

Horizon Residential Developments Ltd
Lowfield Road, Bolton upon Dearne
Transport Statement
September 2008



Halcrow Group Limited

Halcrow

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Halcrow Group Limited
Armdale House Otley Road Headingley Leeds LS6 2UL
Tel +44 (0)113 220 8220 Fax +44 (0)113 274 2924
www.halcrow.com

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Lowfield Road, Bolton upon Dearne
Transport Statement

Contents Amendment Record

This report has been issued and amended as follows:

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001		Transport Statement	18/09/08	IV

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1 Introduction

1.1 *General*

1.1.1 Halcrow has been commissioned by Horizon Residential Developments Ltd to prepare a Transport Statement (TS) for a proposed residential development on land situated to the south of Lowfield Road, in Bolton upon Dearne, South Yorkshire.

1.1.2 This document is an update of a Transport Assessment produced by Halcrow and submitted to Barnsley MBC in June 2006 for a larger scale development on the same site. This Transport Statement has been produced for a revised smaller scheme.

1.1.3 This document considers the traffic that is likely to be generated by the proposed development, compares this with the traffic generation from the former use of the site and assesses the impact of the net traffic generation. It examines the location of the site in relation to the local transport infrastructure and looks at the opportunities for sustainable transport.

1.2 *Site Location*

1.2.1 The site is located on land off Lowfield Road, to the east edge of Bolton upon Dearne, close to Bolton on Dearne railway station.

1.2.2 The site covers 5.383 hectares and currently comprises the empty premises of a furniture manufacturing operation.

1.2.3 The general location of the site is shown in Figure 1.

1.3 *Proposed Development*

1.3.1 Planning permission is sought for 50 residential units. The proposed residential units comprise 40 houses and 10 apartments.

1.4 *Highway Access*

1.4.1 Access to the site will be provided from a new access road off Lowfield Road. The site access road will link up with Lowfield Road via a priority junction.

2 Existing Conditions

2.1 *Highway Network*

2.1.1 The site is located on Lowfield Road, and close to the town centre of Bolton upon Dearne. The surrounding highway network does not currently experience congestion or serious safety problems.

2.1.2 Lowfield Road is a single two-way carriageway, about 6.5m wide, which links the site with the town centre to the west, while to the east it becomes a farmers track providing access to fields.

2.1.3 A hump-backed stone bridge, 6.5m wide, directly to the west of the proposed development carries Lowfield Road over the main Sheffield – Wakefield railway line. Lowfield Road then meets Calder Road; Manor Way and finally Station Road and Angel Street at a minor/major priority junction.

2.2 *Pedestrian Facilities*

2.2.1 A 1.2m wide footway is provided only at the northern side of Lowfield Road in the vicinity of the site. However, footways are provided at both sides of the road from Lowfield Road Bridge and to the west up to junction with Station Road.

2.2.2 The main desire line for walk trips can be summarised as being to/from the following locations, which are within walking distance from the development:

- Bolton on Dearne Railway Station;
- Bus Stops on Station Road/Angel Street; and
- Bolton on Dearne town centre.

2.3 *Cyclists and Equestrians*

2.3.1 The multi-user Trans Pennine Trail runs along Lowfield Road from Station Road to its eastern end. This is also part of the National Cycle Network (Route 62). The route is on-road along Lowfield Road. The very lightly trafficked nature and low traffic speed of Lowfield Road means that it is suitable for cyclists and equestrians. The addition of traffic associated with the development will not significantly worsen conditions for these user groups.

2.4

Public Transport

2.4.1

Institution of Highways and Transportation (IHT) "Guidelines for Planning for Public Transport" recommends that new developments should be located within 800 metres of a rail station in order to ensure that the service is both accessible and convenient to residents. The IHT guidelines also suggest that the maximum acceptable walking distance between a development and bus services should be 400 metres. Ideally, walking distances to bus services should be within 200 metres.

2.5

Rail Service Accessibility

2.5.1

Bolton on Dearne railway station is situated approximately 300 metres to the west of the proposed development, thereby satisfying IHT guidelines on rail service accessibility.

2.5.2

The station is served by the Wakefield Line and offers direct rail services to Sheffield, Rotherham, Wakefield and Leeds. Table 1 shows the frequency of departures and journey times to these destinations from Bolton on Dearne.

Destination	Frequency	Journey Time
Rotherham	Hourly	14 minutes
Sheffield	Hourly	30 minutes
Wakefield	Hourly	27 minutes
Leeds	Hourly	48 minutes

Table 1 – Bolton on Dearne rail services (weekday services 0800–1800)

2.5.3

Passenger facilities provided at the station include a passenger car park, covered shelters on platforms, timetable displays, pole lighting and CCTV.

2.6

Bus Service Accessibility

2.6.1

Access from the development to existing local bus services is within IHT guidelines on maximum acceptable walk distance (approximately 300m to both stops). Bus stops are located on the B6098 either side of its junction with Lowfield Road, close to Bolton on Dearne railway station. Provision on the south bound side of Station Road is limited to a bus stop pole and timetable only, whilst the northbound side of Angel Street has full provision of a shelter, seating, timetable and help point.

2.6.2

Table 2 summarises the bus services available from these stops.

Service	Destination	Frequency	Journey Time
226	Barnsley	Every 30 minutes	40 minutes
226	Thurnscoe	Every 30 minutes	15 - 20 minutes

Table 2 - Bus services (weekday services 0800-1800)

2.7

Existing Traffic Flows

2.7.1

Traffic surveys were commissioned and traffic flow data was collected by a specialist traffic survey company on Wednesday 1st March 2006 at Lowfield Road/scrap yard access.

2.7.2

The traffic survey data, included in the Appendix A, identified that 14 vehicles travelled on Lowfield Road to the east and 61 to the west in the AM Peak and 63 vehicles to the east and 33 to the west in the PM peak. That shows that the traffic flows on Lowfield Road are generally very low.

3 Proposed Development

3.1 *Site Layout*

3.1.1 The Proposed Development comprises 50 residential units, 8 semi-detached, 26 detached and 6 terraced houses as well as 10 apartments.

3.1.2 The internal road network has been designed for slow speeds, making the road environment more suitable for non-motorised traffic and pedestrians.

3.1.3 The proposed site layout is included at Appendix B.

3.2 *Access*

3.2.1 Access to the site will be provided from a new access road off Lowfield Road. The site access road will link up with Lowfield Road via a priority junction.

3.2.2 Visibility splays of 2.4m x 90m can be achieved at the site access on both directions and are shown in Appendix C. The site access therefore provides a safe and suitable link in to the existing road network. Appropriate dropped kerb crossings should also be provided to facilitate pedestrian crossing across the junction mouth.

3.2.3 A swept path analysis, included in the Appendix D, has been undertaken at the site access that shows that a large refuse vehicle can enter and exit the site without a problem.

3.2.4 A pedestrian link will be provided in the northwest side of the development in order to promote pedestrian permeability to the site and decrease the walking distance to the west and especially to the train station. However, as this is an outline planning application an indicative position for this link has been shown given that a detailed layout will be submitted at reserved matters stage.

3.2.5 Off-site highway improvements associated with the development will include the provision of a new footway along the southern side of Lowfield Road.

3.3

Parking

3.3.1

The car parking provision on the development includes 35 garages with associated parking to the front of the garage; 4 side drives accommodating 2 parking spaces each and 22 individual parking spaces.

3.3.2

This proposal is for higher value, larger properties on a low density which is less likely to compete with the Housing Market Renewal sites that have been released in the local area which is what has been agreed by Planners.

3.3.3

The total car parking provision of 65 spaces complies with the maximum recommended by Barnsley Metropolitan Borough Council's SPG2 and PPG13 (1.5 spaces per dwelling) and it is suitable for this type of development.

4 Traffic Impact

4.1 Traffic Generation

4.1.1 Trip rates for the proposed development have been calculated from the TRICS Database for the peak hour weekday case.

4.1.2 The TRICS database version 2008 (b) has been examined and information abstracted for the category "Houses Privately Owned" and "Flats Privately Owned", in order to identify the traffic likely to be generated by the proposed 40 houses and 10 apartments respectively. Sites throughout the UK (but excluding London and Ireland) have been included.

4.1.3 The average trip rate has been identified for each site, as well as the 85%ile trip rate. The data has been presented in the following tables and the TRICS output has been included in the Appendix E.

