustrative scheme drawing ref 6935-105G prepared by Harris Partnership, which showed a 40,000 sq ft retail unit with 36,000 sq ft at mezzanine level.
- 4.2 Means of access was determined as part of the outline planning permission, which comprised two access points. A new access from Interchange Way was proposed as well as retaining the existing access from Harborough Hill Road.

Proposed Access Arrangement

- 4.3 The S73 application and the full planning application seek to create a customer access onto Harborough Hill Road in addition to the access from Interchange Way. The Harborough Hill Road access will utilise the existing access which will be improved to more fully meet DMBR current standards. A total of 146 car parking spaces were shown on the indicative plan which accompanied the outline planning application under the retail development scheme lpa ref: B/05/1339/BA. However, as part of this new access proposal the number of parking spaces will be reduced to 134 spaces.

- 4.4 The proposed access from Harborough Hill Road is an improvement on the existing access. Harborough Hill Road consists of 3 lanes ranging between 3.25m to 3.5m in width. The proposed access on Harborough Hill Road consists of lanes between 3.25m and 5m in width, these accommodate the swept paths of large vehicles entering and exiting the site. 1.8m footways will be provided along Harborough Hill Road and on either side of the internal access roads. Crossing facilities are provided across the proposed access. Because of the dual carriageway layout the access will only allow vehicles to turn left in and left out of the access. The access arrangement is shown on Sanderson Associates drawing 2954-022 Rev A.
- 4.5 The proposed access improvement extends the merge length and provides a length of auxiliary lane along Harborough Hill Road. Any vehicles approaching the site from the slip road would not need to merge with traffic on the dual carriageway carrying straight ahead and then turning left into the site. The auxiliary lane also allows vehicles approaching along the dual carriageway to leave the through traffic stream and then again turn left into the site.
- 4.6 The stopping sight distance in the vertical plane is shown on drawing 2954/23 and indicates in Section A the sightline from a driver eye height of 1.05m to an object height of 0.26m. At these heights a 70m sightline is fully achievable. An approaching vehicle more than 1m in height would give a sightline of 101m, and an object height of 0.6m would give a sightline of 90m.

- 4.7 The achievable 70m sight line is in accordance with the one step below the desirable minimum sight distance of 70m given in the DMRB "Design Manual for Roads and Bridges" and exceeds the recommended visibility in the recently published '**Manual for Streets**', which gives a maximum 'y' distance of 65m taking into account the downhill gradient.
- 4.8 It should be recognised that the existing access was designed as an integral part of the Harborough Hill Road scheme when originally built. The previous access arrangements were considered adequate to serve the former NHS and YEB sites. The previous permitted uses were generating more traffic movements than is predicted as part of this current proposal.
- 4.9 The access on to Interchange Way provides an alternative option for customers accessing and egressing to destinations away from Harborough Hill Road.

5. TRAFFIC IMPACT

Previous use of the site

- 5.1 Traffic Generations for the existing site have previously been calculated within Sanderson Associates Transport Assessment (ref: 2954/04/004). The employment-warehousing (commercial) category was used to obtain trip rates for the weekday peak periods.

Monday-Friday	Trip Rates			Traffic Generation		
	A	D	T	A	D	T
08:00-09:00	0.35	0.08	0.43	8	2	10
17:00-18:00	0.09	0.36	0.45	2	9	11

- 5.2 In addition to the above we have searched for count data on a Saturday for the category employment- warehousing (commercial). Only two sites were found. TRICS rates for these two sites are shown below.

Sat 14:00-15:00	Trip Rates			Traffic Generation		
	A	D	T	A	D	T
Average	0.07	0.14	0.21	2	3	5

- 5.3 This traffic would have used the existing access on to Harborough Hill Road.
- 5.4 It is considered that previous use of the depot could have generated higher levels of traffic than have been estimated from the TRICS data base. No data for this specific use was found within TRICS. The sites contained in TRICS were not operated in the same way as the former YEB site. On this basis the flows are more likely to be higher given the nature of the depot. The existing site could be re-used within the present use class.

Traffic Generation

5.5 Traffic Generations for the permitted retail scheme have previously been calculated within Sanderson Associates Transport Assessment (ref: 2954/04/004). These traffic generations have been accepted by Barnsley MBC and are shown below.

5.6 The combined ground floor and mezzanine traffic generations for the average number of departures/ arrivals for weekday and Saturday is shown in the table below.

76,000 Retail- Excluding Food	Traffic Generation		
	A	D	T
Mon-Fri 08:00-09:00	36	17	50
Mon-Fri 17:00-18:00	71	78	149
Sat 14:00-15:00	230	216	447

5.7 The combined ground floor and mezzanine traffic generations are assigned to the highway network as shown on Figure 25 & 26 for the weekday and Saturday periods respectively.

5.8 The distribution of traffic was presented in the previous Transport Assessment and these were accepted. The distribution used was 20% of the generated traffic from the site would use the Harborough Hill Road access and the remaining 80% would use the Interchange Way Access. This is considered a robust assessment for the likely distribution of the development given the limited turning movement into the site from Harborough Hill Road.

- 5.9 Therefore from figures 25 & 26 the proposed development could generate a total of 32 and 97 two way vehicle movements through the Harborough Hill Road access in the pm weekday peak and Saturday peak respectively.

NHS site

- 5.10 The TRICS database (version 2007 (b) has been interrogated to obtain typical trip rates for the NHS building. The Employment-Office category has been used to obtain trip rates for the weekday morning and evening peak periods.
- 5.11 The table below indicates the trip rates together with the resultant traffic generated by 467sqm of office building.

Office 467sqm	Trip Rates			Traffic Generation		
	A	D	T	A	D	T
Mon-Fri 08:00-09:00	1.58	0.20	1.78	7	1	8
Mon-Fri 17:00-18:00	0.22	1.32	1.54	1	6	7

- 5.12 From the above table the NHS building site could generate a total of 8 and 7 two way vehicle movements in the am and pm weekday peaks respectively. All vehicles generated by the NHS building would use the proposed access off Harborough Hill Road. Typically traffic generations from offices are minimal on a Saturday as many offices are closed.
- 5.13 From the above generations for the previous use and NHS land a total of 18 movements in both the am and pm weekday peaks could operate through the Harborough Hill Road Access. These flows are shown on figure 29.

Summary

- 5.14 The proposed retail development could generate net increase of 21 vehicles in the week day pm peak and a net increase of 92 vehicles in the Saturday peak period when compared to the existing use of the site.

Trip Type Classification

- 5.15 It is unrealistic to assume all traffic from this development would be new trips to the highway network. The likely changes in car travel patterns can be defined by trip type. Trip types can be broken down into primary or linked trips:

- (i) **Primary** trips have the same origin prior to visiting the site as destination on leaving the site, whereas
- (ii) **Linked** trips are part of a chain of trips in which the visit to the development forms an intermediate point between two trip ends.

- 5.16 Primary trips can be divided into two further categories, newly generated and redistributed trips:

- (i) **Newly generated** trips – these are new primary trips to the network which would not be made if the new development did not exist, and
- (ii) **Transferred** trips – these primary trips were previously made to an existing centre and have transferred to the new development.

- 5.17 Linked trips can be subdivided into:

- (i) **Pass-by** trips – these are linked trips in which the development is an intermediate stop on the normal route taken which requires zero diversion.
- (ii) **Diverted** trips – these linked trips are similar to pass-by trips but require a diversion from the route that would otherwise be followed.

5.18 It is generally accepted that new retail development primarily results in a redistribution of existing shopping trips, rather than the creation of a large number of new trips.

5.19 It is considered that following proportions of trip types are produced from the retail unit trip attractions. These types were presented previously.

	Weekday		Saturday	
	Ar'vls	Dptrs	Ar'vls	Dptrs
Primary Transfer Existing	28	31	110	104
Primary Transfer New	7	8	28	26
Diverted Linked & Pass-by	36	39	92	86
Total	71	78	230	216

Retail Units Trips by Trip Type

5.20 It is considered that only Newly Generated Trips would be additional traffic on the highway network. Therefore 20% of the primary transfer new trips would be generated along Harborough Hill Road, this giving an additional 3 and 11 vehicles in the weekday PM peak and Saturday peaks respectively along Harborough Hill Road.

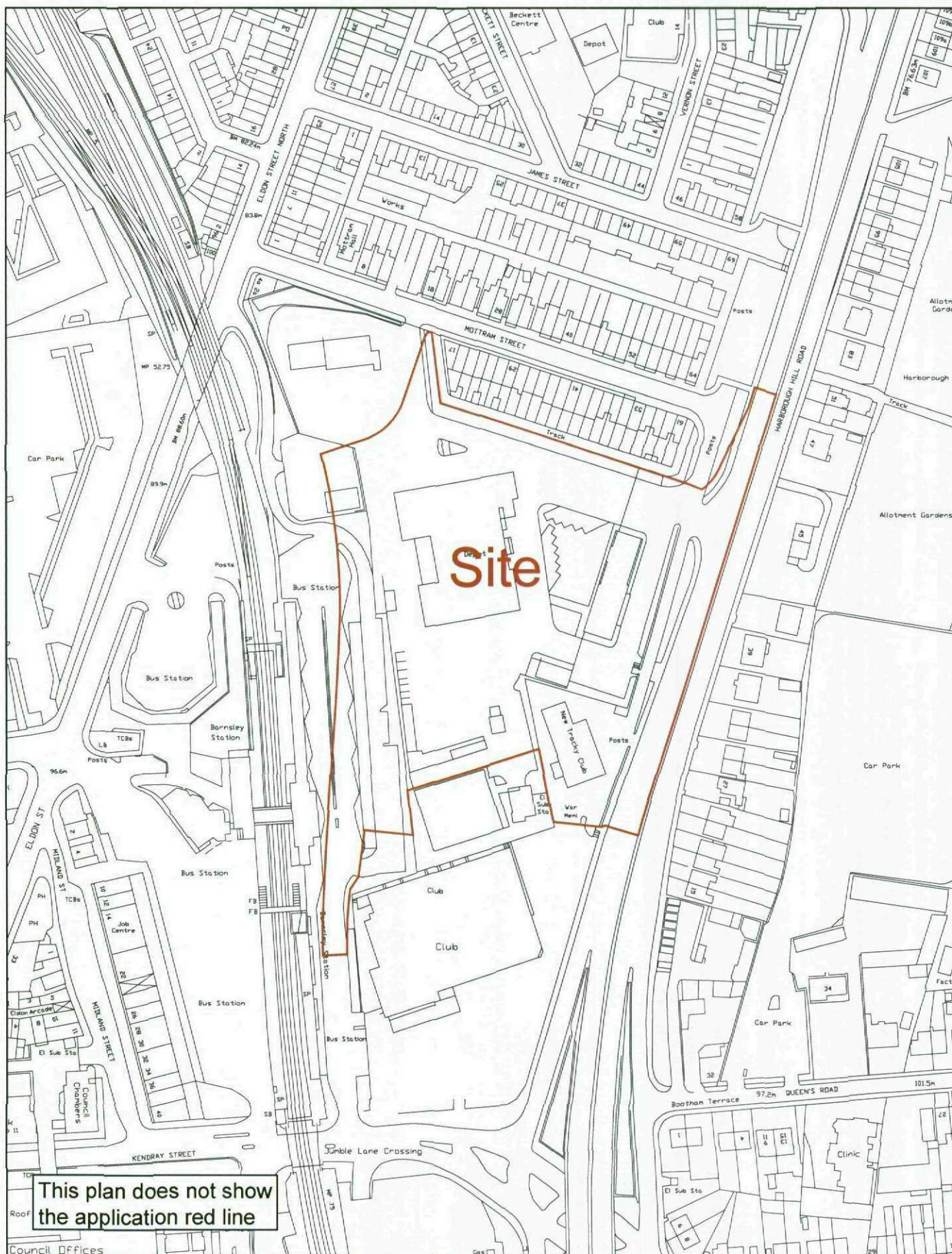
- 5.21 It is therefore considered that the development generated traffic will have no material impact on Harborough Hill Road or the wider highway network for both weekdays AM and PM peak hour periods and a Saturday bearing in mind the potential for shared, pass-by trips and the potential traffic generations of the site if used within its current planning use class.

6. CONCLUSIONS

- 6.1 The proposal seeks to modify the extant outline planning permission for retail development to allow customer access from Harborough Hill Road. The site is occupied by a number of buildings and previously an office block that has been demolished, which were previously used as a former YEB depot, engineering and storage facility. Access was from Mottram Street and Harborough Hill Road, this being the primary access. Whilst the site is currently vacant there is potential for the site to be used within its current planning use class and could generate substantial traffic flows without restriction.
- 6.2 The traffic generation from the proposed and existing uses has been assessed and distributed on the highway network. Access is proposed from Harborough Hill Road, a new access road is to be constructed in a similar location to the existing access. The access is to be provided with crossing facilities. Due to the dual carriageway the access will only allow vehicles to turn left in and left out of the access. The proposed access improvements also extend the merge length and provide a length of auxiliary Lane along Harborough Hill Road.
- 6.3 It is considered that the development generated traffic will have no material impact on Harborough Hill Road or the wider highway network for both AM and PM weekday and Saturday peak hour periods bearing in mind the potential for shared, pass-by trips and the potential traffic generations of the site if used within its current planning use class.

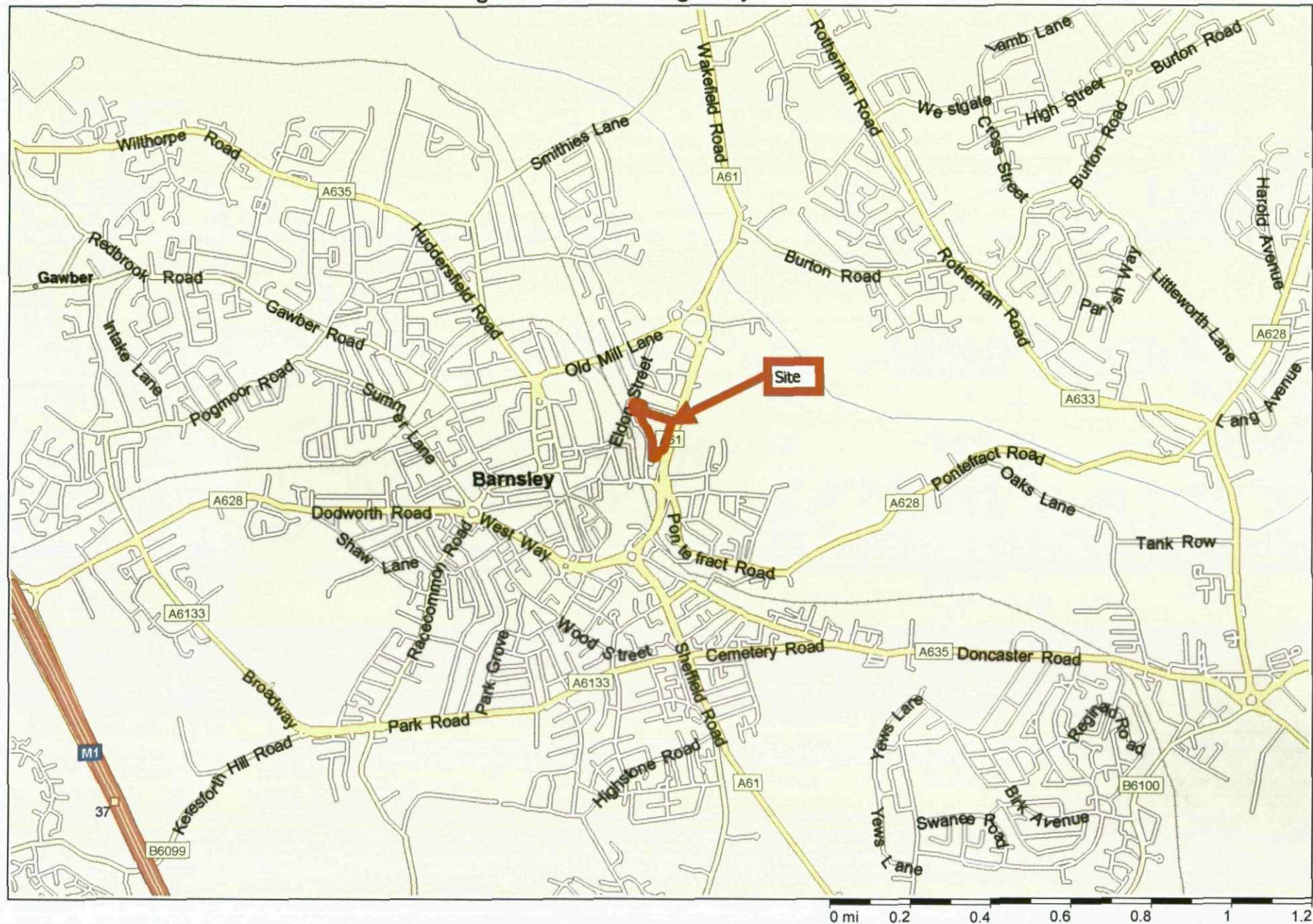
- 6.4 Road safety on adjacent roads has been assessed and whilst there have been a number of accidents along Harborough Hill Road, it is considered that the traffic generated by the development will have no material harm to road safety again taking into account the potential for shared and pass-by trips, and the existing use of the site. Road safety for pedestrians will be improved with the provision of the pedestrian refuge islands, crossing facilities at the proposed accesses and the path through the site. The interchange redevelopment will enhance pedestrian accessibility to the development and provide for pedestrian linked trips.
- 6.5 The development is in a highly sustainable location being immediately adjacent to the bus and train stations together with its 'edge of centre' location with respect to the principal town centre shopping areas. This again suggests that the proportion of linked trips will be high.
- 6.6 It is considered that there are no material highway or transportation reasons why the development should not proceed as proposed.