Trip Rate		Average		85%ile	
		Arrivals	Departures	Arrivals	Departures
Private Houses	0800-0900	0.152	0.426	0.201	0.543
	1700-1800	0.402	0.227	0.526	0.307
Private Flats	0800-0900	0.252	0.372	0.125	0.375
	1700-1800	0.183	0.122	0.333	0.250

Table 3 – Trip Rates (per household), Proposed Development

4.1.4 This gives the following number of vehicle trips based on the number of households of the proposed development.

No of Trips		Average		85%ile	
		Arrivals	Departures	Arrivals	Departures
Private Houses	0800-0900	6	17	8	22
	1700-1800	16	9	21	12
Private Flats	0800-0900	3	4	1	4
	1700-1800	2	1	3	3
TOTAL	0800-0900	9	21	9	25
	1700-1800	18	10	24	15

Table 4 – Total Number of Trips, Proposed Development

4.1.5

The former use of the site was generating traffic movements. As the last business on the existing site went into liquidation there is no data available to Halcrow relating to the transport characteristics of the former land use (such as parking spaces, shift details, or lorry movements). In order to estimate the traffic being generated by the former use, the TRICS database has been examined and information abstracted for "Industrial Unit" as the closest match to furniture manufacture business.

4.1.6

Full TRICS output for "Industrial Unit" is included at Appendix E and is summarised in Table 5 below

Industrial Unit	Trip Rates			
	Average		85%ile	
	Arrivals	Departures	Arrivals	Departures
0800-0900	0.266	0.068	0.742	0.197
1700-1800	0.056	0.311	0.179	0.739

Table 5 – Trip Rates (per sqm), Former Site Use

4.1.7

To ensure a robust assessment, average trip rates are to be used to determine the traffic generated by the former use of the site and compared with 85%ile trip rates by the proposed development. Applying the average trip rates to the 16,945sqm of former industrial use gives the number of trips shown in Table 6.

Industrial Unit	Average No. of Trips		
	Arrivals	Departures	Total Trips
0800-0900	45	12	57
1700-1800	9	53	62

Table 6 – No of Trips, Former Site Use

4.1.8

The total number of trips from the former use of the site compared with the traffic resulting by using 85%ile trip rates from the proposed residential development gives the net difference in traffic, which is summarised in the table 7 below:

Net Traffic	No of Trips		
	Arrivals	Departures	Total Trips
0800-0900	-36	13	-23
1700-1800	15	-38	-23

Table 7 – Net Trip Generation

4.1.9

The total traffic likely to be generated by the proposed residential development, based on 85%ile trip rates shows a net reduction of 23 vehicles in both AM and PM Peak when compared with the traffic generated by the former industrial use of the site using average rates. There is however a slight difference in the generation patterns because the former use is essentially a destination in the morning whereas the proposed use will be predominantly an origin.

4.1.10

This represents a robust conservative assessment based on a worst case scenario, and therefore wider consideration of the impact of the generated traffic to the local highway network is not required.

5

Conclusions

5.1

Summary

5.1.1

This Transport Statement has been prepared on behalf of Horizon Residential Developments Property Ltd and forms part of a planning application to develop a brownfield site off Lowfield Road, Bolton upon Dearne for a residential development of 50 dwellings.

5.1.2

The site covers 5.383 hectares and currently comprises the empty premises of a furniture manufacturing operation.

5.1.3

The site is well located for local services, amenities and public transport. The development site is located within 300 metres of a railway station and bus services and close to the local centre of Bolton upon Dearne. It is therefore well sited to encourage trips on foot and by cycle.

5.1.4

The Proposed Residential Development comprises 50 residential units, 40 houses and 10 apartments. 65 parking spaces are provided within the development, which comply with the local planning guidance.

5.1.5

Access to the site will be provided from a new access road off Lowfield Road. Visibility splays of 2.4m x 90m can be achieved at the site access on both directions.

5.1.6

Off-site highway improvements associated with the development will include the provision of a new footway along the southern side of Lowfield Road with a dropped kerb crossing and appropriate tactile paving.

5.1.7

Information has been abstracted from the TRICS database to determine the traffic likely to be generated by the proposed development and the former industrial use of the site. In order to ensure a robust assessment average trip rates have been used to calculate the traffic generated by the former use and 85%ile trip rates by the proposed use. The resulting net trip generation shows a reduction in the total trips likely to be generated by the development and therefore no further highway impact assessment was considered necessary.

5.1.8

In summary, the proposed development complies with current national and local guidance and relevant planning policy guidance (PPG3 and PPG13). The site is well placed in terms of sustainable transport and the proposed development will have no detrimental impact on the local highway network. Barnsley Metropolitan Borough Council should therefore have no reason for concern, in highway safety and capacity terms, and Halcrow would not hesitate in supporting the development of the site for the land use identified in this report.

Figures



Lowfield Road, Bolton upon Dearne
Transport Statement

Halcrow

Halcrow Group Ltd
Arndale House
Otley Road
Headingley
Leeds
LS6 2UL

Figure 1
Site Location

Appendix A – Traffic Count Data

SKY HIGH TRAFFIC DATA COLLECTION

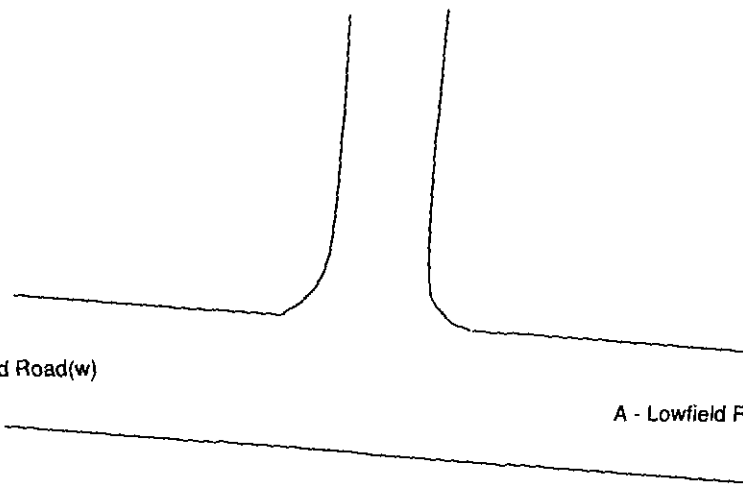
Client : Halcrow
Project : Bolton On Dearne Traffic Survey
Site plan for : 3 - Lowfield Road / Scrap Yard Access
Date : Wednesday 1st March 2006

↑
NORTH

C - Scrap Yard Access

B - Lowfield Road(w)

A - Lowfield Road(e)



SKY HIGH TRAFFIC DATA COLLECTION

Client : Hakrow

Date : Wednesday 1st March 2006

AM Weather : Cold / Sunny

Project : Bolton On Deane Traffic Survey

Site : 3 - Lowfield Road / Scrap Yard Access

PM Weather : Cold / Sunny / Patchy Cloud

Incidents : None Reported

Entry : A - Lowfield Road(e)

	Destination : A - Lowfield Road(e)						Destination : B - Lowfield Road(w)						Destination : C - Scrap Yard Access						Arm Totals
	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	
07:30	0	0	0	0	0	0	18	0	0	0	0	18	0	0	0	0	0	0	18
07:45	0	0	0	0	0	0	11	0	0	0	0	11	0	0	0	0	0	0	11
1 Hr	0	0	0	0	0	0	29	0	0	0	0	29	0	0	0	0	0	0	29
Check	0						29						0						29
08:00	0	0	0	0	0	0	17	0	0	0	1	18	0	0	0	0	0	0	18
08:15	0	0	0	0	0	0	17	0	0	0	0	17	0	0	0	0	0	0	17
08:30	0	0	0	0	0	0	17	0	0	0	0	17	0	0	0	0	0	0	17
08:45	0	0	0	0	0	0	9	0	0	0	0	9	0	0	0	0	0	0	9
1 Hr	0	0	0	0	0	0	60	0	0	0	1	61	0	0	0	0	0	0	61
Check	0						61						0						61
09:00	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	3
09:15	0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6
1 Hr	0	0	0	0	0	0	9	0	0	0	0	9	0	0	0	0	0	0	9
Check	0						9						0						9
2 Hrs	0	0	0	0	0	0	98	0	0	0	1	99	0	0	0	0	0	0	99
Check	0						99						0						99
16:30	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	4
16:45	0	0	0	0	0	0	8	0	0	0	0	8	0	0	0	0	0	0	8
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17:30	0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6
17:45	0	0	0	0	0	0	12	0	0	0	0	12	0	0	0	0	0	0	12
1 Hr	0	0	0	0	0	0	33	0	0	0	0	33	0	0	0	0	0	0	33
Check	0						33						0						33
18:00	0	0	0	0	0	0	9	0	0	0	0	9	0	0	0	0	0	0	9
18:15	0	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0	0	7
1 Hr	0	0	0	0	0	0	16	0	0	0	0	16	0	0	0	0	0	0	16
Check	0						16						0						16
2 Hrs	0	0	0	0	0	0	61	0	0	0	0	61	0	0	0	0	0	0	61
Check	0						61						0						61
Total	0	0	0	0	0	0	159	0	0	0	1	160	0	0	0	0	0	0	160

Check

160

0

160

SKY HIGH TRAFFIC DATA COLLECTION

Client : Hakrow

Date : Wednesday 1st March 2006

AM Weather : Cold / Sunny

PM Weather : Cold / Sunny / Patchy Cloud

Project : Bolton On Dearne Traffic Survey

Site : 3 - Lowfield Road / Scrap Yard Access

Incidents : None Reported

Entry : B - Lowfield Road(w)

	Destination : A - Lowfield Road(e)						Destination : B - Lowfield Road(w)						Destination : C - Scrap Yard Access						Arm Totals
	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	
07:30	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
07:45	4	0	0	0	0	4	0	0	0	0	0	0	3	0	0	0	0	3	7
1 Hr	8	0	0	0	0	8	0	0	0	0	0	0	3	0	0	0	0	3	11
Check																			
08:00	4	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	1	5
08:15	2	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	3
08:30	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
08:45	4	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	1	5
1 Hr	14	0	0	0	0	14	0	0	0	0	0	0	3	0	0	0	0	3	17
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Check																			
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Check																			
16:30	10	0	0	0	0	10	0	0	0	0	0	0	1	0	0	0	0	1	11
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1 Hr	24	0	0	1	0	25	0	0	0	0	0	0	4	0	0	0	0	4	28
Check																			
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Check																			
Total	137	0	0	1	3	141	0	0	0	0	0	0	20	1	0	0	0	21	162

SKY HIGH TRAFFIC DATA COLLECTION

Client : Halcrow

Date : Wednesday 1st March 2006

AM Weather : Cold / Sunny

Project : Bolton On Dearne Traffic Survey

Site : 3 - Lowfield Road / Scrap Yard Access

PM Weather : Cold / Sunny / Patchy Cloud

Incidents : None Reported

Entry : C - Scrap Yard Access

	Destination : A - Lowfield Road(e)						Destination : B - Lowfield Road(w)						Destination : C - Scrap Yard Access						Arm Totals
	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Check	0						1						0						1
08:00	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
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1 Hr	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
Check	0						1						0						1
2 Hrs	0	0	0	0	0	0	5	1	0	0	0	6	0	0	0	0	0	0	6
Check	0						6						0						6
16:30	0	0	0	0	0	0	2	1	0	0	0	3	0	0	0	0	0	0	3
16:45	0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6
1 Hr	0	0	0	0	0	0	8	1	0	0	0	9	0	0	0	0	0	0	9
Check	0						9						0						9
17:00	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	3
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
17:45	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2
1 Hr	0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6
Check	0						6						0						6
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Check	0						0						0						0
2 Hrs	0	0	0	0	0	0	14	1	0	0	0	15	0	0	0	0	0	0	15
Check	0						15						0						15
Total	0	0	0	0	0	0	19	2	0	0	0	21	0	0	0	0	0	0	21
Check	0						21						0						21

SKY HIGH TRAFFIC DATA COLLECTION

Client : Halbrow

Date : Wednesday 1st March 2006

AM Weather : Cold / Sunny

Project : Bolton On Dearne Traffic Survey

Site : 3 - Lowfield Road / Scrap Yard Access

PM Weather : Cold / Sunny / Patchy Cloud

Incidents : None Reported

ORIGIN SUMMARY

	Origin : A - Lowfield Road(e)						Origin : B - Lowfield Road(w)						Origin : C - Scrap Yard Access						Arm Totals
	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	
07:30	18	0	0	0	0	18	4	0	0	0	0	4	0	0	0	0	0	0	22
07:45	11	0	0	0	0	11	7	0	0	0	0	7	1	0	0	0	0	1	19
1 Hr	29	0	0	0	0	29	11	0	0	0	0	11	1	0	0	0	0	1	41
Check						28						11							41
08:00	17	0	0	0	1	18	5	0	0	0	0	5	0	1	0	0	0	1	24
08:15	17	0	0	0	0	17	3	0	0	0	0	3	0	0	0	0	0	0	20
08:30	17	0	0	0	0	17	4	0	0	0	0	4	1	0	0	0	0	1	22
08:45	9	0	0	0	0	9	5	0	0	0	0	5	2	0	0	0	0	2	16
1 Hr	60	0	0	0	1	61	17	0	0	0	0	17	3	1	0	0	0	4	82
Check						61						17							82
09:00	3	0	0	0	0	3	6	0	0	0	0	6	0	0	0	0	0	0	9
09:15	6	0	0	0	0	6	9	1	0	0	0	10	1	0	0	0	0	1	17
1 Hr	9	0	0	0	0	9	15	1	0	0	0	16	1	0	0	0	0	1	26
Check						9						16							26
2 Hrs	98	0	0	0	1	99	43	1	0	0	0	44	5	1	0	0	0	6	149
Check						99						44							149
16:30	4	0	0	0	0	4	11	0	0	0	0	11	2	1	0	0	0	3	18
16:45	8	0	0	0	0	8	17	0	0	1	0	18	6	0	0	0	0	6	32
1 Hr	12	0	0	0	0	12	28	0	0	1	0	29	8	1	0	0	0	9	50
Check						12						29							50
17:00	9	0	0	0	0	9	17	0	0	0	1	18	3	0	0	0	0	3	30
17:15	6	0	0	0	0	6	15	0	0	0	1	16	0	0	0	0	0	0	22
17:30	6	0	0	0	0	6	15	0	0	0	0	15	1	0	0	0	0	1	22
17:45	12	0	0	0	0	12	15	0	0	0	1	16	2	0	0	0	0	2	30
1 Hr	33	0	0	0	0	33	62	0	0	0	3	65	6	0	0	0	0	6	104
Check						33						65							104
18:00	9	0	0	0	0	9	12	0	0	0	0	12	0	0	0	0	0	0	21
18:15	7	0	0	0	0	7	12	0	0	0	0	12	0	0	0	0	0	0	19
1 Hr	16	0	0	0	0	16	24	0	0	0	0	24	0	0	0	0	0	0	40
Check						16						24							40
2 Hrs	61	0	0	0	0	61	114	0	0	1	3	118	14	1	0	0	0	15	194
Check						61						118							194
Total	159	0	0	0	1	160	157	1	0	1	3	162	19	2	0	0	0	21	343
Check						160						162							343