FIGURES



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	YE Site Harbrough Hill Road, Barnsley		Checked DJC	Date OCT 07	
			Approved DJC	Drawing Number Figure 13	Rev A

figure 14 Wider Highway Network



KEY

00 AM PEAK HOUR
00 PM PEAK HOUR

MULTI STOREY
CAR PARK

OFFICE CAR
PARK

EAST BUS
STATION

SOUTH BUS
STATION

NORTH BUS
STATION

DETAILS TAKEN FROM SOUTH
YORKSHIRE PASSENGER
TRANSPORT EXECUTIVE,
BARNLEY INTERCHANGE
TRANSPORT ASSESSMENT
FIGURE 7

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Barnley Interchange
Base Year Traffic Flows (PCUs)

YE Site, Harborough Hill Road
Barnley

rev amendment

date

chkd

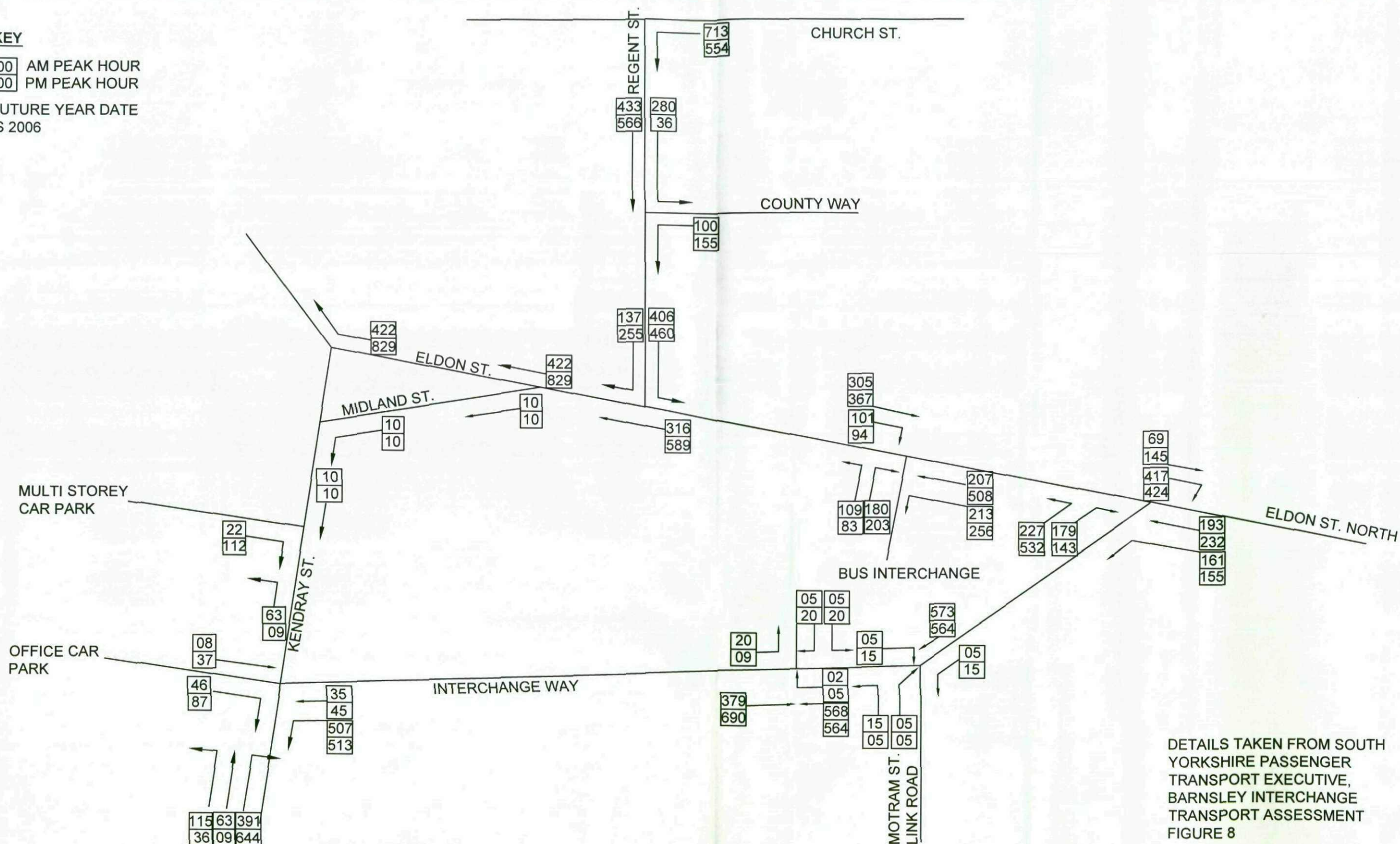
Drawn SB	Scale NTS	
Checked DJC	Date Jan 05	
Approved DJC	Drawing Number Figure 17	Rev

AUTOCAD REF:

KEY

00 AM PEAK HOUR
00 PM PEAK HOUR

FUTURE YEAR DATE
IS 2006



DETAILS TAKEN FROM SOUTH
YORKSHIRE PASSENGER
TRANSPORT EXECUTIVE,
BARNSELY INTERCHANGE
TRANSPORT ASSESSMENT
FIGURE 8



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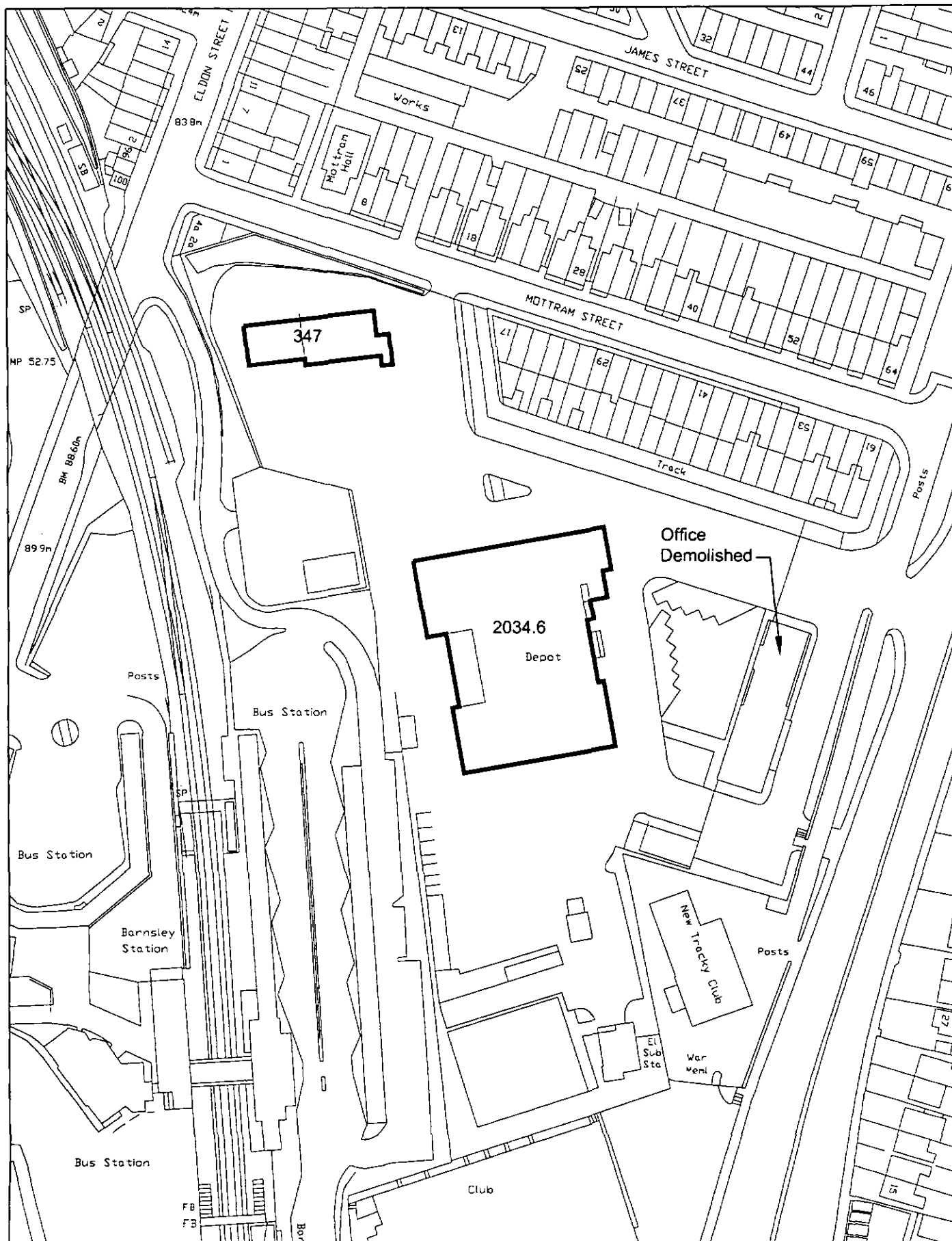
(CONSULTING ENGINEERS) LTD
HIGHWAYS, TRAFFIC AND TRANSPORTATION
Tel: (01484) 519333 Fax: (01484) 519444
E-Mail: mail@sandersonassociates.co.uk
Web site: www.sandersonassociates.co.uk

**Barnsley Interchange
Future Year Traffic Flows**

**YE Site, Harborough Hill Road
Barnsley**

Drawn SB	Scale NTS	
Checked DJC	Date Jan 05	
Approved DJC	Drawing Number Figure 18	Rev

rev amendment date chkd



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Web site: www.sandersonassociates.co.uk

Floor Areas of Pervious Use

**YE Site, Harbrough Hill Road
Barnsley**

Drawn
SB

Scale
1:1250

Checked
DJC

Date
Jan 05

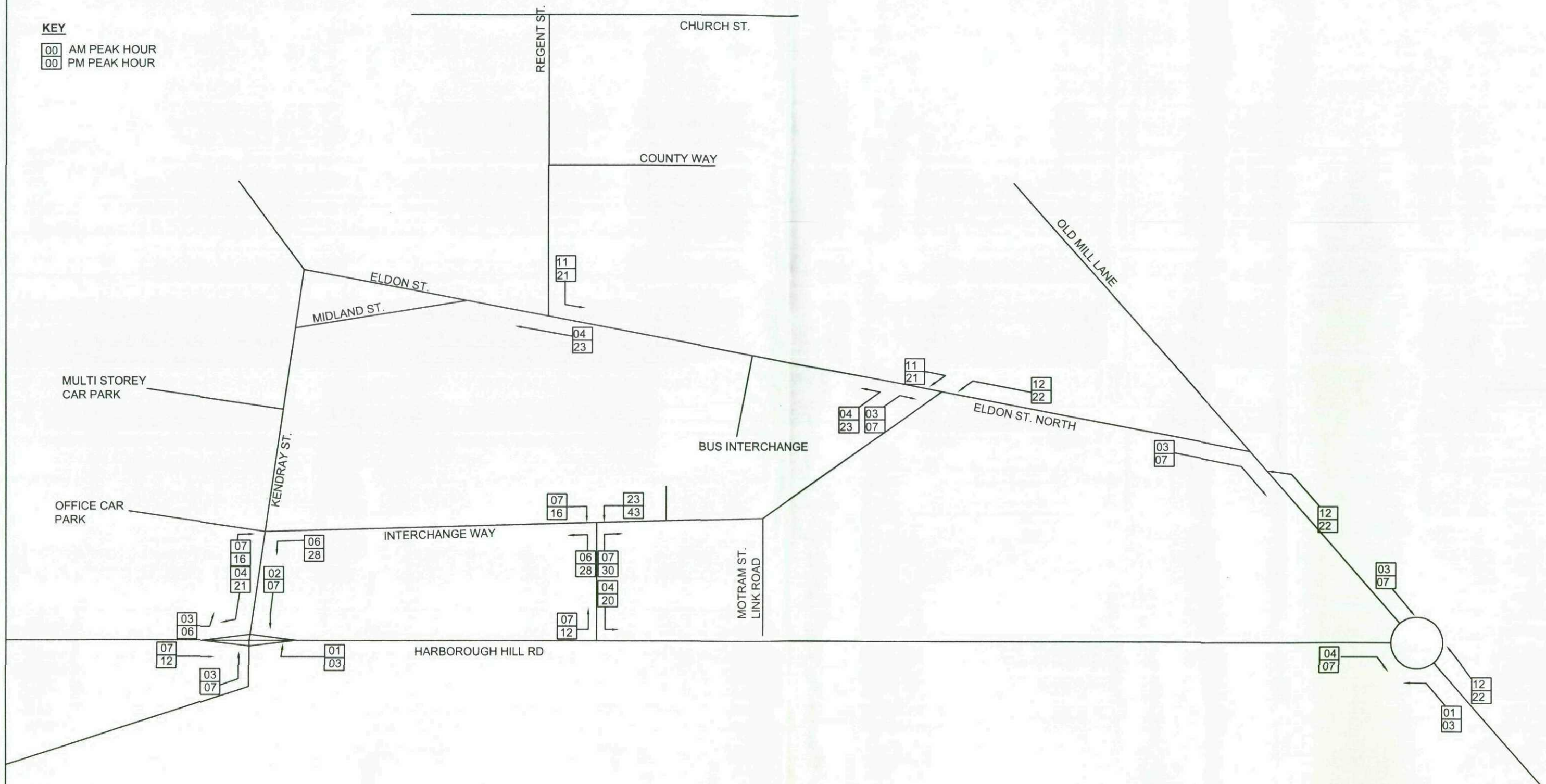
Approved
DJC

Drawing Number
Figure 21

Rev

KEY

00 AM PEAK HOUR
00 PM PEAK HOUR



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Tel: (01484) 519333 Fax: (01484) 519444
E-Mail: mail@sandersonassociates.co.uk
Web site: www.sandersonassociates.co.uk

**Development Traffic Flows
(Monday-Friday)**

**YE Site, Harbrough Hill Road
Barnsley**

rev amendment

date

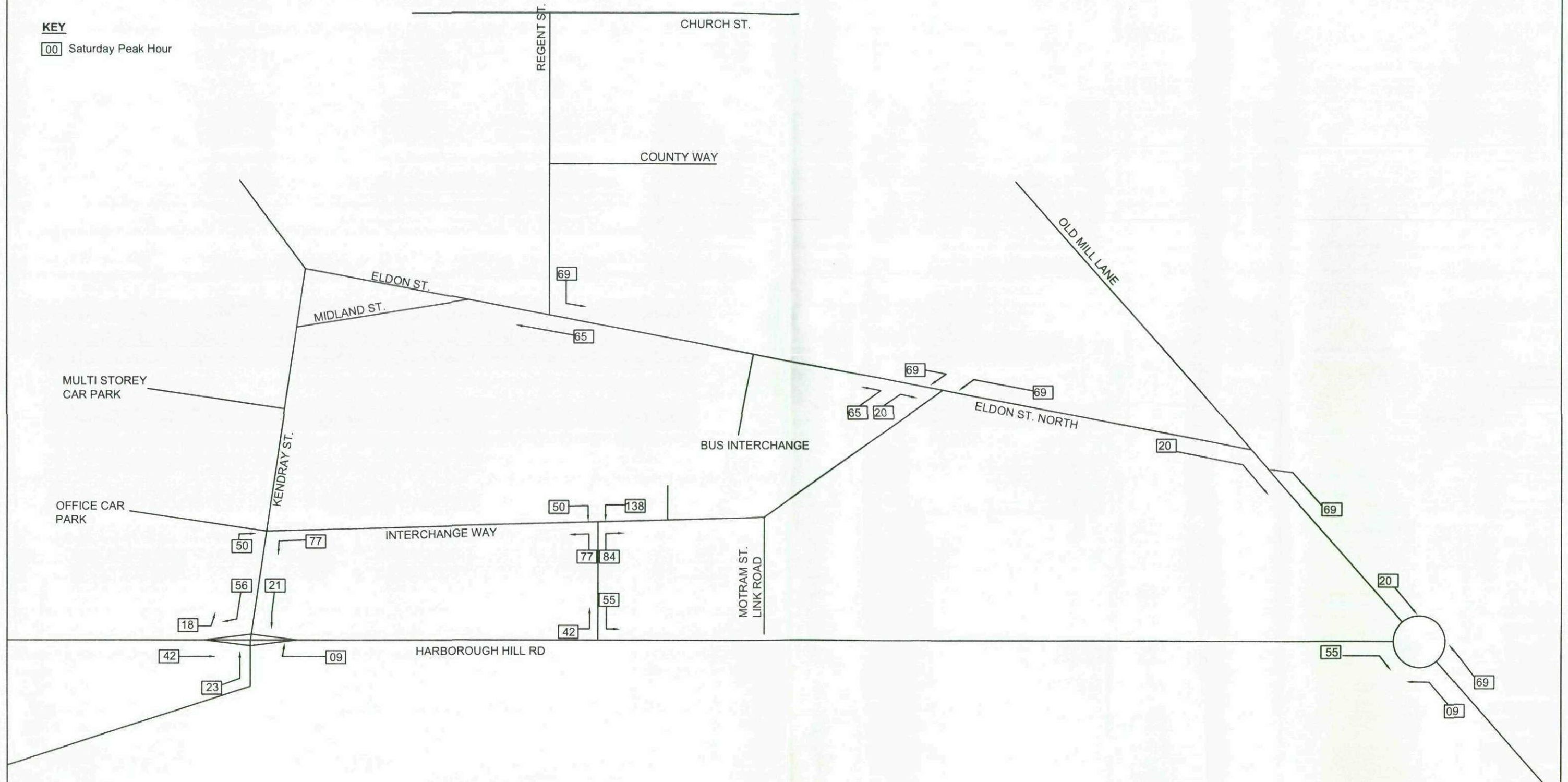
chkd

Drawn SB	Scale NTS	
Checked DJC	Date Jan 05	
Approved DJC	Drawing Number Figure 25	Rev