SKY HIGH TRAFFIC DATA COLLECTION

Client : Halcrow

Date : Wednesday 1st March 2006

AM Weather : Cold / Sunny

Project : Bolton On Deame Traffic Survey

Site : 3 - Lowfield Road / Scrap Yard Access

PM Weather : Cold / Sunny / Patchy Cloud

Incidents : None Reported

DESTINATION SUMMARY

	Destination : A - Lowfield Road(e)						Destination : B - Lowfield Road(w)						Destination : C - Scrap Yard Access						Arm Totals
	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	Car/Lgv	Hgv	Bus	Mc	Pc	Total	
07:30	4	0	0	0	0	4	18	0	0	0	0	18	0	0	0	0	0	0	22
07:45	4	0	0	0	0	4	12	0	0	0	0	12	3	0	0	0	0	3	19
1 Hr	8	0	0	0	0	8	30	0	0	0	0	30	3	0	0	0	0	3	41
Check						4						30						3	41
08:00	4	0	0	0	0	4	17	1	0	0	1	19	1	0	0	0	0	1	24
08:15	2	0	0	0	0	2	17	0	0	0	0	17	1	0	0	0	0	1	20
08:30	4	0	0	0	0	4	18	0	0	0	0	18	0	0	0	0	0	0	22
08:45	4	0	0	0	0	4	11	0	0	0	0	11	1	0	0	0	0	1	16
1 Hr	14	0	0	0	0	14	63	1	0	0	1	65	3	0	0	0	0	3	62
Check						14						65						3	62
09:00	4	0	0	0	0	4	3	0	0	0	0	3	2	0	0	0	0	2	9
09:15	5	0	0	0	0	5	7	0	0	0	0	7	4	1	0	0	0	5	17
1 Hr	9	0	0	0	0	9	10	0	0	0	0	10	6	1	0	0	0	7	26
Check						9						10						7	26
2 Hrs	31	0	0	0	0	31	103	1	0	0	1	105	12	1	0	0	0	13	149
Check						31						105						13	149
16:30	10	0	0	0	0	10	6	1	0	0	0	7	1	0	0	0	0	1	18
16:45	14	0	0	1	0	15	14	0	0	0	0	14	3	0	0	0	0	3	32
1 Hr	24	0	0	1	0	25	20	1	0	0	0	21	4	0	0	0	0	4	50
Check						25						21						4	50
17:00	16	0	0	0	1	17	12	0	0	0	0	12	1	0	0	0	0	1	30
17:15	16	0	0	0	1	16	6	0	0	0	0	6	0	0	0	0	0	0	22
17:30	15	0	0	0	0	15	7	0	0	0	0	7	0	0	0	0	0	0	22
17:45	14	0	0	0	1	15	14	0	0	0	0	14	1	0	0	0	0	1	30
1 Hr	60	0	0	0	3	63	39	0	0	0	0	39	2	0	0	0	0	2	104
Check						63						39						2	104
18:00	10	0	0	0	0	10	9	0	0	0	0	9	2	0	0	0	0	2	21
18:15	12	0	0	0	0	12	7	0	0	0	0	7	0	0	0	0	0	0	19
1 Hr	22	0	0	0	0	22	16	0	0	0	0	16	2	0	0	0	0	2	40
Check						22						16						2	40
2 Hrs	106	0	0	1	3	110	75	1	0	0	0	76	8	0	0	0	0	8	194
Check						110						76						8	194
Total	137	0	0	1	3	141	178	2	0	0	1	181	20	1	0	0	0	21	343

Check

141

181

21

343

Appendix B – Proposed Site Layout



Notes
 PRODUCED FROM PROMAP SURVEY INFORMATION *date*
 CROWN COPYRIGHT Licence number 100020449

A	B	C	D	E
159 m ²	123.4 m ²	112.2 m ²	141.2 m ²	157.4 m ²

A 2.5st	B 2.5st 43.7m ²	C 3st 37.4m ²	D 2.5st 43.7m ²	E 2.5st 43.7m ²	G
61.5 m ²	43.7m ²	37.4m ²	61.5m ²	77.7m ²	
36 m ²	36 m ²	37.4m ²	36 m ²	36 m ²	

House Type	Total ft ²	No of units
A 2.5 St	1711ft ² /159m ²	7
B 2.5 St	1328ft ² /123.4m ²	7
C 3 St	1207ft ² /112.2m ²	5
D 2.5 St internal garage	1519ft ² /141.2m ²	16
E 2.5 St double internal garage	1694ft ² /157.4m ²	5
Apartment 2 bed	684ft ² /63.8m ²	10
Total No of Units		50
Semi-Detached		8
Detached		26
Terrace		6
Apartments		10

Revision | - | By | - | Checked | - | Date | - |

First Issue

planners | urbanists | architects

Junction 41 Business Court, Thorpe Road, East Ardsley, Leeds, West Yorkshire WF3 2AB
 T: 01924 873873 F: 01924 870777 www.spawforths.co.uk mail@spawforths.co.uk

Planning

Client Name
 AWG

Project No.	Project Title
3224	Lowfield Road, Bolton upon Dearne

Drawn By	Checked By	Scale	Division	Date
MB	HR	1:500@A2	architects	June 08

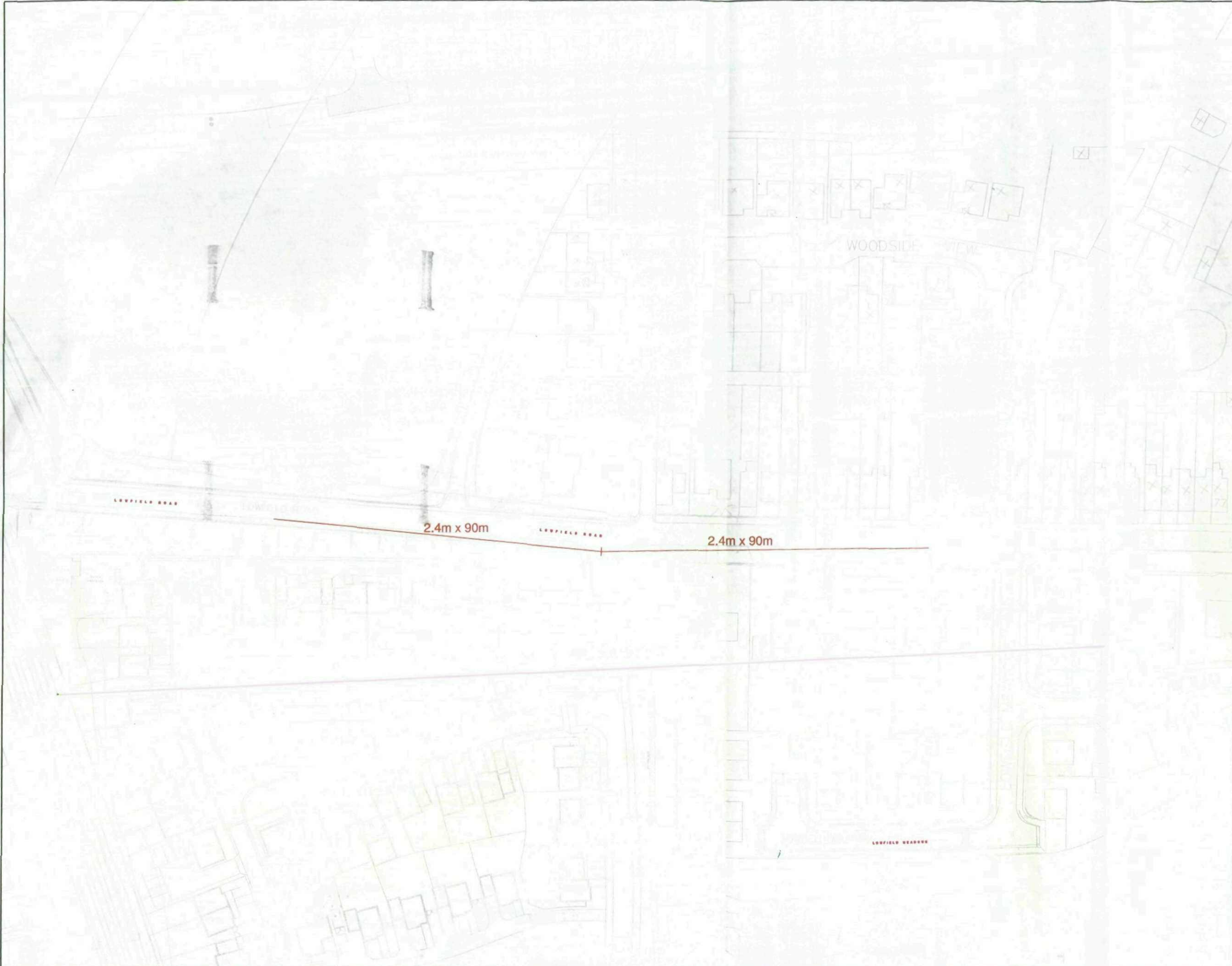
Drawing No.	Drawing Title	Revision
201-001	Proposed Site Plan	X

File Path

Important notice:
 Do not scale off this drawing. Critical dimensions should be checked on site prior to works commencing. Dimensional conflicts should be brought to the company's attention as soon as they become apparent. Failure to do so could render the contractor liable for subsequent losses. Copyright in this drawing and any work executed from this drawing remains the property of Spawforths.

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Appendix C – Visibility Splays



Client
HORIZON RESIDENTIAL DEVELOPMENTS LTD

Halcrow Group Ltd
 1st Floor, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Halcrow

Project
 Lowfield Road
 Bolton upon Dearne

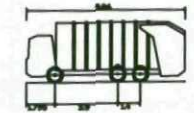
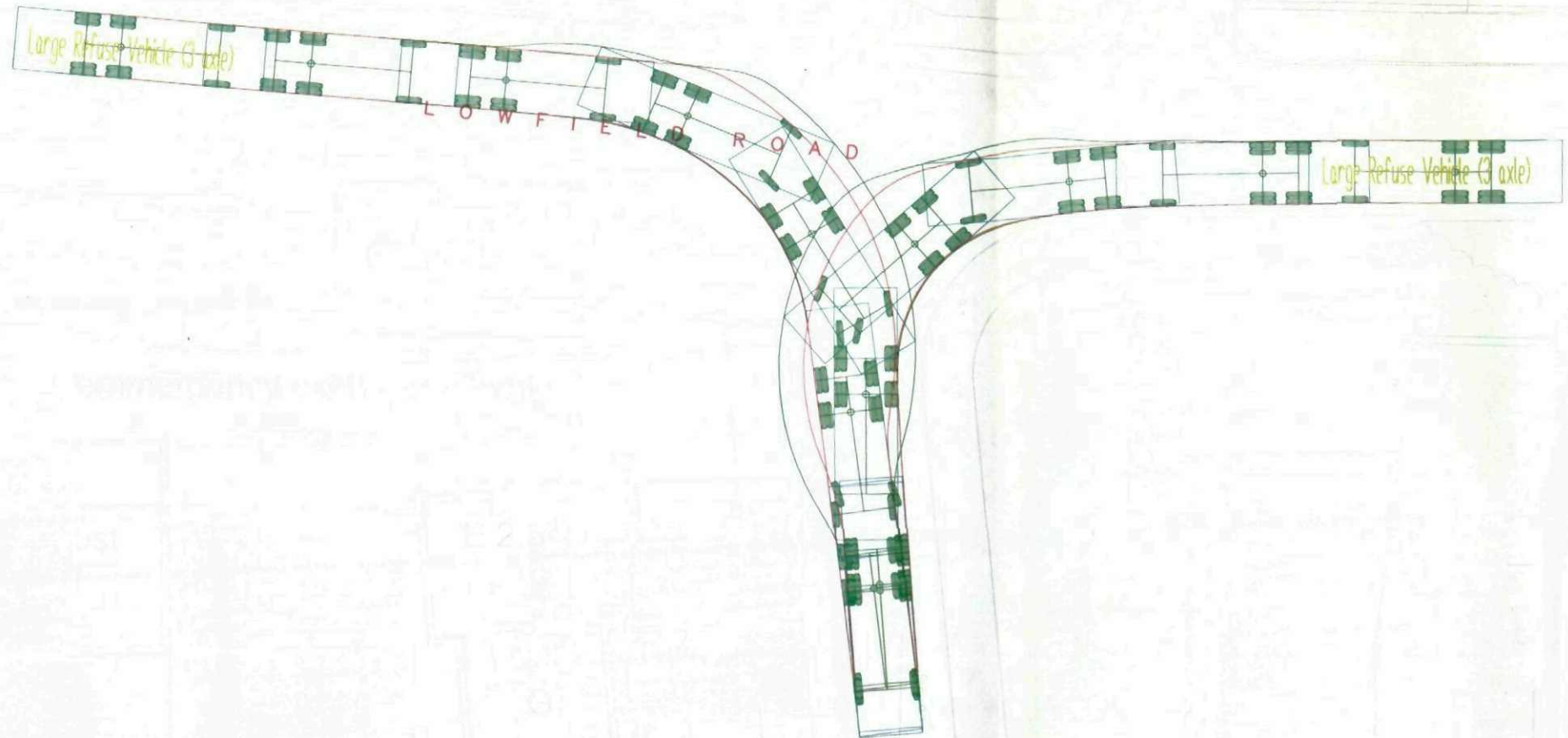
Issuing
 Site Access
 Visibility Splays

Drawn by	Scott Goodall	Date	08/09/2008
Checked by	Yvonne Valsarokis	Date	09/09/2008
Authorised by	Matthew Rudman	Date	15/09/2008

Issuing No.	Revision
PSDALB500/003	0

Issuing Scale	1:1000BA3
CAD Filename	Plot Scale 1:1

Appendix D – Swept Path Analysis



Large Refuse Vehicle (3 axle)	
Overall Length	2.650m
Overall Width	2.250m
Overall Body Height	2.650m
Min Body Ground Clearance	0.250m
Track Width	2.250m
Lock to Lock Turn	1.000 arc
Kerb to Kerb Turning Radius	9.500m

Client
HORIZON RESIDENTIAL DEVELOPMENTS LTD

Halcrow Group Ltd
 Avonlea House 25/27 West Humberly Lane LS16 5SL
 Tel: 0113 255 5555 Fax: 0113 274 7858
 www.halcrow.com



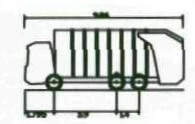
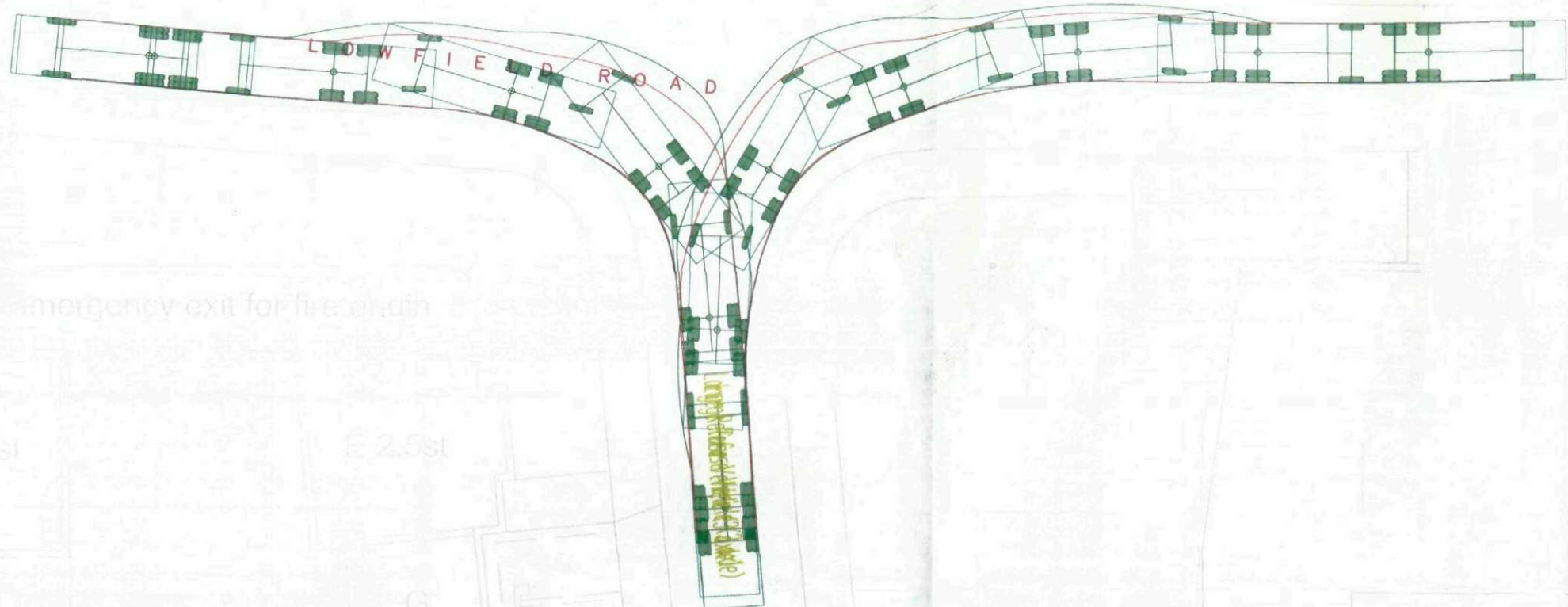
Project
**Lowfield Road
 Bolton upon Dearne**