AUTOCAD REF:

KEY

00 Saturday Peak Hour



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E-Mail: mail@sandersonassociates.co.uk
Web site: www.sandersonassociates.co.uk

**Development Traffic Flows
(Saturday)**

**YE Site, Harbrough Hill Road
Barnsley**

rev amendment

date

chkd

Drawn

SB

Scale

NTS

Checked

DJC

Date

Jan 05

Approved

DJC

Drawing Number

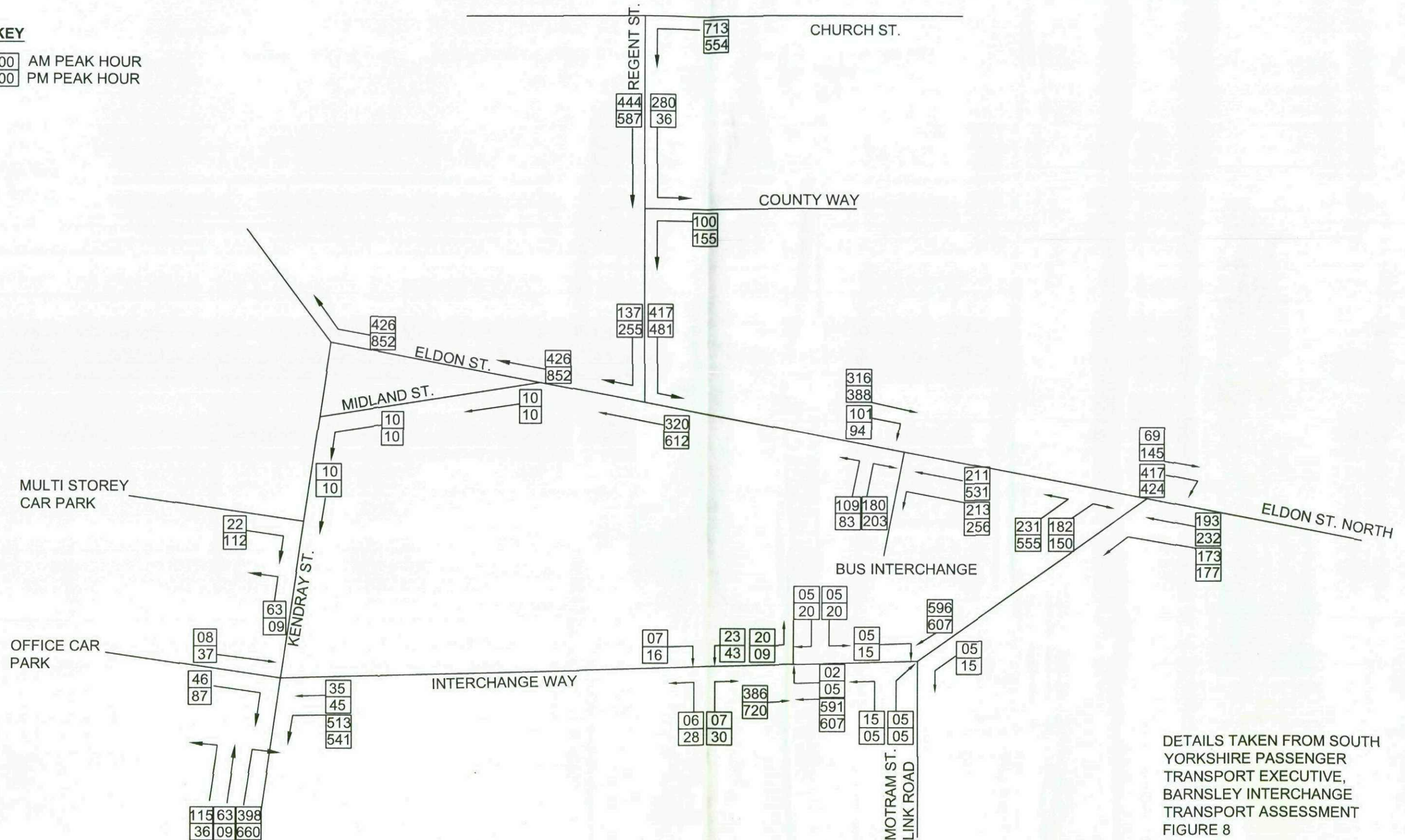
Figure 26

Rev

AUTOCAD REF:

KEY

00 AM PEAK HOUR
00 PM PEAK HOUR



DETAILS TAKEN FROM SOUTH
YORKSHIRE PASSENGER
TRANSPORT EXECUTIVE,
BARNSELY INTERCHANGE
TRANSPORT ASSESSMENT
FIGURE 8



**SANDERSON
ASSOCIATES**

(CONSULTING ENGINEERS) LTD
HIGHWAYS, TRAFFIC AND TRANSPORTATION
Tel: (01484) 519333 Fax: (01484) 519444
E-Mail: mail@sandersonassociates.co.uk
Web site: www.sandersonassociates.co.uk

**Barnsley Interchange
Traffic Flows + Developent Site**

**YE Site, Harborough Hill Road
Barnsley**

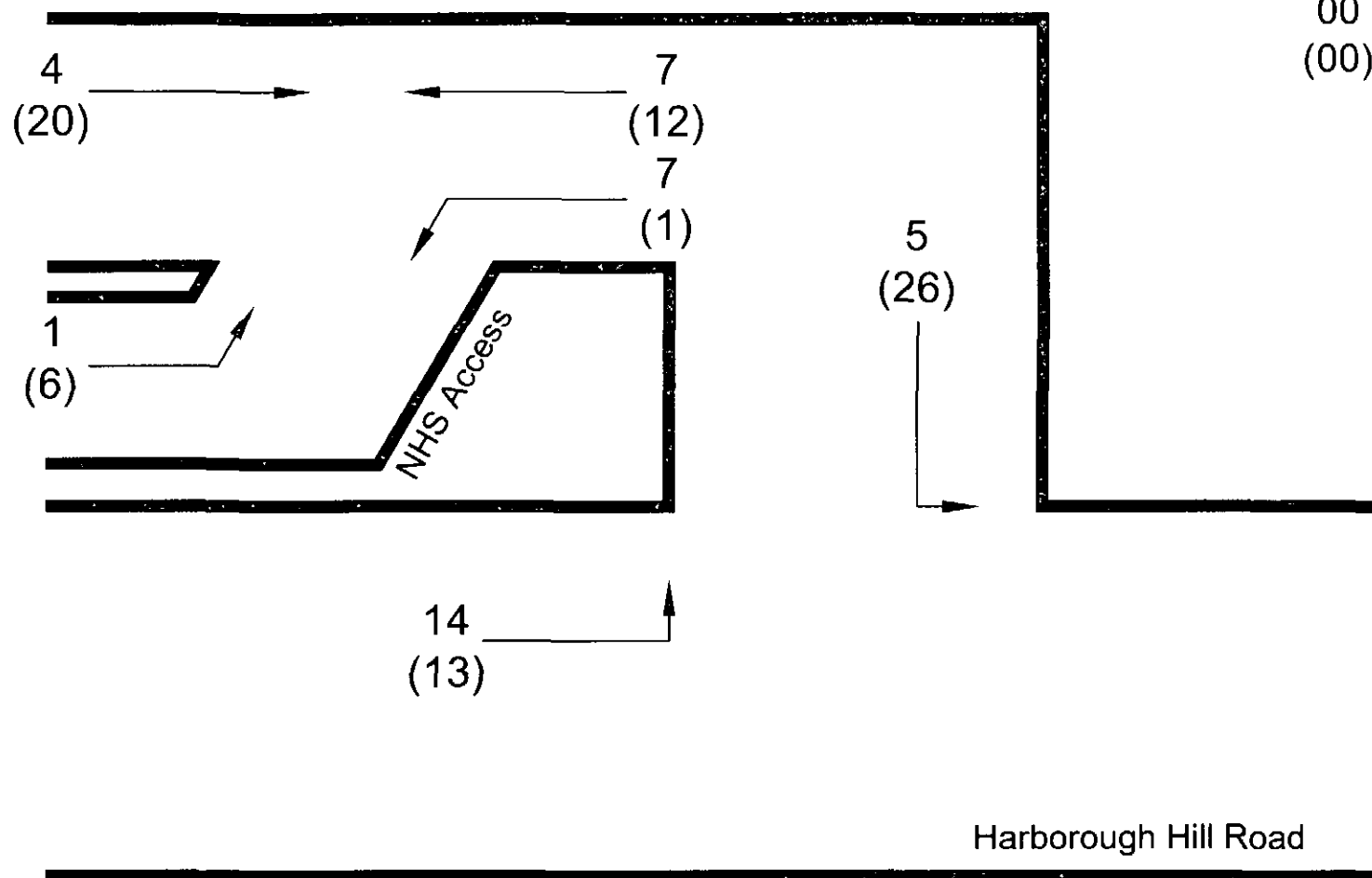
Drawn SB	Scale NTS	
Checked DJC	Date Jan 05	
Approved DJC	Drawing Number Figure 27	Rev

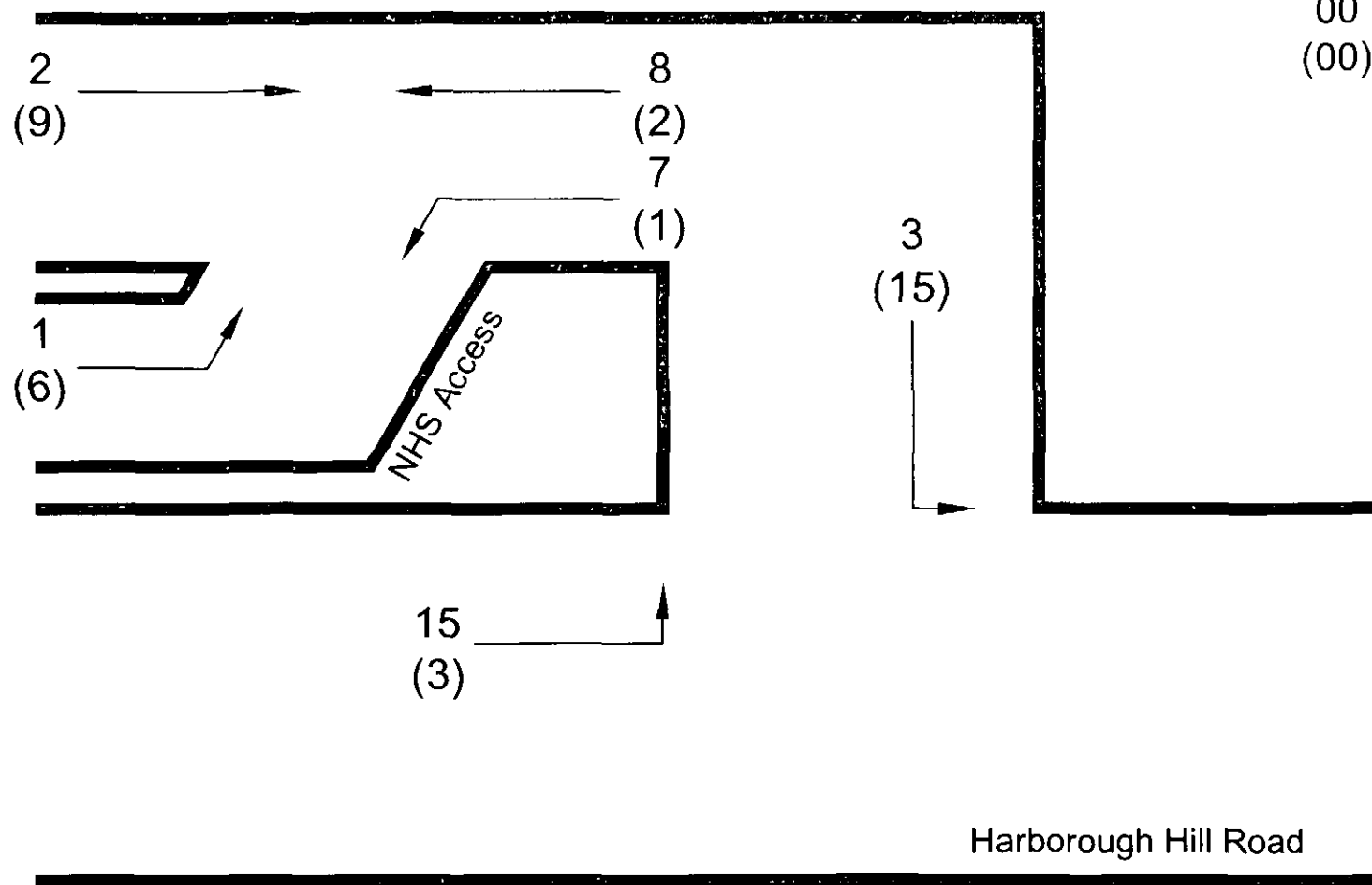
rev amendment

date

chkd

AUTOCAD REF:





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 E-Mail: mail@sandersonassociates.co.uk
 Web site: www.sandersonassociates.co.uk

**PROPOSED DEVELOPMENT
HARBOROUGH HILL ROAD
BARNSELY**

**EXISTING TRAFFIC FLOWS FROM
HARBOROUGH HILL ROAD ACCESS**

Drawn SB	Scale NTS	
Checked DJC	Date AUGUST 07	
Approved DJC	Drawing Number FIGURE 29	Rev

APPENDICES

APPENDIX A



SANDERSON ASSOCIATES (CONSULTING ENGINEERS) LTD
24 Wakefield Road, Waterloo, Huddersfield, HD5 0HA

Tel: 01484 519333
Fax: 01484 519444

SPEED SURVEY

Location YE site, Harbough Hill Road, Barnsley
Direction of Travel Slip Road

Job Number 2954
Date of Survey 22/03/04
Start Time 10:54
Finish Time 11:22

Speed	No. of Readings	Speed	No. of Readings	Speed	No. of Readings	Speed	No. of Readings
1		26	7	51		76	
2		27	8	52		77	
3		28	9	53		78	
4		29	13	54		79	
5		30	8	55		80	
6		31	8	56		81	
7		32	3	57		82	
8		33	9	58		83	
9		34	4	59		84	
10		35	3	60		85	
11		36	1	61		86	
12		37	1	62		87	
13		38	3	63		88	
14		39		64		89	
15		40	1	65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19	1	44		69		94	
20		45		70		95	
21	4	46		71		96	
22	2	47		72		97	
23	4	48		73		98	
24	7	49		74		99	
25	4	50		75		100	

Number of Readings = 100

Dual C'way Y/N? y

Mean Speed = 28.83

Single C'way Y/N? n

Standard Deviation = 4.3042263

Wet Road Surface Y/N? n

85 Percentile Speed = 33.134226

85 Percentile Wet Weather Speed = 28.163226 <<<<

Note: Insert Y or N in boxes against carriageway type and road surface condition and then use 85 percentile speed as marked with <<<<.