Drawing
**Swept Path Analysis
 Large Refuse Vehicle Entry**

Drawn by	Scott Goodall	Date	08/08/2008
Checked by	Yannis Valsamakis	Date	08/08/2008
Authorised by	Matthew Rudman	Date	15/08/2008

Drawing No.	Revision
PSDALB500/001	0

Drawing Scale: 1:250@A3
 CAB Filename: Plot Scale: 1:1



Large Refuse Vehicle (3 axle)	
Overall Length	9.65m
Overall Width	2.25m
Overall Max Height	3.81m
Min Road Clearance	2.25m
Track Width	2.25m
Lock to Lock Turn	4.0 deg
Kerb to Kerb Turning Radius	9.50m

Client
HORIZON RESIDENTIAL DEVELOPMENTS LTD

Halcrow Group Ltd
 Avon House, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



Project
 Lowfield Road
 Bolton upon Dearne

Issuing
 Swept Path Analysis
 Large Refuse Vehicle Exit

Drawn by	Scott Goodall	Date	08/08/2008
Checked by	Yannis Valsamakis	Date	09/08/2008
Authorised by	Matthew Rudman	Date	15/08/2008

Issuing No.	PSDALB500/002	Revision	0
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Issuing Scale: 1:250@A3
 Plot Scale: 1:1

Appendix E – TRICS Output

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BD BEDFORDSHIRE	2 days
	ES EAST SUSSEX	1 days
	HF HERTFORDSHIRE	1 days
	SC SURREY	1 days
	WS WEST SUSSEX	1 days
03	SOUTH WEST	
	CW CORNWALL	1 days
	GS GLOUCESTERSHIRE	1 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	2 days
	SF SUFFOLK	3 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LN LINCOLNSHIRE	2 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	2 days
	WO WORCESTERSHIRE	3 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	GM GREATER MANCHESTER	2 days
	LC LANCASHIRE	2 days
	MS MERSEYSIDE	1 days
09	NORTH	
	CB CUMBRIA	1 days
	TV TEES VALLEY	1 days
	TW TYNE & WEAR	1 days
10	WALES	
	CF CARDIFF	3 days
	WR WREXHAM	1 days
11	SCOTLAND	
	AS ABERDEENSHIRE	1 days
	FI FIFE	2 days
	HI HIGHLAND	1 days
	SR STIRLING	1 days

Main parameter selection:

Parameter: Number of households
 Range: 20 to 491 (units:)
 Date Range: 01/01/00 to 08/10/07

Selected survey days:

Monday	11 days
Tuesday	10 days
Wednesday	3 days
Thursday	10 days
Friday	8 days

Selected survey types:

Manual count	40 days
Directional ATC Count	2 days

Selected Locations:

Edge of Town Centre	3
Suburban Area (PPS6 Out of Centre)	15
Edge of Town	21
Neighbourhood Centre (PPS6 Local Centre)	3

Selected Location Sub Categories:

Residential Zone	33
Village	1
Out of Town	1
No Sub Category	7

Optional parameter selection:

Use Class:

C3	42 days
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Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	6 days
10,001 to 15,000	10 days
15,001 to 20,000	11 days
20,001 to 25,000	5 days
25,001 to 50,000	8 days

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	6 days
50,001 to 75,000	3 days
75,001 to 100,000	6 days
100,001 to 125,000	5 days
125,001 to 250,000	14 days
250,001 to 500,000	5 days
500,001 or More	2 days

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	19 days
1.1 to 1.5	22 days

Travel Plan:

Not Known	10 days
No	32 days

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
 VEHICLES

Calculation factor: 1 HHOLDS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. HHOLDS	Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	No. Days	Ave. HHOLDS	Trip Rate
00:00 - 01:00	2	97	0.015	2	97	0.010	2	97	0.025
01:00 - 02:00	2	97	0.021	2	97	0.010	2	97	0.031
02:00 - 03:00	2	97	0.000	2	97	0.000	2	97	0.000
03:00 - 04:00	2	97	0.026	2	97	0.031	2	97	0.057
04:00 - 05:00	2	97	0.005	2	97	0.005	2	97	0.010
05:00 - 06:00	2	97	0.005	2	97	0.021	2	97	0.026
06:00 - 07:00	2	97	0.010	2	97	0.113	2	97	0.123
07:00 - 08:00	42	139	0.071	42	139	0.272	42	139	0.343
08:00 - 09:00	42	139	0.152	42	139	0.426	42	139	0.578
09:00 - 10:00	42	139	0.175	42	139	0.220	42	139	0.395
10:00 - 11:00	42	139	0.150	42	139	0.182	42	139	0.332
11:00 - 12:00	42	139	0.180	42	139	0.172	42	139	0.352
12:00 - 13:00	42	139	0.202	42	139	0.181	42	139	0.383
13:00 - 14:00	42	139	0.189	42	139	0.186	42	139	0.375
14:00 - 15:00	42	139	0.191	42	139	0.191	42	139	0.382
15:00 - 16:00	42	139	0.276	42	139	0.206	42	139	0.482
16:00 - 17:00	42	139	0.326	42	139	0.203	42	139	0.529
17:00 - 18:00	42	139	0.402	42	139	0.227	42	139	0.629
18:00 - 19:00	42	139	0.302	42	139	0.244	42	139	0.546
19:00 - 20:00	2	97	0.222	2	97	0.206	2	97	0.428
20:00 - 21:00	2	97	0.170	2	97	0.175	2	97	0.345
21:00 - 22:00	2	97	0.119	2	97	0.072	2	97	0.191
22:00 - 23:00	2	97	0.129	2	97	0.062	2	97	0.191
23:00 - 24:00	2	97	0.072	2	97	0.052	2	97	0.124
Total Rates:			3.410			3.467			6.877

Parameter summary

Trip rate parameter range selected: 20 - 491 (units:)
 Survey date range: 01/01/00 - 08/10/07
 Number of weekdays (Monday-Friday): 42
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 7

OFF-LINE VERSION Hatcrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
VEHICLES

Ranking Type: ARRIVALS

Time Range: 08:00-09:00

15th Percentile = No. 36 (**)