SANDERSON ASSOCIATES (CONSULTING ENGINEERS) LTD
24 Wakefield Road, Waterloo, Huddersfield, HD5 0HA

Tel: 01484 519333
Fax: 01484 519444

SPEED SURVEY

Location YE site Harborough Hill Road, Barnsley
Direction of Travel Dual Carraige way

Job Number 2954
Date of Survey 22/03/04
Start Time 10:54
Finish Time 11:13

Speed	No. of Readings	Speed	No. of Readings	Speed	No. of Readings	Speed	No. of Readings
1		26	2	51		76	
2		27		52		77	
3		28	1	53		78	
4		29		54		79	
5		30	1	55		80	
6		31	5	56		81	
7		32	4	57		82	
8		33	7	58		83	
9		34	7	59		84	
10		35	11	60		85	
11		36	16	61		86	
12		37	10	62		87	
13		38	2	63		88	
14		39	10	64		89	
15		40	6	65		90	
16		41	4	66		91	
17		42	4	67		92	
18		43	4	68		93	
19		44	3	69		94	
20		45	3	70		95	
21		46	1	71		96	
22		47		72		97	
23		48	1	73		98	
24		49		74		99	
25		50		75		100	

Number of Readings = 102

Dual C'way Y/N? y

Mean Speed = 36.901961

Single C'way Y/N? n

Standard Deviation = 4.2578054

Wet Road Surface Y/N? n

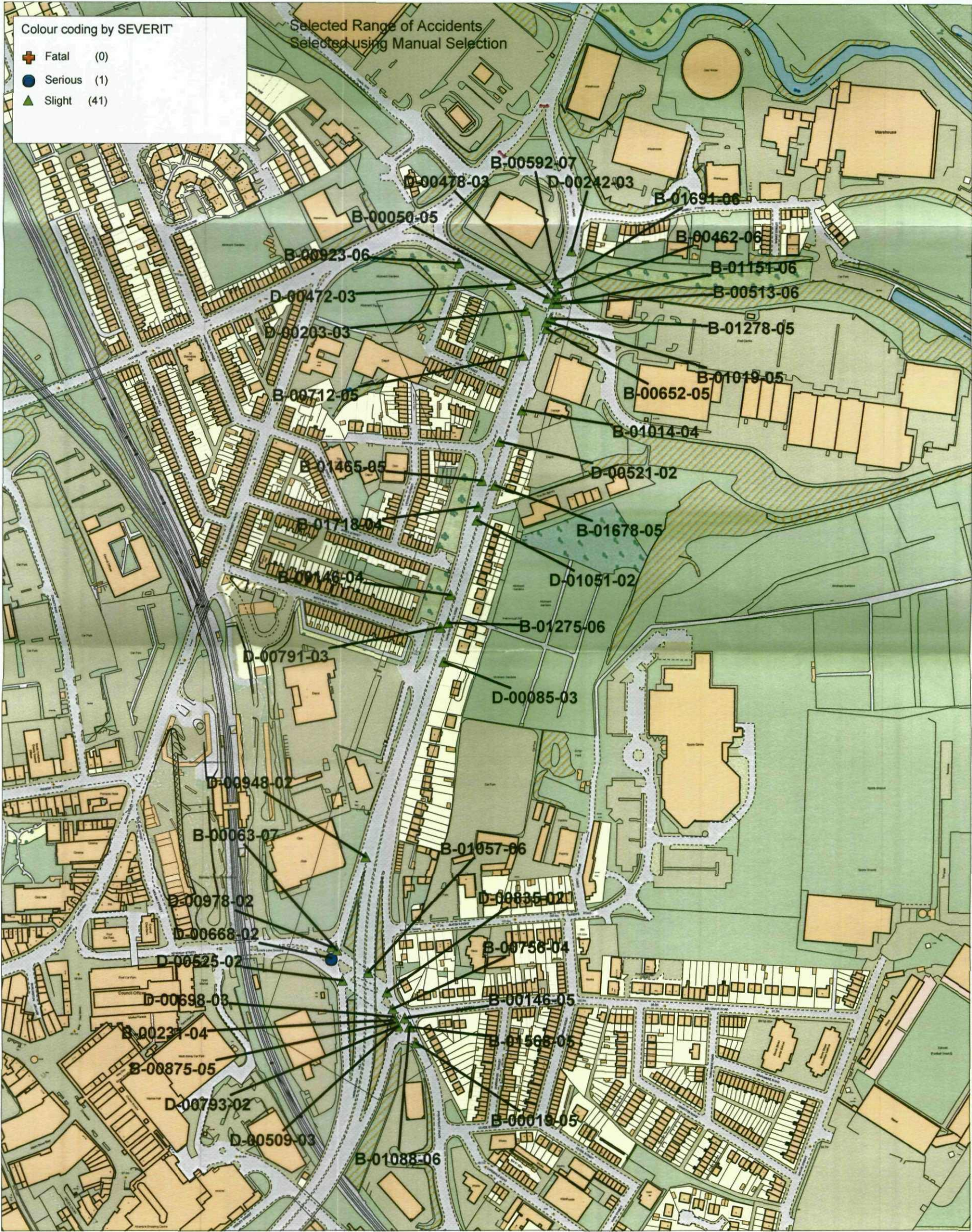
85 Percentile Speed = 41.159766

85 Percentile Wet Weather Speed = 36.188766 <<<<

Note: Insert Y or N in boxes against carriageway type and road surface condition and then use 85 percentile speed as marked with <<<<.

APPENDIX B





	Selected map area	Her Majesty's Office (c) Crown Copyright Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office (c) Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Rotherham MBC Licence No. 100019587 South Yorkshire LTP Partnership Licence No. 100019587 2007		SCALE	1 : 3500
				DATE	28/08/2007
				DRAWING No.	
				DRAWN BY	

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

Police Ref.	Date	Cas.	Sev.	Cycs	Peds	Ch	OAP's	Vis.	Manv.	Road Cond.	Time	Location
D-00521-02	05/07/2002	1	Slight	0	0	0	0	Light	No turn	Wet/Damp	1253	HARBOROUGH HILLS BARNSLEY J/W DENTON ST
D-00525-02	10/07/2002	1	Slight	0	0	1	0	Light	No turn	Wet/Damp	1645	KENDRAY ST BARNSLEY AT J/W HARBOROUGH HILL SLIP RD
D-00668-02	31/08/2002	1	Serious	0	0	0	0	Light	No turn	Dry	0940	PONTEFRACT RD BARNSLEY 20 FT FROM J/W SHEFFIELD RD
D-00793-02	12/10/2002	2	Slight	0	0	0	0	Dark	No turn	Dry	1850	PONTEFRACT RD BARNSLEY AT J/W HARBROUGH HILL RD
D-00835-02	25/10/2002	1	Slight	0	0	0	0	Light	Right	Wet/Damp	1230	PONTEFRACT RD BARNSLEY AT J/W SLIP RD TO HARBOROUGH HILL
D-00948-02	29/11/2002	2	Slight	0	0	0	1	Light	No turn	Dry	1310	HARBOROUGH HILL RD BARNSLEY
D-00978-02	06/12/2002	2	Slight	0	0	0	0	Light	No turn	Wet/Damp	1335	KENDRAY ST BARNSLEY AT J/W HARBOROUGH HILLS SLIP RD
D-01051-02	23/12/2002	4	Slight	0	0	1	0	Dark	No turn	Wet/Damp	1651	HARBOROUGH HILL RD BARNSLEY 50 MTS FROM DENTON ST
D-00085-03	29/01/2003	1	Slight	0	0	0	1	Light	Left	Dry	1135	HARBOROUGH HILLS RD BARNSLEY 150 YRDS FROM PONTEFRACT F
D-00203-03	05/03/2003	3	Slight	0	0	0	1	Light	No turn	Dry	1230	HARBOROUGH HILL BARNSLEY AT J/W B & Q R/ABOUT
D-00242-03	28/03/2003	2	Slight	0	0	0	0	Light	No turn	Dry	1145	HARBOROUGH HILLS RD BARNSLEY 20 YDS HARBOROUGH HILLS RI
D-00472-03	16/06/2003	1	Slight	0	0	0	0	Light	No turn	Dry	1230	HARBOROUGH HILLS RD BARNSLEY J/W B&Q ROUNDABOUT
D-00478-03	17/06/2003	1	Slight	0	0	0	0	Light	No turn	Dry	0905	HARBOROUGH HILLS RD BARNSLEY 30 YDS FROM DRYDEN RD
D-00509-03	30/06/2003	1	Slight	0	0	0	0	Light	Right	Wet/Damp	0815	PONTEFRACT RD BARNSLEY J/W HARBOROUGH HILLS SLIP RD
D-00698-03	09/09/2003	3	Slight	0	0	0	0	Light	Right	Wet/Damp	1250	PONTEFRACT RD BARNSLEY AT J/W SLIP RD TO HARBOROUGH HILL
D-00791-03	13/10/2003	1	Slight	0	1	1	0	Dark	No turn	Dry	1825	HARBOROUGH HILL RD BARNSLEY 50 MTS FROM MOTTRAM ST
B-00146-04	23/01/2004	3	Slight	0	0	0	0	Dark	No turn	Wet/Damp	1700	HARBOROUGH HILLS RD BARNSLEY 25 MTS FROM SLIP RD TO JAME
B-00231-04	06/02/2004	2	Slight	0	0	0	1	Dark	No turn	Wet/Damp	2120	PONTEFRACT ROAD BARNSLEY 5MTS JUMBLE LANE
B-00756-04	02/06/2004	1	Slight	0	0	0	1	Light	No turn	Dry	1115	EASTERN RELIEF RD BARNSLEY AT J/W PONTEFRACT RD
B-01014-04	30/07/2004	2	Slight	0	1	1	1	Light	No turn	Dry	1620	HARBROUGH HILLS ROAD BARNSLEY 2MTS FROM ENTERPRISE GA
B-01718-04	10/12/2004	1	Slight	0	0	0	0	Dark	No turn	Wet/Damp	1702	HARBOROUGH HILLS ROAD BARNSLEY 50MTS DENTON STREET
B-00019-05	06/01/2005	1	Slight	0	0	0	0	Dark	Right	Wet/Damp	1645	PONTEFRACT RD BARNSLEY 1 MTR FROM JUMBLE LN
B-00050-05	15/01/2005	1	Slight	0	0	0	0	Light	No turn	Dry	1225	HARBOROUGH HILLS BARNSLEY
B-00146-05	31/01/2005	1	Slight	0	0	0	0	Light	Right	Wet/Damp	1200	PONTEFRACT RD BARNSLEY AT J/W BALA ST
B-00652-05	16/05/2005	1	Slight	0	0	0	0	Light	No turn	Dry	2017	A61 HARBOROUGH HILL RD AT J/W DRYDEN RD
B-00712-05	27/05/2005	1	Slight	0	0	0	0	Light	No turn	Dry	0812	HARBOROUGH HILL RD BARNSLEY
B-00875-05	29/06/2005	1	Slight	0	0	0	0	Light	No turn	Wet/Damp	1215	PONTEFRACT ROAD BARNSLEY AT J/W KENDRAY ST
B-01019-05	31/07/2005	1	Slight	0	0	0	0	Light	No turn	Dry	1806	HARBOROUGH HILL RD BARNSLEY J/W DRYDEN RD
B-01278-05	17/09/2005	1	Slight	0	0	0	1	Light	Left	Dry	1030	HARBOROUGH HILL RD BARNSLEY
B-01465-05	18/10/2005	5	Slight	0	0	1	0	Light	No turn	Dry	1720	HARBOROUGH HILLS BARNSLEY J/W DENTON ST

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

Police Ref.	Date	Cas.	Sev.	Cycs	Peds	Ch	OAPs	Vis.	Manv.	Road Cond.	Time	Location
B-01568-05	08/11/2005	1	Slight	0	0	0	0	Light	Left	Dry	1800	BALA STREET BARNSLEY J/W PONTEFRACT RD
B-01678-05	23/11/2005	1	Slight	0	0	0	0	Dark	No turn	Dry	2151	HARBOROUGH HILL RD BARNSLEY AT J/W WESTWAY
B-00462-06	06/04/2006	1	Slight	0	0	0	0	Light	No turn	Dry	1440	HARBOROUGH HILLS RD BARNSLEY AT J/W PEEL CENTRE
B-00513-06	16/04/2006	3	Slight	0	0	0	1	Light	No turn	Dry	1355	HARBOROUGH HILL RD BARNSLEY AT J/W DRYDEN RD
B-00923-06	19/07/2006	1	Slight	0	0	0	1	Light	No turn	Dry	1015	HARBOROUGH HILL RD BARNSLEY AT J/W REDFEARN ST
B-01088-06	11/08/2006	1	Slight	0	0	0	0	Light	No turn	Dry	1800	HARBOROUGH HILL ROAD BARNSLEY J/W PONTEFRACT RD
B-01057-06	17/08/2006	1	Slight	0	0	0	0	Light	No turn	Wet/Damp	1720	HARBOROUGH HILL ROAD BARNSLEY AT JCT PONTEFRACT ROAD
B-01151-06	05/09/2006	2	Slight	0	0	0	0	Light	No turn	Dry	1720	HARBOROUGH HILLS BARNSLEY J/W DRYDEN RD
B-01275-06	26/09/2006	1	Slight	1	0	1	0	Light	Left	Dry	1629	HARBOROUGH HILLS RD BARNSLEY
B-01691-06	12/12/2006	1	Slight	0	0	0	1	Light	No turn	Wet/Damp	1215	HARBOROUGH HILLS RD BARNSLEY AT J/W PEEL CENTRE
B-00063-07	18/01/2007	1	Slight	0	0	0	0	Light	No turn	Wet/Damp	0722	PONTEFRACT RD BARNSLEY AT J/W HARBOROUGH HILL RD
B-00592-07	07/05/2007	2	Slight	0	0	0	0	Light	No turn	Dry	2030	HARBOROUGH HILLS RD BARNSLEY J/W OLD MILL LN
Column Totals		65		1	2	6	10					
No. of Accidents				1	2	6	10					

Total number of accidents listed: 42

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00521-02 05/07/2002 Friday Time 1253 Vehicles 2 Casualties 1 Slight
Raining without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 TV DOWN HARBOROUGH HILL TW OLD MILL LN V1 SLOWED TO A STOP DUE TO STATIONARY TF IN FRONT. V2 COLL REAR V1
Occurred on HARBOROUGH HILLS BARNSLEY J/W DENTON ST

Vehicle Reference 1 Car
Not in restricted lane Waiting to go ahead but held up
First point of impact Back No skidding, jack-knifing or overturning
Vehicle direction S to N Age of Driver 25 Breath test Not requested
FRV Not foreign registered vehicle Driver Postcode Journey 0

Casualty Reference: 1 Age: 25 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Not in restricted lane Slowing or Stopping
First point of impact Front Skidded
Vehicle direction S to N Age of Driver Breath test Not requested
FRV Not foreign registered vehicle Driver Postcode Journey 0

D-00525-02 10/07/2002 Wednesday Time 1645 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 STAT ON SLIP RD OF HARB HILL V1 THEN EMERGES OUT OF JUNCT V2 TRAV ON KENDRAY ST TWRDS THIS JUNCT
IN OTHER LANE BOTH VEHS COLLIDE.
Occurred on KENDRAY ST BARNSLEY AT J/W HARBOROUGH HILL SLIP RD

Vehicle Reference 1 Car
Not in restricted lane Waiting to go ahead but held up
First point of impact Front No skidding, jack-knifing or overturning
Vehicle direction S to NW Age of Driver 21 Breath test Negative
FRV Not foreign registered vehicle Driver Postcode Journey 0

Vehicle Reference 2 Car
Not in restricted lane Going ahead
First point of impact Front No skidding, jack-knifing or overturning
Vehicle direction SE to NW Age of Driver 31 Breath test Negative
FRV Not foreign registered vehicle Driver Postcode Journey 0

Casualty Reference: 1 Age: 4 Female Passenger Severity: Slight
8888

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00668-02 31/08/2002 Saturday Time 0940 Vehicles 2 Casualties 1 Serious
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Single carriageway
V1 TV A628 T/W TOWN CENTRE APP J/W A61 BEGINS TO SLOW APP GIVE WAY SIGN V2 TV FROM KENDRAY ST ALSO BEGINS TO SLOW V1 BELIEVES V2 IS LETTING HER PROCEED THROUGH GIVE WAY SO SHE CARRIED ON & V2 WAS UNABLE TO AVOID A COLL
Occurred on PONTEFRAC RD BARNSLEY 20 FT FROM J/W SHEFFIELD RD

Vehicle Reference 1 Car
Not in restricted lane Going ahead
First point of impact Front No skidding, jack-knifing or overturning
Vehicle direction SE to N Age of Driver 41 Breath test Negative
FRV Not foreign registered vehicle Driver Postcode Journey 0

Vehicle Reference 2 Motorcycle over 125cc and up to 500cc Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 37 Breath test Not requested
Vehicle direction NW to SE Driver Postcode Journey 0
FRV Not foreign registered vehicle

Casualty Reference: 1 Age: 37 Male Driver/rider Severity: Serious

D-00793-02 12/10/2002 Saturday Time 1850 Vehicles 2 Casualties 2 Slight
Fine without high winds Road surface Dry Darkness: street lights present and lit
Special Conditions None Road Type Dual carriageway
V1 TRAV ALONG PONTEFRAC RD MOVED SLIGHTLY OVER JUNCTION MARKINGS. V2 TRAV TWRDS JUNCT FROM T.CENTRE MOVED FROM NSIDE TO OFFSIDE LN AND STRUCK V1 WHICH HAD EMERGED INTO RD.
Occurred on PONTEFRAC RD BARNSLEY AT J/W HARBROUGH HILL RD