85th Percentile = No. 7 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
1	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS	84	Mon	24/09/07	0.321	0.405	0.726	
2	BD-03-A-02	SEMI DETACHED, LUTON	BEDFORDSHIRE	82	Tue	06/07/04	0.317	0.537	0.854	
3	FI-03-A-02	SEMI DETACHED, GLENROTHE	FIFE	58	Mon	16/05/05	0.276	0.569	0.845	
4	SF-03-A-02	SEMI DET./TERRACED, IPSW	SUFFOLK	230	Thu	24/05/07	0.243	0.491	0.734	
5	TW-03-A-01	SEMI DETACHED, SUNDERLAN	TYNE & WEAR	81	Wed	18/09/02	0.235	0.506	0.741	
6	WO-03-A-03	DETACHED, KIDDERMINSTER	WORCESTERSHIRE	138	Fri	05/05/06	0.203	0.543	0.746	
7 **	CA-03-A-02	MIXED HOUSES, PETERBOROU	CAMBRIDGESHIRE	363	Thu	13/05/04	0.201	0.339	0.540	
8	DS-03-A-01	SEMI D./TERRACED, DRONFI	DERBYSHIRE	20	Thu	22/06/06	0.200	0.100	0.300	
9	GM-03-A-07	SEMI DETACHED, MANCHESTE	GREATER MANCHESTER	138	Fri	09/11/01	0.196	0.420	0.616	
10	LN-03-A-01	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	150	Tue	15/05/07	0.187	0.440	0.627	
11	LN-03-A-02	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	186	Mon	14/05/07	0.183	0.425	0.608	
12	FI-03-A-03	MIXED HOUSES, DUNFERMLIN	FIFE	155	Mon	30/04/07	0.174	0.548	0.722	
13	LG-03-A-22	BUNGALOWS, BLACKPOOL	LANCASHIRE	98	Tue	18/10/05	0.173	0.337	0.510	
14	NY-03-A-01	MIXED HOUSES,NORTHALLERT	NORTH YORKSHIRE	52	Tue	25/09/07	0.173	0.173	0.346	
15	CF-03-A-01	MIXED HOUSES, CARDIFF	CARDIFF	222	Thu	17/10/02	0.167	0.491	0.658	
16	SR-03-A-01	DETACHED, STIRLING	STIRLING	115	Mon	23/04/07	0.165	0.678	0.843	
17	ST-03-A-03	MIXED HOUSES, STAFFORD	STAFFORDSHIRE	224	Tue	04/07/00	0.165	0.638	0.803	
18	CA-03-A-01	SEMI D./TERRACED, CAMBRI	CAMBRIDGESHIRE	124	Tue	06/02/01	0.153	0.395	0.548	
19	WM-03-A-01	TERRACED, COVENTRY	WEST MIDLANDS	79	Fri	03/02/06	0.152	0.418	0.570	
20	ES-03-A-01	MIXED HOUSES/FLATS, LEWE	EAST SUSSEX	491	Thu	29/03/01	0.151	0.409	0.560	
21	SC-03-A-03	DETACHED, EAST MOLESEY	SURREY	54	Tue	12/11/02	0.148	0.389	0.537	
22	BD-03-A-01	SEMI DETACHED, LUTON	BEDFORDSHIRE	131	Thu	08/07/04	0.145	0.420	0.565	
23	TV-03-A-01	MIXED HOUSES/FLATS, HART	TEES VALLEY	225	Thu	14/04/05	0.138	0.458	0.596	
24	LC-03-A-29	DETACHED/SEMI D., BLACKB	LANCASHIRE	185	Thu	10/06/04	0.130	0.524	0.654	
25	HI-03-A-11	BUNGALOWS, INVERNESS	HIGHLAND	85	Mon	05/06/06	0.129	0.424	0.553	
26	GS-03-A-01	SEMI D./TERRACED, GLOUCE	GLOUCESTERSHIRE	73	Tue	25/05/04	0.123	0.260	0.383	
27	GM-03-A-08	SEMI DETACHED, STOCKPORT	GREATER MANCHESTER	247	Fri	12/10/01	0.113	0.377	0.490	
28	HF-03-A-01	MIXED HOUSES, WELWYN GC	HERTFORDSHIRE	53	Fri	06/09/02	0.113	0.302	0.415	
29	WS-03-A-03	SEMI D./TERRACED, NR CH'	WEST SUSSEX	90	Fri	24/11/00	0.111	0.500	0.611	
30	SF-03-A-03	MIXED HOUSES, BURY ST ED	SUFFOLK	101	Mon	15/05/06	0.109	0.554	0.663	
31	NT-03-A-03	SEMI DETACHED,KIRKBY-IN-	NOTTINGHAMSHIRE	166	Wed	28/06/06	0.108	0.313	0.421	
32	CF-03-A-02	MIXED HOUSES, CARDIFF	CARDIFF	196	Fri	05/10/07	0.107	0.413	0.520	
33	WO-03-A-02	SEMI DETACHED, REDDITCH	WORCESTERSHIRE	48	Tue	02/05/06	0.104	0.333	0.437	
34	SF-03-A-01	SEMI DETACHED, IPSWICH	SUFFOLK	77	Wed	23/05/07	0.104	0.416	0.520	
35	WO-03-A-06	DET./TERRACED, BROMSGROV	WORCESTERSHIRE	232	Thu	30/06/05	0.099	0.448	0.547	
36 **	CW-03-A-02	SEMI D./DETACHED, TRURO	CORNWALL	73	Tue	18/09/07	0.096	0.329	0.425	

OFF-LINE VERSION Halcrow Headingley Leeds

Licence No: 302904

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
37	MS-03-A-01	TERRACED, RUNCORN	MERSEYSIDE	372	T <u>hu</u>	06/10/05	0.091	0.269	0.360	
38	WR-03-A-01	SEMI DETACHED, WREXHAM	WREXHAM	82	M <u>on</u>	05/07/04	0.085	0.366	0.451	
39	AS-03-A-01	DETACHED/SEMI D., PORTLE	ABERDEENSHIRE	104	F <u>ri</u>	11/02/00	0.077	0.385	0.462	
40	CB-03-A-02	SEMI DETACHED, WORKINGTO	CUMBRIA	40	M <u>on</u>	20/06/05	0.075	0.425	0.500	
41	WL-03-A-01	SEMI D./TERRACED W. BASS	WILTSHIRE	99	M <u>on</u>	02/10/06	0.071	0.333	0.404	
42	CF-03-A-03	DETACHED, CARDIFF	CARDIFF	29	M <u>on</u>	08/10/07	0.069	0.552	0.621	

OFF-LINE VERSION Halcrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
VEHICLES

Ranking Type: DEPARTURES

Time Range: 08:00-09:00

15th Percentile = No. 36 (**)

85th Percentile = No. 7 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	SR-03-A-01	DETACHED, STIRLING	STIRLING	115	Mon	23/04/07	0.165	0.678	0.843	
2	ST-03-A-03	MIXED HOUSES, STAFFORD	STAFFORDSHIRE	224	Tue	04/07/00	0.165	0.638	0.803	
3	FI-03-A-02	SEMI DETACHED, GLENROTHE	FIFE	58	Mon	16/05/05	0.276	0.569	0.845	
4	SF-03-A-03	MIXED HOUSES, BURY ST ED	SUFFOLK	101	Mon	15/05/06	0.109	0.554	0.663	
5	CF-03-A-03	DETACHED, CARDIFF	CARDIFF	29	Mon	08/10/07	0.069	0.552	0.621	
6	FI-03-A-03	MIXED HOUSES, DUNFERMLIN	FIFE	155	Mon	30/04/07	0.174	0.548	0.722	
7 **	WO-03-A-03	DETACHED, KIDDERMINSTER	WORCESTERSHIRE	138	Fri	05/05/06	0.203	0.543	0.746	
8	BD-03-A-02	SEMI DETACHED, LUTON	BEDFORDSHIRE	82	Tue	06/07/04	0.317	0.537	0.854	
9	LC-03-A-29	DETACHED/SEMI D., BLACKB	LANCASHIRE	185	Thu	10/06/04	0.130	0.524	0.654	
10	TW-03-A-01	SEMI DETACHED, SUNDERLAN	TYNE & WEAR	81	Wed	18/09/02	0.235	0.506	0.741	
11	WS-03-A-03	SEMI D./TERRACED, NR CH'	WEST SUSSEX	90	Fri	24/11/00	0.111	0.500	0.611	
12	SF-03-A-02	SEMI DET./TERRACED, IPSW	SUFFOLK	230	Thu	24/05/07	0.243	0.491	0.734	
13	CF-03-A-01	MIXED HOUSES, CARDIFF	CARDIFF	222	Thu	17/10/02	0.167	0.491	0.658	
14	TV-03-A-01	MIXED HOUSES/FLATS, HART	TEES VALLEY	225	Thu	14/04/05	0.138	0.458	0.596	
15	WO-03-A-06	DET./TERRACED, BROMSGROV	WORCESTERSHIRE	232	Thu	30/06/05	0.099	0.448	0.547	
16	LN-03-A-01	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	150	Tue	15/05/07	0.187	0.440	0.627	
17	CB-03-A-02	SEMI DETACHED, WORKINGTO	CUMBRIA	40	Mon	20/06/05	0.075	0.425	0.500	
18	LN-03-A-02	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	186	Mon	14/05/07	0.183	0.425	0.608	
19	HI-03-A-11	BUNGALOWS, INVERNESS	HIGHLAND	85	Mon	05/06/06	0.129	0.424	0.553	
20	GM-03-A-07	SEMI DETACHED, MANCHESTE	GREATER MANCHESTER	138	Fri	09/11/01	0.196	0.420	0.616	
21	BD-03-A-01	SEMI DETACHED, LUTON	BEDFORDSHIRE	131	Thu	08/07/04	0.145	0.420	0.565	
22	WM-03-A-01	TERRACED, COVENTRY	WEST MIDLANDS	79	Fri	03/02/06	0.152	0.418	0.570	
23	SF-03-A-01	SEMI DETACHED, IPSWICH	SUFFOLK	77	Wed	23/05/07	0.104	0.416	0.520	
24	CF-03-A-02	MIXED HOUSES, CARDIFF	CARDIFF	196	Fri	05/10/07	0.107	0.413	0.520	
25	ES-03-A-01	MIXED HOUSES/FLATS, LEWE	EAST SUSSEX	491	Thu	29/03/01	0.151	0.409	0.560	
26	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS	84	Mon	24/09/07	0.321	0.405	0.726	
27	CA-03-A-01	SEMI D./TERRACED, CAMBRI	CAMBRIDGESHIRE	124	Tue	06/02/01	0.153	0.395	0.548	
28	SC-03-A-03	DETACHED, EAST MOLESEY	SURREY	54	Tue	12/11/02	0.148	0.389	0.537	
29	AS-03-A-01	DETACHED/SEMI D., PORTLE	ABERDEENSHIRE	104	Fri	11/02/00	0.077	0.385	0.462	
30	GM-03-A-08	SEMI DETACHED, STOCKPORT	GREATER MANCHESTER	247	Fri	12/10/01	0.113	0.377	0.490	
31	WR-03-A-01	SEMI DETACHED, WREXHAM	WREXHAM	82	Mon	05/07/04	0.085	0.366	0.451	
32	CA-03-A-02	MIXED HOUSES, PETERBOROU	CAMBRIDGESHIRE	363	Thu	13/05/04	0.201	0.339	0.540	
33	LC-03-A-22	BUNGALOWS, BLACKPOOL	LANCASHIRE	98	Tue	18/10/05	0.173	0.337	0.510	
34	WO-03-A-02	SEMI DETACHED, REDDITCH	WORCESTERSHIRE	48	Tue	02/05/06	0.104	0.333	0.437	
35	WL-03-A-01	SEMI D./TERRACED W. BASS	WILTSHIRE	99	Mon	02/10/06	0.071	0.333	0.404	
36 **	CW-03-A-02	SEMI D./DETACHED, TRURO	CORNWALL	73	Tue	18/09/07	0.096	0.329	0.425	