Vehicle Reference 1 Car
Not in restricted lane Waiting to go ahead but held up
First point of impact Front No skidding, jack-knifing or overturning
Vehicle direction SE to NW Age of Driver 15 Breath test Negative
FRV Not foreign registered vehicle Driver Postcode Journey 0

Vehicle Reference 2 Car
Not in restricted lane Going ahead
First point of impact Front No skidding, jack-knifing or overturning
Vehicle direction NE to SW Age of Driver 35 Breath test Negative
FRV Not foreign registered vehicle Driver Postcode Journey 0

Casualty Reference: 1 Age: 38 Female Passenger Severity: Slight

Casualty Reference: 2 Age: 29 Female Passenger Severity: Slight

TRAFFMAP
AccsMap - Accident Analysis System

INTERPRETED LISTING

Run on: 08/28/2007

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

D-00835-02 25/10/2002 Friday Time 1230 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 TRAV ALONG PONTEFRAC T RD TWRDS SLIP RD AT IARB HILL RD V2 EMERGES FROM SLIP RD THROUGH GIVEW/
AND COLLS WITH V1.
Occurred on PONTEFRAC T RD BARNSLEY AT J/W SLIP RD TO HARBOROUGH HILL RD

Vehicle Reference	1	Taxi		Turning right	
Not in restricted lane				Skidded	
First point of impact	Nearside		Age of Driver	32	Breath test Not applicable
Vehicle direction	NW to SE			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

Casualty Reference:	1	Age:	32	Male	Driver/rider	Severity:	Slight
---------------------	---	------	----	------	--------------	-----------	--------

Vehicle Reference	2	Car		Turning right	
Not in restricted lane				No skidding, jack-knifing or overturning	
First point of impact	Front		Age of Driver	72	Breath test Not applicable
Vehicle direction	N to SE			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

D-00948-02 29/11/2002 Friday Time 1310 Vehicles 2 Casualties 2 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 ENTERING ONTO TO DUAL CARRIAGEWAY FROM SLIP RD. V2 IS WAITING FOR TRAFFIC FROM RHT. V1 HAS
THOUGHT V2 HAS MOVED & WHILST LOOKING TO THE RHT HE HAS COLLIDED WITH THE REAR OF V2.
Occurred on HARBOROUGH HILL RD BARNSLEY

Vehicle Reference	1	Goods <= 3.5 tonnes mgw		Waiting to go ahead but held up	
Not in restricted lane				No skidding, jack-knifing or overturning	
First point of impact	Front		Age of Driver	38	Breath test Not requested
Vehicle direction	SW to NE			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

Casualty Reference:	1	Age:	38	Male	Driver/rider	Severity:	Slight
---------------------	---	------	----	------	--------------	-----------	--------

Vehicle Reference	2	Car		Waiting to go ahead but held up	
Not in restricted lane				No skidding, jack-knifing or overturning	
First point of impact	Back		Age of Driver	24	Breath test Not requested
Vehicle direction	SW to NE			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

Casualty Reference:	2	Age:	74	Male	Passenger	Severity:	Slight
---------------------	---	------	----	------	-----------	-----------	--------

TRAFFMAP
AccsMap - Accident Analysis System

INTERPRETED LISTING

Run on: 08/28/2007

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

D-00978-02 06/12/2002 Friday Time 1335 Vehicles 2 Casualties 2 Slight
Fine without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 TRAV ON KENDRAY ST V2 AT J/W KENDRAY ST INTENDING TO GO ONTO HARBOROUGH HILLS RD V2 PULLS OUT
JUNCT INTO PATH OF V1 CAUSING V1 TO GO STRAIGHT INTO N/S OF V2
Occurred on KENDRAY ST BARNSLEY AT J/W HARBOROUGH HILLS SLIP RD

Vehicle Reference	1	Car		Going ahead	
Not in restricted lane				No skidding, jack-knifing or overturning	
First point of impact	Front		Age of Driver	44	Breath test Not requested
Vehicle direction	NW to SE			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

Casualty Reference:	1	Age:	44	Male	Driver/rider	Severity:	Slight
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Casualty Reference:	2	Age:	31	Female	Passenger	Severity:	Slight
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Vehicle Reference	2	Car		Going ahead	
Not in restricted lane				No skidding, jack-knifing or overturning	
First point of impact	Nearside		Age of Driver	39	Breath test Not requested
Vehicle direction	S to N			Driver Postcode	
FRV	Not foreign registered vehicle			Journey	0

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-01051-02 23/12/2002 Monday Time 1651 Vehicles 3 Casualties 4 Slight
Raining without high winds Road surface Wet/Damp Darkness: street lights present and lit
Special Conditions None Road Type Dual carriageway
V1 AT BACK OF STAT TF DUE TO TF LGTS, UNKNOWN VEH IN FRONT OF V2 SEES TF BRAKING AND SWERVES TO O/S
LN, V2 CANNOT STOP AND COLL WITH REAR OF V1, V3 FOLL COLL WITH REAR IF V2.
Occurred on HARBOROUGH HILL RD BARNSLEY 50 MTS FROM DENTON ST

Vehicle Reference	1	Car	Waiting to go ahead but held up			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back		Age of Driver	35	Breath test	Negative
Vehicle direction	SW to NE			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 32	Female	Passenger	Severity:	Slight
Casualty Reference:	2	Age: 10	Male	Passenger	Severity:	Slight
				9999		
Casualty Reference:	3	Age: 35	Male	Driver/rider	Severity:	Slight

Vehicle Reference	2	Car	Slowing or Stopping			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	54	Breath test	Negative
Vehicle direction	SW to NE			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	4	Age: 54	Male	Driver/rider	Severity:	Slight

Vehicle Reference	3	Other motor vehicle	Slowing or Stopping			
Not in restricted lane			Skidded			
First point of impact	Front		Age of Driver	45	Breath test	Negative
Vehicle direction	SW to NE			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00085-03 29/01/2003 Wednesday Time 1135 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Dual carriageway
V1 IN N/S LN TAV IN FRONT OF V2. V1 INDICATES RIIT MOVES TO O/SIDE LN TURNS LFT INTO DRIVEWAY OF HOME
ADDRESS. AS V1 XS THE PATH OF V2 A COLL OCCURS IN THE N/S L.N.
Occurred on HARBOROUGH HILLS RD BARNSLEY 150 YRDS FROM PONTEFRAC RD

Vehicle Reference	1	Goods <= 3.5 tonnes mgw	Turning left			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Nearside		Age of Driver	39	Breath test	Negative
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Vehicle Reference	2	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	61	Breath test	Negative
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 61	Male	Driver/rider	Severity:	Slight

D-00203-03 05/03/2003 Wednesday Time 1230 Vehicles 2 Casualties 3 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Roundabout
V1 STAT AT T/LIGHTS WITH HANDBRAKE ON, V2 COLLS WITH REAR OF V1.
Occurred on HARBOROUGH HILL BARNSLEY AT J/W B & Q R/ABOUT

Vehicle Reference	1	Taxi	Waiting to go ahead but held up			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back		Age of Driver	43	Breath test	Not applicable
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 43	Male	Driver/rider	Severity:	Slight
Casualty Reference:	2	Age: 60	Female	Passenger	Severity:	Slight
Casualty Reference:	3	Age: 40	Female	Passenger	Severity:	Slight

Vehicle Reference	2	Goods >= 7.5 tonnes mgw	Slowing or Stopping			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	47	Breath test	Not applicable
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00242-03 28/03/2003 Friday Time 1145 Vehicles 1 Casualties 2 Slight
Fine without high winds Road surface Dry Daylight: no street lighting
Special Conditions None Road Type Dual carriageway
PSV in o/s in when HGV has pulled into path causing driver to brake heavily and two pass fell from seats.
Occurred on HARBOROUGH HILLS RD BARNLEY 20 YDS HARBOROUGH HILLS RD

Vehicle Reference	1	Bus or coach	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Did not impact		Age of Driver	39	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 35	Female	Passenger	Severity:	Slight
Casualty Reference:	2	Age: 30	Female	Passenger	Severity:	Slight

D-00472-03 16/06/2003 Monday Time 1230 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Roundabout
V1 STATIONARY AT R/ABOUT WAITING TO MOVE ONTO A61 ATS NOT WORKING. V2 TV A61, V1 MOVES FORWARD, V SEES V1 BUT HAS NOWHERE TO GO & COLL OCCURS.
Occurred on HARBOROUGH HILLS RD BARNLEY J/W B&Q ROUNDABOUT

Vehicle Reference	1	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Nearside		Age of Driver	51	Breath test	Negative
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Vehicle Reference	2	Motorcycle over 125cc and up to 500cc	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	38	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 38	Male	Driver/rider	Severity:	Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00478-03 17/06/2003 Tuesday Time 0905 Vehicles 3 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Dual carriageway
V1 TR UP TOW HARBOROUGH HILLS INDICATED TO MOVE INTO RGT LN V2 FOLLOW BRAKED BUT V3 FOLL COLL W/ REAR OF V2 PUSHING IT INTO V1.
Occurred on HARBOROUGH HILLS RD BARNLEY 30 YDS FROM DRYDEN RD

Vehicle Reference	1	Car	Changing lane to right			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back		Age of Driver	31	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Vehicle Reference	2	Taxi	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back		Age of Driver	38	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 38	Male	Driver/rider	Severity:	Slight

Vehicle Reference	3	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	20	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	

D-00509-03 30/06/2003 Monday Time 0815 Vehicles 2 Casualties 1 Slight
Raining without high winds Road surface Wet/Damp Daylight: street lights present
Special Conditions None Road Type Dual carriageway
V1 TV A628 TW BARNLEY STOPS AT JCT DRIVER SEES ONCOMING VAN PULL OVER SO V1 PULLS OUT INTO PATH OF V2 TV SAME DIRC AS VAN HAD BEEN. DRIVER OF V1 HAD FAILED TO SEE V2
Occurred on PONTEFRAC RD BARNLEY J/W HARBOROUGH HILLS SLIP RD

Vehicle Reference	1	Car	Turning right			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Nearside		Age of Driver	55	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Vehicle Reference	2	Motorcycle over 50cc and up to 125cc	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	17	Breath test	Not requested
Vehicle direction	Park to Parked			Driver Postcode		
FRV	Not foreign registered vehicle			Journey	0	
Casualty Reference:	1	Age: 17	Male	Driver/tider	Severity:	Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

D-00698-03 09/09/2003 Tuesday Time 1250 Vehicles 2 Casualties 3 Slight
Raining without high winds Road surface Wet/Damp Daylight: street lights present
Special Conditions None Road Type Dual carriageway
V1 TR ON PONTEFRAC RD AND TND RGT ACC PONTEFRAC RD TOW THE SLIP RD TO HARBOROUGH HILLS, V2 TR
ALONG PONTEFRAC RD, WHEN ELDERLY LADY STEPPED INTO RD V1 BRAKED AND V2 COLL WITH SIDE OF V1.
Occurred on PONTEFRAC RD BARNSLEY AT J/W SLIP RD TO HARBOROUGH HILL RD

Vehicle Reference	1	Goods <= 3.5 tonnes mgw	Turning right			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Nearside	Age of Driver	54	Breath test	Negative	
Vehicle direction	Park to Parked	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Vehicle Reference	2	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front	Age of Driver	43	Breath test	Not requested	
Vehicle direction	Park to Parked	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Casualty Reference:	1	Age:	43	Male	Driver/rider	Severity: Slight
Casualty Reference:	2	Age:	39	Female	Passenger	Severity: Slight
Casualty Reference:	3	Age:	44	Male	Passenger	Severity: Slight

D-00791-03 13/10/2003 Monday Time 1825 Vehicles 1 Casualties 1 Slight
Fine without high winds Road surface Dry Darkness: street lights present and lit
Special Conditions Road works present Road Type 4
VEH SLOWING DOWN DUE TO RD WORK CONES AND TR LGTS WHEN CHILD RAN INTO SIDE OF VEH.
Occurred on HARBOROUGH HILL RD BARNSLEY 50 MTS FROM MOTTRAM ST

Vehicle Reference	1	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Nearside	Age of Driver	29	Breath test	Negative	
Vehicle direction	Park to Parked	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Casualty Reference:	1	Age:	7	Male	Pedestrian	Severity: Slight

2043

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00146-04 23/01/2004 Friday Time 1700 Vehicles 4 Casualties 3 Slight
Raining without high winds Road surface Wet/Damp Darkness: street lights present and lit
Special Conditions None Road Type Dual carriageway
ALL 4 VEHs TV DOWN HARBOROUGH HILL V1, V2 & V3 ALL COME TO A STOP. V4 COLL V3, V3 PUSHED INTO V2 & V2
PUSHED INTO V1
Occurred on HARBOROUGH HILLS RD BARNSLEY 25 MTS FROM SLIP RD TO JAMES ST

Vehicle Reference	1	Car	Waiting to go ahead but held up			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back	Age of Driver	17	Breath test	Not requested	
Vehicle direction	S to N	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Casualty Reference:	1	Age:	17	Female	Driver/rider	Severity: Slight
Vehicle Reference	2	Car	Waiting to go ahead but held up			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back	Age of Driver	20	Breath test	Not requested	
Vehicle direction	S to N	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Casualty Reference:	2	Age:	20	Male	Driver/rider	Severity: Slight
Vehicle Reference	3	Car	Waiting to go ahead but held up			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Back	Age of Driver	38	Breath test	Not requested	
Vehicle direction	S to N	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			
Casualty Reference:	3	Age:	38	Female	Driver/rider	Severity: Slight
Vehicle Reference	4	Car	Slowing or Stopping			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front	Age of Driver	35	Breath test	Not requested	
Vehicle direction	S to N	Driver Postcode				
FRV	Not foreign registered vehicle	Journey	0			

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00231-04 06/02/2004 Friday Time 2120 Vehicles 2 Casualties 2 Slight
Raining without high winds Road surface Wet/Damp Darkness: street lights present and lit
Special Conditions None Road Type 5
VEH1 TRVL ON PONTEFRAC RD TWDS TWN CNTR VEH2 TRVL TWDS DUL CRRG WY LDNG TO SHEFFIELD RD DRV
VEH1 FLS TO SEE GV WY SGNS UNTL LST MIN BRKS BUT COLLS WTH VEH2
Occurred on PONTEFRAC ROAD BARNSELEY 5MTS JUMBLE LANE

Vehicle Reference	1	Car	Going ahead			
Not in restricted lane			Skidded			
First point of impact	Front		Age of Driver	19	Breath test	Not requested
Vehicle direction	Park to	Parked	Driver Postcode			
FRV	Not foreign registered vehicle		Journey 0			
Vehicle Reference	2	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Front		Age of Driver	26	Breath test	Not requested
Vehicle direction	Park to	Parked	Driver Postcode			
FRV	Not foreign registered vehicle		Journey 0			
Casualty Reference:	1	Age: 60	Female	Passenger	Severity:	Slight
Casualty Reference:	2	Age: 58	Female	Passenger	Severity:	Slight

B-00756-04 02/06/2004 Wednesday Time 1115 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Slip road
V1 APPROACHING PONTE RD BUT SAW V2 APPROACHING AND THOUGHT DRIVER WASN'T GOING TO STOP AT GIVE
WAY AND SO BRAKED HEAVILY CAUSING PASS TO FALL
Occurred on EASTERN RELIEF RD BARNSELEY AT J/W PONTEFRAC RD

Vehicle Reference	1	Bus or coach	Going ahead right hand bend			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Did not impact		Age of Driver	45	Breath test	Negative
Vehicle direction	Park to	Parked	Driver Postcode			
FRV	Not foreign registered vehicle		Journey 0			
Casualty Reference:	1	Age: 78	Female	Passenger	Severity:	Slight
Vehicle Reference	2	Car	Going ahead			
Not in restricted lane			No skidding, jack-knifing or overturning			
First point of impact	Did not impact		Age of Driver	51	Breath test	Negative
Vehicle direction	Park to	Parked	Driver Postcode			
FRV	Not foreign registered vehicle		Journey 0			

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-01014-04 30/07/2004 Friday Time 1620 Vehicles 1 Casualties 2 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Dual carriageway
VEH1 TRVL UP HARBRO HILLS RD IN RT HND LN PED STUD ON CNTRL RES BGNS TO X RD & COLL OCCRS DRV BRKS
SWRVS & COLLS WTH TELGRPH PL
Occurred on HARBROUGH HILLS ROAD BARNSELEY 2MTS FROM ENTERPRISE GARAGE

Vehicle Reference	1	Car	Going ahead			
Not in restricted lane			Skidded			
First point of impact	Offside		Age of Driver	29	Breath test	Not requested
Vehicle direction	N to SW		Driver Postcode			
FRV	Not foreign registered vehicle		Journey 0			
Casualty Reference:	1	Age: 63	Male	Pedestrian	Severity:	Slight
Casualty Reference:	2	Age: 1	Female	Passenger	Severity:	Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

B-01718-04 10/12/2004 Friday Time 1702 Vehicles 5 Casualties 1 Slight
Fine without high winds Road surface Wet/Damp Darkness: street lights present and lit
Special Conditions None Road Type Dual carriageway
VEH2,3,4,5 TRVL ON HARBRO HILL RD TWDS OLD MI, LN R AT A STNDSTLL WTH TRF VEH1 CMS OVR BLND BND FLS
STP & CLLS VEH2 WHCH SHNTS INTO VEH3 & VEH3 INTO VEH4 & 4 INTO VEH5
Occurred on HARBOROUGH HILLS ROAD BARNSLEY 50MTS DENTON STREET

Vehicle Reference 1 Goods <= 3.5 tonnes mgw Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 22 Breath test Negative
Vehicle direction SW to NE Driver Postcode
FRV Not foreign registered vehicle Journey 0

Vehicle Reference 2 Car Waiting to go ahead but held up
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 40 Breath test Negative
Vehicle direction SW to NE Driver Postcode
FRV Not foreign registered vehicle Journey 0

Casualty Reference: 1 Age: 40 Male Driver/rider Seventy: Slight

Vehicle Reference 3 Car Waiting to go ahead but held up
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 50 Breath test Not requested
Vehicle direction SW to NE Driver Postcode
FRV Not foreign registered vehicle Journey 0

Vehicle Reference 4 Car Waiting to go ahead but held up
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 22 Breath test Not requested
Vehicle direction SW to NE Driver Postcode
FRV Not foreign registered vehicle Journey 0

Vehicle Reference 5 Car Waiting to go ahead but held up
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 26 Breath test Not requested
Vehicle direction SW to NE Driver Postcode
FRV Not foreign registered vehicle Journey 0

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

B-00019-05 06/01/2005 Thursday Time 1645 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Wet/Damp Darkness: street lights present and lit
Special Conditions None Road Type Single carriageway
V1 TV UP A628 TW TOWN AS V1 APP J/W JUMBLE LN DRIVER SAW V2 & THOUGHT IT WAS GOING STRAIGHT ON TW
A628. V2 TURNED TW SLIP RD HEADING FOR ALHAMBRA R/ABOUT & COLL WITH V1 AS V1 CROSSED OVER JCT
Occurred on PONTEFRAC RD BARNSLEY 1 MTR FROM JUMBLE LN

Vehicle Reference 1 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 39 Breath test Negative
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Vehicle Reference 2 Bus or coach Turning right
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 30 Breath test Negative
Vehicle direction N to SW Driver Postcode
FRV Not foreign registered vehicle Journey Journey as part of work

Casualty Reference: 1 Age: 36 Female Passenger Severity: Slight

B-00050-05 15/01/2005 Saturday Time 1225 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: street lights present
Special Conditions None Road Type Single carriageway
V1 TV ACROSS HARBOROUGH HILLS RD FROM DRYDEN RD WHEN V2 TV THROUGH RED ATS & COLL WITH V1
Occurred on HARBOROUGH HILLS BARNSLEY

Vehicle Reference 1 Car Moving off
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 34 Breath test Negative
Vehicle direction SE to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Vehicle Reference 2 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 59 Breath test Not requested
Vehicle direction N to S Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Casualty Reference: 1 Age: 59 Male Driver/rider Severity: Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00146-05 31/01/2005 Monday Time 1200 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Single carriageway
V1 TR ON PONTEFRAC RD INTENDING TO TN RGT SAW V2 APPROACHING FROM THE OPP DIRECTION AND BRAKED
BUT V2 THOUGHT V1 WAS PULLING OUT, BRAKED AND SLID OFF HIS BIKE.
Occurred on PONTEFRAC RD BARNSELY AT J/W BALA ST

Vehicle Reference 1 Car
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Did not impact Age of Driver 44 Breath test Negative
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Vehicle Reference 2 Motorcycle 50cc and under
Not in restricted lane Skidded
First point of impact Did not impact Age of Driver 44 Breath test Negative
Vehicle direction N to S Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Casualty Reference: 1 Age: 44 Male Driver/rider Severity: Slight

B-00652-05 16/05/2005 Monday Time 2017 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V2 TRAV FROM DRYDEN RD ONTO HAR HILL RD, V1 CONTRAVENED RED T/LIGHT WHO HAS THEN COLL WITH V2 SIC
ON REMOVE V2 FROM CARR.
Occurred on A61 HARBOROUGH HILL RD AT J/W DRYDEN RD

Vehicle Reference 1 Car
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 20 Breath test Negative
Vehicle direction N to SW Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Vehicle Reference 2 Car
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 44 Breath test Not provided (medical)
Vehicle direction E to SW Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Casualty Reference: 1 Age: 44 Female Driver/rider Severity: Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00712-05 27/05/2005 Friday Time 0812 Vehicles 1 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight: no street lighting
Special Conditions None Road Type Dual carriageway
V1 TV OVER TOP OF HARBOROUGH HILLS & ATTEMPTED TO BRAKE & SLOW DOWN BUT BRAKES DID NOT WORK, V1
COLL WITH 2 LAMP POSTS & A WALL
Occurred on HARBOROUGH HILL RD BARNSELY

Vehicle Reference 1 Goods >= 7.5 tonnes ungv
Not in restricted lane Slowing or Stopping
Footway (pavement) Overturned
First point of impact Front Age of Driver 44 Breath test Negative
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Journey as part of work

Casualty Reference: 1 Age: 44 Male Driver/rider Severity: Slight

B-00875-05 29/06/2005 Wednesday Time 1215 Vehicles 2 Casualties 1 Slight
Raining without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type One way street
BOTH VEH'S TR IN SAME DIRECTION, V2 CAME TO A STANDSTILL, V1 BRAKED BUT FOOT SLIPPED OFF PEDAL AND
COLL WITH REAR OF V2.
Occurred on PONTEFRAC RD BARNSELY AT J/W KENDRAY ST

Vehicle Reference 1 Car
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 21 Breath test Negative
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Casualty Reference: 1 Age: 21 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Not in restricted lane Waiting to go ahead but held up
First point of impact Back Age of Driver 40 Breath test Negative
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Journey as part of work

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-01019-05 31/07/2005 Sunday Time 1806 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 LEAVING SHOPPING AREA FROM DRYDEN RD TV THROUGH GREEN ATS ON A61 & COLL WITH V2 WHO HAS
PROCEEDED THROUGH JCT ON RED AYS
Occurred on HARBOROUGH HILL RD BARNSELY J/W DRYDEN RD

Vehicle Reference	1	Car	Moving off
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver	36 Breath test Negative
Vehicle direction	SE to W	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Other/Not known

Casualty Reference:	1	Age:	36	Male	Driver/rider	Severity:	Slight
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Vehicle Reference	2	Car	Going ahead
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver	21 Breath test Negative
Vehicle direction	N to SW	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Communing to/from work

B-01278-05 17/09/2005 Saturday Time 1030 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 TV UP HARBOROUGH HILL RD TW SHEFFIELD RD IN R/H LN.V2 TV SAME DIRC IN L/H LN WHEN COLL OCCURRED.
Occurred on HARBOROUGH HILL RD BARNSELY

Vehicle Reference	1	Car	Going ahead
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Nearside	Age of Driver	65 Breath test Not provided (medical)
Vehicle direction	N to SW	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Other/Not known

Casualty Reference:	1	Age:	65	Male	Driver/rider	Severity:	Slight
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Vehicle Reference	2	Car	Turning left
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver	42 Breath test Driver not contacted
Vehicle direction	N to SW	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Other/Not known

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-01465-05 18/10/2005 Tuesday Time 1720 Vehicles 4 Casualties 5 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 BRAKED DUE TO TRAFFIC STOPPING AHEAD, V1 SKIDDED BRAKES LOCKED AND HIT V2, V2 THEN HIT V3 AND V3
HIT V4.
Occurred on HARBOROUGH HILLS BARNSELY J/W DENTON ST

Vehicle Reference	1	Car	Going ahead
Not in restricted lane			Skidded
First point of impact	Back	Age of Driver	44 Breath test Negative
Vehicle direction	S to N	Driver Postcode	S70 1XN
FRV	Not foreign registered vehicle	Journey	Other/Not known

Casualty Reference:	4	Age:	18	Female	Passenger	Severity:	Slight
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Casualty Reference:	5	Age:	16	Female	Passenger	Severity:	Slight
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Vehicle Reference	2	Car	Waiting to go ahead but held up
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver	40 Breath test Negative
Vehicle direction	S to N	Driver Postcode	S75 6AE
FRV	Not foreign registered vehicle	Journey	Other/Not known

Casualty Reference:	1	Age:	6	Female	Passenger	Severity:	Slight
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Vehicle Reference	3	Car	Waiting to go ahead but held up
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Back	Age of Driver	35 Breath test Negative
Vehicle direction	S to N	Driver Postcode	S71 1JT
FRV	Not foreign registered vehicle	Journey	Communing to/from work

Casualty Reference:	3	Age:	35	Male	Driver/rider	Severity:	Slight
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Vehicle Reference	4	Car	Waiting to go ahead but held up
Not in restricted lane			No skidding, jack-knifing or overturning
First point of impact	Back	Age of Driver	33 Breath test Negative
Vehicle direction	S to N	Driver Postcode	S70 3QN
FRV	Not foreign registered vehicle	Journey	Communing to/from work

Casualty Reference:	2	Age:	33	Female	Driver/rider	Severity:	Slight
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Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-01568-05 08/11/2005 Tuesday Time 1800 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Slip road
V2 PULLED OUT FROM BALA ST INTO PATH OF V1
Occurred on BALA STREET BARNSLEY J/W PONTEFRAC T RD

Vehicle Reference 1 Car Moving off
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 35 Breath test Not requested
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 1 Age: 54 Female Passenger Severity: Slight

Vehicle Reference 2 Car Turning left
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Did not impact Age of Driver Breath test Driver not contacted
Vehicle direction S to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

B-01678-05 23/11/2005 Wednesday Time 2151 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Darkness: street lights present and lit
Special Conditions None Road Type Dual carriageway
V1 TRAVELLING UP HARBOROUGH HILLS WHEN V2 APPROACHED IN OPP DIRECTION AND COLL HEAD ON.
Occurred on HARBOROUGH HILL RD BARNSLEY AT J/W WESTWAY

Vehicle Reference 1 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 26 Breath test Negative
Vehicle direction N to E Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 1 Age: 26 Male Driver/rider Severity: Slight

Vehicle Reference 2 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 44 Breath test Negative
Vehicle direction N to E Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00462-06 06/04/2006 Thursday Time 1440 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Single carriageway
V1 TR UP HARBOROUGH HILL RD CONTRAVENED RED TF LGT AND COLL WITH V2 EMERGING FROM PEEL CENTRE.
Occurred on HARBOROUGH HILLS RD BARNSLEY AT J/W PEEL CENTRE

Vehicle Reference 1 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 29 Breath test Negative
Vehicle direction S to N Driver Postcode S70 6LW
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 1 Age: 29 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 59 Breath test Negative
Vehicle direction W to E Driver Postcode S70 5NJ
FRV Not foreign registered vehicle Journey Other/Not known

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00513-06 16/04/2006 Sunday Time 1355 Vehicles 3 Casualties 3 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V2 & V3 SIDE BY SIDE AT TF LGTS AS SIGNAL TUNKS TO GREEN V2 & 3 MOVE OFF BUT V1 APPROACHES FROM RGT
CONTRAVENING RED SIGNAL AND COLL WITH V2 AND THEN COLL WITH V3.
Occurred on HARBOROUGH HILL RD BARNSELY AT J/W DRYDEN RD

Vehicle Reference 1 Car
Going ahead
No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 51 Breath test Negative
Vehicle direction N to S Driver Postcode
FRV Not foreign registered vehicle Journey Journey as part of work
Casualty Reference 1 Age 51 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Moving off
No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 60 Breath test Negative
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference 2 Age 60 Male Driver/rider Severity: Slight

Vehicle Reference 3 Car
Moving off
No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 59 Breath test Negative
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference 3 Age 59 Male Driver/rider Severity: Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00923-06 19/07/2006 Wednesday Time 1015 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Single carriageway
VEH 1 COLLIDED VEH 2. VEH 2 FTS.
Occurred on HARBOROUGH HILL RD BARNSELY AT J/W REDFEARN ST

Vehicle Reference 1 Bus or coach
Going ahead left hand bend
No skidding, jack-knifing or overturning
First point of impact Did not impact Age of Driver 52 Breath test Driver not contacted
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference 1 Age 69 Female Passenger Severity: Slight

Vehicle Reference 2 Car
Changing lane to left
No skidding, jack-knifing or overturning
First point of impact Did not impact Age of Driver Breath test Driver not contacted
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

B-01088-06 11/08/2006 Friday Time 1800 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Single carriageway
V1 WAITING TO PULL ONTO HARBOROUGH HILL RD WHEN V2 COLL WITH REAR OF V1
Occurred on HARBOROUGH HILL ROAD BARNSELY J/W PONTEFRAC RD

Vehicle Reference 1 Car
Waiting to go ahead but held up
No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 19 Breath test Not requested
Vehicle direction Park to Parked Driver Postcode
FRV Not foreign registered vehicle Journey Commuting to/from work
Casualty Reference 1 Age 19 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Slowing or Stopping
No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 19 Breath test Not requested
Vehicle direction Park to Parked Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

TRAFFMAP
AccsMap - Accident Analysis System

INTERPRETED LISTING

Run on: 08/28/2007

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

B-01057-06 17/08/2006 Thursday Time 1720 Vehicles 2 Casualties 1 Slight
Other Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
VEH1 STAT IN LN OF TRFFC ON INSD LN VEH2 TRVL RND CRNR BHND VEH1 ON INSD LN TRVL TOO FST & CLLS VEH1
Occurred on HARBOROUGH HILL ROAD BARNSLEY AT JCT PONTEFRAC T ROAD

Vehicle Reference 1 Car
Waiting to go ahead but held up
No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 34 Breath test Not requested
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Commuting to/from work
Casualty Reference: 1 Age 34 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Going ahead left hand bend
Skidded
First point of impact Front Age of Driver 19 Breath test Not requested
Vehicle direction E to W Driver Postcode
FRV Not foreign registered vehicle Journey Commuting to/from work

B-01151-06 05/09/2006 Tuesday Time 1720 Vehicles 2 Casualties 2 Slight
Fine with high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Single carriageway
V1 HAS CONTRAVENED RED ATS & RUN THROUGH THE PATH OF V2. V2 COLL WITH FRONT N/S OF V1
Occurred on HARBOROUGH HILLS BARNSLEY J/W DRYDEN RD

Vehicle Reference 1 Car
Going ahead
No skidding, jack-knifing or overturning
First point of impact Near side Age of Driver 34 Breath test Not requested
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Journey as part of work
Casualty Reference: 1 Age 34 Female Driver/rider Severity: Slight

Vehicle Reference 2 Car
Moving off
No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 24 Breath test Not requested
Vehicle direction W to E Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 2 Age 24 Female Driver/rider Severity: Slight

TRAFFMAP
AccsMap - Accident Analysis System

INTERPRETED LISTING

Run on: 08/28/2007

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

B-01275-06 26/09/2006 Tuesday Time 1629 Vehicles 2 Casualties 1 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V1 TV UP HARBOROUGH HILL, V2 (PEDCYC) TV DOWN HARBOROUGH HILL. V1 TURNED L INTO PRIVATE DRIVEWAY
PED CYC COLLIDED WITH VEH CAUSING RIDER TO FALL OVER BONNET OF V1
Occurred on HARBOROUGH HILLS RD BARNSLEY

Vehicle Reference 1 Car
Turning left
No skidding, jack-knifing or overturning
First point of impact Offside Age of Driver 30 Breath test Negative
Vehicle direction N to W Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Vehicle Reference 2 Pedal cycle
Going ahead
Not in restricted lane No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 14 Breath test Not requested
Vehicle direction Park to Park Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 1 Age 14 Male Driver/rider Severity: Slight
2407

B-01691-06 12/12/2006 Tuesday Time 1215 Vehicles 3 Casualties 1 Slight
Raining without high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
VEH1'S 1 & 3 WERE CROSSING THROUGH TF LGTS ACCROSS HARBOROUGH HILLS WHEN V2 TR THROUGH LGTS INTO
PATH OF V1 & V3.
Occurred on HARBOROUGH HILLS RD BARNSLEY AT J/W PEEL CENTRE

Vehicle Reference 1 Car
Going ahead
No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 71 Breath test Not requested
Vehicle direction W to E Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known
Casualty Reference: 1 Age 71 Male Driver/rider Severity: Slight

Vehicle Reference 2 Car
Going ahead
No skidding, jack-knifing or overturning
First point of impact Front Age of Driver 19 Breath test Not requested
Vehicle direction S to N Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Vehicle Reference 3 Car
Going ahead
No skidding, jack-knifing or overturning
First point of impact Back Age of Driver 61 Breath test Not requested
Vehicle direction W to E Driver Postcode
FRV Not foreign registered vehicle Journey Other/Not known

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00063-07 18/01/2007 Thursday Time 0722 Vehicles 2 Casualties 1 Slight
Raining with high winds Road surface Wet/Damp Daylight:street lights present
Special Conditions None Road Type Dual carriageway
V2 TR ON MAIN CARR WHEN V1 EMERGED FROM SLIP RD INTO PATH OF V2 AND COLL OCC.
Occurred on PONTEFRAC T RD BARN SLEY AT J/W HARBOROUGH HILL RD

Vehicle Reference	1	Goods >= 7.5 tonnes mgw	Moving off
			No skidding, jack-knifing or overturning
First point of impact	Offside	Age of Driver 35	Breath test Negative
Vehicle direction	W to E	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Journey as part of work
Vehicle Reference	2	Bus or coach	Going ahead
			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver 59	Breath test Negative
Vehicle direction	S to N	Driver Postcode	
FRV	Not foreign registered vehicle	Journey	Journey as part of work
Casualty Reference:	1	Age: 59	Male
Pedestrian Direction:	0	Driver/rider	Severity: Slight

Accidents between dates 01/07/2002 and 30/06/2007 (60) months
Selection:
Selected using Build Query : Local_auth=210

B-00592-07 07/05/2007 Monday Time 2030 Vehicles 3 Casualties 2 Slight
Fine without high winds Road surface Dry Daylight:street lights present
Special Conditions None Road Type Roundabout
V1 & V3 STATIONARY AT RED ATS. V2 APP TRIES TO TAKE EVASIVE TO AVOID COLL WITH V1, COLL WITH V3 & THEI
COLL WITH V1.
Occurred on HARBOROUGH HILLS RD BARN SLEY J/W OLD MILL LN

Vehicle Reference	1	Other motor vehicle	Waiting to go ahead but held up
			No skidding, jack-knifing or overturning
Not in restricted lane		Age of Driver 55	Breath test Negative
First point of impact	Back	Driver Postcode	S71 4HL
Vehicle direction	S to N	Journey	Journey as part of work
FRV	Not foreign registered vehicle		
Vehicle Reference	2	Car	Waiting to go ahead but held up
			No skidding, jack-knifing or overturning
First point of impact	Front	Age of Driver 39	Breath test Positive
Vehicle direction	S to N	Driver Postcode	S71 4LG
FRV	Not foreign registered vehicle	Journey	Other/Not known
Casualty Reference:	1	Age: 39	Female
Pedestrian Direction:	0	Driver/rider	Severity: Slight
Casualty Reference:	2	Age: 43	Male
Pedestrian Direction:	0	Passenger	Severity: Slight
Vehicle Reference	3	Car	Waiting to go ahead but held up
			No skidding, jack-knifing or overturning
First point of impact	Nearside	Age of Driver 63	Breath test Negative
Vehicle direction	S to N	Driver Postcode	S71 2LD
FRV	Not foreign registered vehicle	Journey	Other/Not known

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection:

Notes:

Selected using Build Query : Local_auth=210

Accidents involving:

	Fatal	Serious	Slight	Total
Motor vehicles only (excluding	0	0	37	37
2-wheeled motor vehicles	0	1	3	4
Pedal cycles	0	0	1	1
Horses & other	0	0	0	0
Total	0	1	41	42

Casualties:

	Fatal	Serious	Slight	Total
Vehicle driver	0	0	34	34
Passenger	0	0	24	24
Motorcycle rider	0	1	3	4
Cyclist	0	0	1	1
Pedestrian	0	0	2	2
Other	0	0	0	0
Total	0	1	64	65

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

Police Ref.	Acc Class	Date	Time	Grid References	Casualties			Causation Factors/ Prob	Ped		Light	Weather	Road Surface	Vehicle Types
					Ftd	Ser	Slt		L	MD				
D-00521-02	Slight	05/07/2002	1253	434970 406860	0	0	1	0 0 0 0 0 0	0	0	Light	Raining without high winds	Wet/Damp	9 9
D-00525-02	Slight	10/07/2002	1645	434830 406380	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Wet/Damp	9 9
D-00668-02	Serious	31/08/2002	0940	434820 406400	0	1	0	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 4
D-00793-02	Slight	12/10/2002	1850	434880 406340	0	0	2	0 0 0 0 0 0	0	0	Dark	Fine without high winds	Dry	9 9
D-00835-02	Slight	25/10/2002	1230	434870 406370	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Wet/Damp	8 9
D-00948-02	Slight	29/11/2002	1310	434850 406490	0	0	2	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	19 9
D-00978-02	Slight	06/12/2002	1335	434820 406410	0	0	2	0 0 0 0 0 0	0	0	Light	Fine without high winds	Wet/Damp	9 9
D-01051-02	Slight	23/12/2002	1651	434950 406790	0	0	4	0 0 0 0 0 0	0	0	Dark	Raining without high winds	Wet/Damp	14 9 9
D-00085-03	Slight	29/01/2003	1135	434920 406664	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	19 9
D-00203-03	Slight	05/03/2003	1230	434993 406977	0	0	3	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	8 2 1
D-00242-03	Slight	28/03/2003	1145	435034 407030	0	0	2	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	11
D-00472-03	Slight	16/06/2003	1230	434980 407000	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 4
D-00478-03	Slight	17/06/2003	0905	435020 406990	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 9 8
D-00509-03	Slight	30/06/2003	0815	434880 406340	0	0	1	0 0 0 0 0 0	0	0	Light	Raining without high winds	Wet/Damp	9 3
D-00698-03	Slight	09/09/2003	1250	434876 406348	0	0	3	0 0 0 0 0 0	0	0	Light	Raining without high winds	Wet/Damp	19 9
D-00791-03	Slight	13/10/2003	1825	434917 406695	0	0	1	0 0 0 0 0 0	5	1	Dark	Fine without high winds	Dry	9
B-00146-04	Slight	23/01/2004	1700	434926 406724	0	0	3	0 0 0 0 0 0	0	0	Dark	Raining without high winds	Wet/Damp	9 9 9 9
B-00231-04	Slight	06/02/2004	2120	434875 406345	0	0	2	0 0 0 0 0 0	0	0	Dark	Raining without high winds	Wet/Damp	9 9
B-00756-04	Slight	02/06/2004	1115	434875 406355	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	11 9
B-01014-04	Slight	30/07/2004	1620	434990 406888	0	0	2	0 0 0 0 0 0	5	3	Light	Fine without high winds	Dry	9
B-01718-04	Slight	10/12/2004	1702	434951 406802	0	0	1	0 0 0 0 0 0	0	0	Dark	Fine without high winds	Wet/Damp	9 9 9 19 9
B-00019-05	Slight	06/01/2005	1645	434896 406325	0	0	1	0 0 0 0 0 0	0	0	Dark	Fine without high winds	Wet/Damp	9 11
B-00050-05	Slight	15/01/2005	1225	435013 406988	0	0	1	0 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 9
B-00146-05	Slight	31/01/2005	1200	434886 406347	0	0	1	401V001A	0	0	Light	Fine without high winds	Wet/Damp	9 2
								603V002A	0	0	0			
B-00652-05	Slight	16/05/2005	2017	435012 406961	0	0	1	0V001 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 9
B-00712-05	Slight	27/05/2005	0812	434991 406937	0	0	1	203V001A 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	21
B-00875-05	Slight	29/06/2005	1215	434877 406343	0	0	1	410V001A 0 0 0 0 0	0	0	Light	Raining without high winds	Wet/Damp	9 9
B-01019-05	Slight	31/07/2005	1806	435012 406967	0	0	1	605V002A	0	0	Light	Fine without high winds	Dry	9 9
								602V001B	0	0	0			
B-01278-05	Slight	17/09/2005	1030	435016 406970	0	0	1	403V001B 0 0 0 0 0	0	0	Light	Fine without high winds	Dry	9 9

Accidents between dates 01/07/2002 and 30/06/2007 (60) months

Selection: Notes:

Selected using Build Query : Local_auth=210

Police Ref.	Acc Class	Date	Time	Grid References	Casualties			Causation Factors/ Prob	Ped		Light	Weather	Road Surface	Vehicle Types
					Ftd	Ser	Slr		L	MD				
B-01465-05	Slight	18/10/2005	1720	434954 406825	0	0	5	405V001A 408V001A 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 9 9 9
B-01568-05	Slight	08/11/2005	1800	434891 406339	0	0	1	405V002A 0 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 9
B-01678-05	Slight	23/11/2005	2151	434966 406821	0	0	1	305V001A 0 0 0 0 0	0 0 0		Dark	Fine without high winds	Dry	9 9
B-00462-06	Slight	06/04/2006	1440	435022 406992	0	0	1	405V001A 401V001A 602V001A 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 9
B-00513-06	Slight	16/04/2006	1355	435018 406983	0	0	3	405V001A 0 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 9 9
B-00923-06	Slight	19/07/2006	1015	434933 407019	0	0	1	0 0 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	11 9
B-01088-06	Slight	11/08/2006	1800	434890 406339	0	0	1	406V002B 0 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 9
B-01057-06	Slight	17/08/2006	1720	434853 406387	0	0	1	103V002A 307V002A 0 0 0 0	0 0 0		Light	Other	Wet/Damp	9 9
B-01151-06	Slight	05/09/2006	1720	435022 406983	0	0	2	301V001A 307V001A 0 0 0 0	0 0 0		Light	Fine with high winds	Dry	9 9
B-01275-06	Slight	26/09/2006	1629	434924 406699	0	0	1	405V001B 0 0 0 0 0	0 0 0		Light	Fine without high winds	Dry	9 1
B-01691-06	Slight	12/12/2006	1215	435022 407001	0	0	1	605V002A 405V002A 0 0 0 0	0 0 0		Light	Raining without high winds	Wet/Damp	9 9 9
B-00063-07	Slight	18/01/2007	0722	434825 406407	0	0	1	405V1A 404V2A	0 0 0		Light	Raining with high winds	Wet/Damp	11 21
B-00592-07	Slight	07/05/2007	2030	435020 407004	0	0	2	501V2A 405V2A 602V2A	0 0 0		Light	Fine without high winds	Dry	14 9 9

Column Totals

No. of Accidents

Total number of accidents listed: 42

APPENDIX C

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL

Category : K - RETAIL PARK - EXCLUDING FOOD

Selected regions and areas:**02 SOUTH EAST**

ES EAST SUSSEX 1 days

HC HAMPSHIRE 2 days

SC SURREY 2 days

06 WEST MIDLANDS

WM WEST MIDLANDS 1 days

WO WORCESTERSHIRE 1 days

08 NORTH WEST

GM GREATER MANCHESTER 6 days

LC LANCASHIRE 2 days

Main parameter selection:

Parameter: Gross floor area

Range: 2057 to 10219 (units: sqm)

Date Range: 01/01/96 to 06/07/03

Selected survey days:

Monday 1 days

Tuesday 1 days

Wednesday 1 days

Thursday 2 days

Friday 10 days

Selected survey types:

Manual count 10 days

One way ATC count 5 days

LIST OF SITES relevant to selection parameters

- | | | | |
|---|-------------------------|------------------------------|---------------------------|
| 1 | ES-01-K-04 | RETAIL PARK, NEWHAVEN | EAST SUSSEX |
| | THE DROVE | | |
| | NEWHAVEN | | |
| | Total Gross floor area: | 6758 sqm | |
| | Survey date: | THURSDAY 03/07/03 | Survey Type: MANUAL |
| 2 | GM-01-K-05 | RET.PK, STOCKPORT | GREATER MANCHESTER |
| | A626 MANCHESTER ROAD | | |
| | HEATON NORRIS | | |
| | STOCKPORT | | |
| | Total Gross floor area: | 9816 sqm | |
| | Survey date: | FRIDAY 21/02/97 | Survey Type: MANUAL |
| 3 | GM-01-K-10 | RET.PK, BOLTON | GREATER MANCHESTER |
| | LOWER BRIDGEMAN STREET | | |
| | BOLTON | | |
| | Total Gross floor area: | 8033 sqm | |
| | Survey date: | MONDAY 22/07/96 | Survey Type: ONE WAY ATC |
| | Survey date: | TUESDAY 23/07/96 | Survey Type: ONE WAY ATC |
| | Survey date: | WEDNESDAY 24/07/96 | Survey Type: ONE WAY ATC |
| | Survey date: | THURSDAY 25/07/96 | Survey Type: ONE WAY ATC |
| | Survey date: | FRIDAY 26/07/96 | Survey Type: ONE WAY ATC |
| 4 | HC-01-K-02 | RETAIL PARK, FAREHAM | HAMPSHIRE |
| | SOUTHAMPTON ROAD | | |
| | SEGENSWORTH | | |
| | FAREHAM | | |
| | Total Gross floor area: | 7907 sqm | |
| | Survey date: | FRIDAY 15/01/99 | Survey Type: MANUAL |
| 5 | HC-01-K-03 | RETAIL PARK, FAREHAM | HAMPSHIRE |
| | SOUTHAMPTON ROAD | | |
| | SEGENSWORTH | | |
| | FAREHAM | | |
| | Total Gross floor area: | 3298 sqm | |
| | Survey date: | FRIDAY 15/01/99 | Survey Type: MANUAL |
| 6 | LC-01-K-03 | RET.PK, LANCASTER | LANCASHIRE |
| | MELLISHAW LANE | | |
| | WHITE LUND | | |
| | LANCASTER/MORECAMBE | | |
| | Total Gross floor area: | 10219 sqm | |
| | Survey date: | FRIDAY 11/10/96 | Survey Type: MANUAL |
| 7 | LC-01-K-04 | RET.PK, PRESTON | LANCASHIRE |
| | QUEEN STREET | | |
| | PRESTON | | |
| | Total Gross floor area: | 6259 sqm | |
| | Survey date: | FRIDAY 27/06/97 | Survey Type: MANUAL |
| 8 | SC-01-K-03 | BROOKLANDS, WEYBRIDGE | SURREY |
| | SOPWITH DRIVE | | |
| | WEYBRIDGE | | |
| | Total Gross floor area: | 3460 sqm | |
| | Survey date: | FRIDAY 17/05/96 | Survey Type: MANUAL |

LIST OF SITES relevant to selection parameters (Cont.)

9	SC-01-K-04	BROOKLANDS, WEYBRIDGE	SURREY
		SOPWITH DRIVE	
		WEYBRIDGE	
		Total Gross floor area:	3460 sqm
		Survey date: FRIDAY	14/11/97
			Survey Type: MANUAL
10	WM-01-K-01	BATTERY PARK, BIRMINGHAM	WEST MIDLANDS
		HARBORNE LANE	
		SELLY OAK	
		BIRMINGHAM	
		Total Gross floor area:	9740 sqm
		Survey date: FRIDAY	16/06/00
			Survey Type: MANUAL
11	WO-01-K-01	HOMEBASE/ALLIED, REDDITCH	WORCESTERSHIRE
		ALVECHURCH HIGHWAY	
		ENFIELD	
		REDDITCH	
		Total Gross floor area:	5854 sqm
		Survey date: FRIDAY	05/07/02
			Survey Type: MANUAL

TRIP RATE for Land Use 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate
00:00 - 01:00	5	8033	0.01	5	8033	0.02	5	8033	0.03
01:00 - 02:00	5	8033	0.01	5	8033	0.01	5	8033	0.02
02:00 - 03:00	5	8033	0.00	5	8033	0.00	5	8033	0.00
03:00 - 04:00	5	8033	0.00	5	8033	0.00	5	8033	0.00
04:00 - 05:00	5	8033	0.00	5	8033	0.01	5	8033	0.01
05:00 - 06:00	5	8033	0.02	5	8033	0.01	5	8033	0.03
06:00 - 07:00	5	8033	0.00	5	8033	0.02	5	8033	0.02
07:00 - 08:00	9	8035	0.17	9	8035	0.06	9	8035	0.23
08:00 - 09:00	13	7694	0.68	13	7694	0.32	13	7694	1.00
09:00 - 10:00	15	7129	1.24	15	7129	0.85	15	7129	2.09
10:00 - 11:00	15	7129	1.71	15	7129	1.49	15	7129	3.20
11:00 - 12:00	15	7129	1.90	15	7129	1.73	15	7129	3.63
12:00 - 13:00	15	7129	1.95	15	7129	1.96	15	7129	3.91
13:00 - 14:00	15	7129	2.08	15	7129	2.04	15	7129	4.12
14:00 - 15:00	15	7129	2.10	15	7129	2.09	15	7129	4.19
15:00 - 16:00	15	7129	1.88	15	7129	2.00	15	7129	3.88
16:00 - 17:00	15	7129	1.60	15	7129	1.77	15	7129	3.37
17:00 - 18:00	15	7129	1.32	15	7129	1.45	15	7129	2.77
18:00 - 19:00	15	7129	1.32	15	7129	1.42	15	7129	2.74
19:00 - 20:00	15	7129	1.13	15	7129	1.44	15	7129	2.57
20:00 - 21:00	10	8205	0.28	10	8205	0.65	10	8205	0.93
21:00 - 22:00	8	7762	0.12	8	7762	0.14	8	7762	0.26
22:00 - 23:00	5	8033	0.14	5	8033	0.15	5	8033	0.29
23:00 - 24:00	5	8033	0.06	5	8033	0.05	5	8033	0.11
Daily Trip Rates:			19.75				19.71	39.40	

Parameter summary

Trip rate parameter range selected: 2057 - 10219 (units: sqm)
 Survey date date range: 01/01/96 - 06/07/03
 Number of weekdays (Monday-Friday): 15
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
Category : K - RETAIL PARK - EXCLUDING FOOD

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	HC HAMPSHIRE	1 days
	SC SURREY	2 days
03	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
06	NORTH WEST	
	GM GREATER MANCHESTER	2 days
	LC LANCASHIRE	2 days

Main parameter selection:

Parameter: Gross floor area
Range: 2057 to 10219 (units: sqm)

Date Range: 01/01/96 to 06/07/03

Selected survey days:

Saturday 10 days

Selected survey types:

Manual count 9 days
One way ATC count 1 days

LIST OF SITES relevant to selection parameters

- | | | | |
|---|---|--------------------------|--------------------|
| 1 | ES-01-K-04
THE DROVE | RETAIL PARK, NEWHAVEN | EAST SUSSEX |
| | NEWHAVEN | | |
| | Total Gross floor area: 6758 sqm | | |
| | Survey date: SATURDAY 05/07/03 | | |
| 2 | GM-01-K-05
A626 MANCHESTER ROAD
HEATON NORRIS
STOCKPORT | RET.PK,STOCKPORT | GREATER MANCHESTER |
| | Total Gross floor area: 9816 sqm | | |
| | Survey date: SATURDAY 01/03/97 | | |
| 3 | GM-01-K-10
LOWER BRIDGEMAN STREET | RET.PK,BOLTON | GREATER MANCHESTER |
| | BOLTON | | |
| | Total Gross floor area: 8033 sqm | | |
| | Survey date: SATURDAY 27/07/96 | | |
| 4 | HC-01-K-02
SOUTHAMPTON ROAD
SEGENSWORTH
FAREHAM | RETAIL PARK, FAREHAM | HAMPSHIRE |
| | Total Gross floor area: 7907 sqm | | |
| | Survey date: SATURDAY 16/01/99 | | |
| 5 | LC-01-K-03
MELLISHAW LANE
WHITE LUND
LANCASTER/MORECAMBE | RET.PK,LANCASTER | LANCASHIRE |
| | Total Gross floor area: 10219 sqm | | |
| | Survey date: SATURDAY 12/10/96 | | |
| 6 | LC-01-K-04
QUEEN STREET | RET.PK,PRESTON | LANCASHIRE |
| | PRESTON | | |
| | Total Gross floor area: 6259 sqm | | |
| | Survey date: SATURDAY 28/06/97 | | |
| 7 | SC-01-K-03
SOPWITH DRIVE | BROOKLANDS,WEYBRIDGE | SURREY |
| | WEYBRIDGE | | |
| | Total Gross floor area: 3460 sqm | | |
| | Survey date: SATURDAY 18/05/96 | | |
| 8 | SC-01-K-04
SOPWITH DRIVE | BROOKLANDS,WEYBRIDGE | SURREY |
| | WEYBRIDGE | | |
| | Total Gross floor area: 3460 sqm | | |
| | Survey date: SATURDAY 15/11/97 | | |
| 9 | WM-01-K-01
HARBORNE LANE
SELLY OAK
BIRMINGHAM | BATTERY PARK, BIRMINGHAM | WEST MIDLANDS |
| | Total Gross floor area: 9740 sqm | | |
| | Survey date: SATURDAY 17/06/00 | | |

LIST OF SITES relevant to selection parameters (Cont.)

10	WO-01-K-01	HOMEBASE/ALLIED, REDDITCH	WORCESTERSHIRE
		ALVECHURCH HIGHWAY	
		ENFIELD	
		REDDITCH	
		Total Gross floor area:	5854 sqm
		Survey date: SATURDAY	06/07/02
			Survey Type: MANUAL

TRIP RATE for Land Use 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	8033	0.01	1	8033	0.01	1	8033	0.02
01:00 - 02:00	1	8033	0.00	1	8033	0.00	1	8033	0.00
02:00 - 03:00	1	8033	0.00	1	8033	0.01	1	8033	0.01
03:00 - 04:00	1	8033	0.00	1	8033	0.00	1	8033	0.00
04:00 - 05:00	1	8033	0.01	1	8033	0.01	1	8033	0.02
05:00 - 06:00	1	8033	0.02	1	8033	0.01	1	8033	0.03
06:00 - 07:00	1	8033	0.01	1	8033	0.01	1	8033	0.02
07:00 - 08:00	5	8036	0.09	5	8036	0.03	5	8036	0.12
08:00 - 09:00	8	8073	0.89	8	8073	0.47	8	8073	1.36
09:00 - 10:00	10	7151	1.67	10	7151	1.16	10	7151	2.83
10:00 - 11:00	10	7151	2.92	10	7151	2.33	10	7151	5.25
11:00 - 12:00	10	7151	3.62	10	7151	3.40	10	7151	7.02
12:00 - 13:00	10	7151	3.49	10	7151	3.34	10	7151	6.83
13:00 - 14:00	10	7151	3.72	10	7151	3.55	10	7151	7.27
14:00 - 15:00	10	7151	4.51	10	7151	4.22	10	7151	8.73
15:00 - 16:00	10	7151	3.98	10	7151	4.24	10	7151	8.22
16:00 - 17:00	10	7151	3.15	10	7151	3.62	10	7151	6.77
17:00 - 18:00	10	7151	2.05	10	7151	2.88	10	7151	4.93
18:00 - 19:00	8	8073	0.75	8	8073	1.36	8	8073	2.11
19:00 - 20:00	7	7824	0.50	7	7824	0.68	7	7824	1.18
20:00 - 21:00	4	7591	0.07	4	7591	0.10	4	7591	0.17
21:00 - 22:00	1	8033	0.19	1	8033	0.20	1	8033	0.39
22:00 - 23:00	1	8033	0.10	1	8033	0.10	1	8033	0.20
23:00 - 24:00	1	8033	0.12	1	8033	0.14	1	8033	0.26
Daily Trip Rates:			31.88			31.88			63.74

Parameter summary

Trip rate parameter range selected: 2057 - 10219 (units: sqm)
 Survey date date range: 01/01/96 - 06/07/03
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 10
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : F - WAREHOUSING (COMMERCIAL)

Selected regions and areas:

01	GREATER LONDON	
	GL GREATER LONDON	23 days
02	SOUTH EAST	
	BD BEDFORDSHIRE	1 days
	BF BRACKNELL FOREST	1 days
	ES EAST SUSSEX	1 days
	KC KENT	1 days
	RE READING	2 days
	SC SURREY	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	WO WORCESTERSHIRE	1 days

Main parameter selection:

Parameter: Gross floor area
Range: 950 to 7900 (units: sqm)

Date Range: 01/01/91 to 27/09/02

Selected survey days:

Monday	2 days
Tuesday	9 days
Wednesday	8 days
Thursday	10 days
Friday	3 days

Selected survey types:

Manual count	24 days
One way ATC count	8 days

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	9	5144	0.02	9	5144	0.01	9	5144	0.03
00:30 - 01:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
01:00 - 01:30	9	5144	0.00	9	5144	0.00	9	5144	0.00
01:30 - 02:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
02:00 - 02:30	9	5144	0.00	9	5144	0.00	9	5144	0.00
02:30 - 03:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
03:00 - 03:30	9	5144	0.01	9	5144	0.00	9	5144	0.01
03:30 - 04:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
04:00 - 04:30	9	5144	0.01	9	5144	0.01	9	5144	0.02
04:30 - 05:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
05:00 - 05:30	9	5144	0.01	9	5144	0.01	9	5144	0.02
05:30 - 06:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
06:00 - 06:30	11	4973	0.06	11	4973	0.02	11	4973	0.08
06:30 - 07:00	11	4973	0.06	11	4973	0.01	11	4973	0.07
07:00 - 07:30	32	4642	0.09	32	4642	0.05	32	4642	0.14
07:30 - 08:00	32	4642	0.09	32	4642	0.05	32	4642	0.14
08:00 - 08:30	32	4642	0.19	32	4642	0.04	32	4642	0.23
08:30 - 09:00	32	4642	0.16	32	4642	0.04	32	4642	0.20
09:00 - 09:30	32	4642	0.15	32	4642	0.05	32	4642	0.20
09:30 - 10:00	32	4642	0.14	32	4642	0.06	32	4642	0.20
10:00 - 10:30	32	4642	0.08	32	4642	0.08	32	4642	0.16
10:30 - 11:00	32	4642	0.07	32	4642	0.07	32	4642	0.14
11:00 - 11:30	32	4642	0.07	32	4642	0.07	32	4642	0.14
11:30 - 12:00	32	4642	0.06	32	4642	0.07	32	4642	0.13
12:00 - 12:30	32	4642	0.09	32	4642	0.09	32	4642	0.18
12:30 - 13:00	32	4642	0.08	32	4642	0.09	32	4642	0.17
13:00 - 13:30	32	4642	0.12	32	4642	0.11	32	4642	0.23
13:30 - 14:00	32	4642	0.12	32	4642	0.09	32	4642	0.21
14:00 - 14:30	32	4642	0.11	32	4642	0.09	32	4642	0.20
14:30 - 15:00	32	4642	0.09	32	4642	0.09	32	4642	0.18
15:00 - 15:30	32	4642	0.06	32	4642	0.08	32	4642	0.14
15:30 - 16:00	32	4642	0.05	32	4642	0.07	32	4642	0.12
16:00 - 16:30	32	4642	0.06	32	4642	0.11	32	4642	0.17
16:30 - 17:00	32	4642	0.05	32	4642	0.11	32	4642	0.16
17:00 - 17:30	32	4642	0.05	32	4642	0.19	32	4642	0.24
17:30 - 18:00	32	4642	0.04	32	4642	0.17	32	4642	0.21
18:00 - 18:30	28	4887	0.03	28	4887	0.10	28	4887	0.13
18:30 - 19:00	28	4887	0.02	28	4887	0.10	28	4887	0.12
19:00 - 19:30	11	5068	0.02	11	5068	0.03	11	5068	0.05
19:30 - 20:00	11	5068	0.01	11	5068	0.03	11	5068	0.04
20:00 - 20:30	10	4970	0.01	10	4970	0.01	10	4970	0.02
20:30 - 21:00	10	4970	0.01	10	4970	0.01	10	4970	0.02
21:00 - 21:30	10	4970	0.01	10	4970	0.02	10	4970	0.03
21:30 - 22:00	10	4970	0.01	10	4970	0.01	10	4970	0.02
22:00 - 22:30	9	5144	0.01	9	5144	0.01	9	5144	0.02
22:30 - 23:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
23:00 - 23:30	9	5144	0.01	9	5144	0.01	9	5144	0.02
23:30 - 24:00	9	5144	0.01	9	5144	0.01	9	5144	0.02
Daily Trip Rates:			2.40			2.36			4.75

Parameter summary

Trip rate parameter range selected:	950 - 7900 (units: sqm)
Survey date date range:	01/01/91 - 27/09/02
Number of weekdays (Monday-Friday):	32
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	NO
Surveys manually removed from selection:	0

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

VEHICLES**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	5	5442	0.000	5	5442	0.000	5	5442	0.000
00:30 - 01:00	5	5442	0.000	5	5442	0.000	5	5442	0.000
01:00 - 01:30	5	5442	0.000	5	5442	0.000	5	5442	0.000
01:30 - 02:00	5	5442	0.000	5	5442	0.000	5	5442	0.000
02:00 - 02:30	5	5442	0.000	5	5442	0.015	5	5442	0.015
02:30 - 03:00	5	5442	0.000	5	5442	0.007	5	5442	0.007
03:00 - 03:30	5	5442	0.000	5	5442	0.007	5	5442	0.007
03:30 - 04:00	5	5442	0.000	5	5442	0.004	5	5442	0.004
04:00 - 04:30	5	5442	0.000	5	5442	0.004	5	5442	0.004
04:30 - 05:00	5	5442	0.000	5	5442	0.004	5	5442	0.004
05:00 - 05:30	5	5442	0.011	5	5442	0.048	5	5442	0.059
05:30 - 06:00	5	5442	0.004	5	5442	0.040	5	5442	0.044
06:00 - 06:30	5	5442	0.048	5	5442	0.055	5	5442	0.103
06:30 - 07:00	5	5442	0.037	5	5442	0.044	5	5442	0.081
07:00 - 07:30	35	6735	0.207	35	6735	0.042	35	6735	0.249
07:30 - 08:00	35	6735	0.408	35	6735	0.058	35	6735	0.466
08:00 - 08:30	36	7058	0.719	36	7058	0.096	36	7058	0.815
08:30 - 09:00	36	7058	0.862	36	7058	0.100	36	7058	0.962
09:00 - 09:30	37	6894	0.598	37	6894	0.131	37	6894	0.729
09:30 - 10:00	37	6894	0.391	37	6894	0.153	37	6894	0.544
10:00 - 10:30	37	6894	0.209	37	6894	0.147	37	6894	0.356
10:30 - 11:00	37	6894	0.180	37	6894	0.149	37	6894	0.329
11:00 - 11:30	37	6894	0.159	37	6894	0.165	37	6894	0.324
11:30 - 12:00	37	6894	0.177	37	6894	0.172	37	6894	0.349
12:00 - 12:30	37	6894	0.194	37	6894	0.323	37	6894	0.517
12:30 - 13:00	37	6894	0.236	37	6894	0.307	37	6894	0.543
13:00 - 13:30	37	6894	0.289	37	6894	0.274	37	6894	0.563
13:30 - 14:00	37	6894	0.292	37	6894	0.216	37	6894	0.508
14:00 - 14:30	37	6894	0.228	37	6894	0.193	37	6894	0.421
14:30 - 15:00	37	6894	0.155	37	6894	0.187	37	6894	0.342
15:00 - 15:30	37	6894	0.139	37	6894	0.192	37	6894	0.331
15:30 - 16:00	37	6894	0.131	37	6894	0.219	37	6894	0.350
16:00 - 16:30	37	6894	0.121	37	6894	0.440	37	6894	0.561
16:30 - 17:00	37	6894	0.123	37	6894	0.493	37	6894	0.616
17:00 - 17:30	36	7058	0.122	36	7058	0.782	36	7058	0.904
17:30 - 18:00	36	7058	0.098	36	7058	0.536	36	7058	0.634
18:00 - 18:30	35	7062	0.042	35	7062	0.261	35	7062	0.303
18:30 - 19:00	35	7062	0.027	35	7062	0.146	35	7062	0.173
19:00 - 19:30	5	5442	0.033	5	5442	0.198	5	5442	0.231
19:30 - 20:00	5	5442	0.033	5	5442	0.195	5	5442	0.228
20:00 - 20:30	5	5442	0.018	5	5442	0.081	5	5442	0.099
20:30 - 21:00	5	5442	0.018	5	5442	0.074	5	5442	0.092
21:00 - 21:30	5	5442	0.044	5	5442	0.151	5	5442	0.195
21:30 - 22:00	5	5442	0.033	5	5442	0.143	5	5442	0.176
22:00 - 22:30	5	5442	0.000	5	5442	0.026	5	5442	0.026
22:30 - 23:00	5	5442	0.000	5	5442	0.018	5	5442	0.018
23:00 - 23:30	5	5442	0.000	5	5442	0.018	5	5442	0.018
23:30 - 24:00	5	5442	0.000	5	5442	0.004	5	5442	0.004
Total Rates:			6.386			6.918			13.304

Parameter summary

Trip rate parameter range selected:	408 - 175000 (units: sqm)
Survey date date range:	01/01/99 - 13/06/06
Number of weekdays (Monday-Friday):	37
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	NO
Surveys manually removed from selection:	0

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

VEHICLESSelected regions and areas:

01	GREATER LONDON	
	BT BRENT	1 days
	WH WANDSWORTH	1 days
02	SOUTH EAST	
	EX ESSEX	1 days
	HC HAMPSHIRE	1 days
	HF HERTFORDSHIRE	1 days
	KC KENT	1 days
	OX OXFORDSHIRE	1 days
	SC SURREY	3 days
	WS WEST SUSSEX	5 days
03	SOUTH WEST	
	CW CORNWALL	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	2 days
	NF NORFOLK	1 days
05	EAST MIDLANDS	
	LE LEICESTERSHIRE	3 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	2 days
08	NORTH WEST	
	LC LANCASHIRE	3 days
09	NORTH	
	CB CUMBRIA	1 days
	TV TEES VALLEY	2 days
	TW TYNE & WEAR	2 days
10	WALES	
	WR WREXHAM	1 days
11	SCOTLAND	
	AS ABERDEENSHIRE	2 days
	HI HIGHLAND	1 days

Sanderson Associates (CE) Ltd. Sanderson House, Jubilee Way, Grange Moor, Wakefield

Licence No: 311901

Main parameter selection:

Parameter: Gross floor area
Range: 408 to 175000 (units: sqm)

Date Range: 01/01/99 to 13/06/06

Selected survey days:

Monday	6 days
Tuesday	9 days
Wednesday	9 days
Thursday	10 days
Friday	3 days

Selected survey types:

Manual count	32 days
Directional ATC Count	5 days

PLANS