OFF-LINE VERSION Halcrow Headingley Leeds

Licence No: 302904

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
37	NT-03-A-03	SEMI DETACHED,KIRKBY-IN-	NOTTINGHAMSHIRE	166	Wed	28/06/06	0.108	0.313	0.421	
38	HF-03-A-01	MIXED HOUSES, WELWYN GC	HERTFORDSHIRE	53	Fri	06/09/02	0.113	0.302	0.415	
39	MS-03-A-01	TERRACED, RUNCORN	MERSEYSIDE	372	Thu	06/10/05	0.091	0.269	0.360	
40	GS-03-A-01	SEMI D./TERRACED, GLOUCE	GLOUCESTERSHIRE	73	Tue	25/05/04	0.123	0.260	0.383	
41	NY-03-A-01	MIXED HOUSES,NORTHALLERT	NORTH YORKSHIRE	52	Tue	25/09/07	0.173	0.173	0.346	
42	DS-03-A-01	SEMI D./TERRACED, DRONFI	DERBYSHIRE	20	Thu	22/06/06	0.200	0.100	0.300	

OFF-LINE VERSION Haicrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
VEHICLES

Ranking Type: ARRIVALS

Time Range: 17:00-18:00

15th Percentile = No. 36 (**)

85th Percentile = No. 7 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
1	AS-03-A-01	DETACHED/SEMI D., PORTLE	ABERDEENSHIRE	104	Fri	11/02/00	0.596	0.269	0.865	
2	SR-03-A-01	DETACHED, STIRLING	STIRLING	115	Mon	23/04/07	0.583	0.304	0.887	
3	WO-03-A-03	DETACHED, KIDDERMINSTER	WORCESTERSHIRE	138	Fri	05/05/06	0.558	0.319	0.877	
4	LC-03-A-29	DETACHED/SEMI D., BLACKB	LANCASHIRE	185	Tue	10/06/04	0.551	0.346	0.897	
5	ST-03-A-03	MIXED HOUSES, STAFFORD	STAFFORDSHIRE	224	Tue	04/07/00	0.531	0.335	0.866	
6	CB-03-A-02	SEMI DETACHED, WORKINGTO	CUMBRIA	40	Mon	20/06/05	0.525	0.400	0.925	
7 **	SF-03-A-03	MIXED HOUSES, BURY ST ED	SUFFOLK	101	Mon	15/05/06	0.525	0.228	0.753	
8	TW-03-A-01	SEMI DETACHED, SUNDERLAN	TYNE & WEAR	81	Wed	18/09/02	0.519	0.259	0.778	
9	CF-03-A-01	MIXED HOUSES, CARDIFF	CARDIFF	222	Tue	17/10/02	0.509	0.185	0.694	
10	LN-03-A-02	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	186	Mon	14/05/07	0.495	0.355	0.850	
11	FI-03-A-02	SEMI DETACHED, GLENROTHE	FIFE	58	Mon	16/05/05	0.483	0.224	0.707	
12	SF-03-A-02	SEMI DET./TERRACED, IPSW	SUFFOLK	230	Tue	24/05/07	0.478	0.248	0.726	
13	WO-03-A-02	SEMI DETACHED, REDDITCH	WORCESTERSHIRE	48	Tue	02/05/06	0.458	0.229	0.687	
14	GM-03-A-08	SEMI DETACHED, STOCKPORT	GREATER MANCHESTER	247	Fri	12/10/01	0.429	0.259	0.688	
15	CW-03-A-02	SEMI D./DETACHED, TRURO	CORNWALL	73	Tue	18/09/07	0.425	0.219	0.644	
16	WS-03-A-03	SEMI D./TERRACED, NR CH'	WEST SUSSEX	90	Fri	24/11/00	0.422	0.122	0.544	
17	FI-03-A-03	MIXED HOUSES, DUNFERMLIN	FIFE	155	Mon	30/04/07	0.419	0.245	0.664	
18	CF-03-A-03	DETACHED, CARDIFF	CARDIFF	29	Mon	08/10/07	0.414	0.241	0.655	
19	WO-03-A-06	DET./TERRACED, BROMSGROV	WORCESTERSHIRE	232	Tue	30/06/05	0.414	0.185	0.599	
20	LN-03-A-01	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	150	Tue	15/05/07	0.413	0.213	0.626	
21	GS-03-A-01	SEMI D./TERRACED, GLOUCE	GLOUCESTERSHIRE	73	Tue	25/05/04	0.411	0.137	0.548	
22	TV-03-A-01	MIXED HOUSES/FLATS, HART	TEES VALLEY	225	Tue	14/04/05	0.409	0.209	0.618	
23	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS	84	Mon	24/09/07	0.405	0.369	0.774	
24	CF-03-A-02	MIXED HOUSES, CARDIFF	CARDIFF	196	Fri	05/10/07	0.398	0.214	0.612	
25	NT-03-A-03	SEMI DETACHED, KIRKBY-IN-	NOTTINGHAMSHIRE	166	Wed	28/06/06	0.398	0.307	0.705	
26	HI-03-A-11	BUNGALOWS, INVERNESS	HIGHLAND	85	Mon	05/06/06	0.376	0.141	0.517	
27	WL-03-A-01	SEMI D./TERRACED W. BASS	WILTSHIRE	99	Mon	02/10/06	0.374	0.141	0.515	
28	BD-03-A-01	SEMI DETACHED, LUTON	BEDFORDSHIRE	131	Tue	08/07/04	0.351	0.183	0.534	
29	LC-03-A-22	BUNGALOWS, BLACKPOOL	LANCASHIRE	98	Tue	18/10/05	0.347	0.173	0.520	
30	WM-03-A-01	TERRACED, COVENTRY	WEST MIDLANDS	79	Fri	03/02/06	0.342	0.203	0.545	
31	GM-03-A-07	SEMI DETACHED, MANCHESTE	GREATER MANCHESTER	138	Fri	09/11/01	0.341	0.261	0.602	
32	ES-03-A-01	MIXED HOUSES/FLATS, LEWE	EAST SUSSEX	491	Tue	29/03/01	0.338	0.169	0.507	
33	MS-03-A-01	TERRACED, RUNCORN	MERSEYSIDE	372	Tue	06/10/05	0.325	0.194	0.519	
34	CA-03-A-01	SEMI D./TERRACED, CAMBRI	CAMBRIDGESHIRE	124	Tue	06/02/01	0.315	0.218	0.533	
35	WR-03-A-01	SEMI DETACHED, WREXHAM	WREXHAM	82	Mon	05/07/04	0.305	0.098	0.403	
36 **	SC-03-A-03	DETACHED, EAST MOLESEY	SURREY	54	Tue	12/11/02	0.296	0.130	0.426	

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
37	HF-03-A-01	MIXED HOUSES, WELWYN GC	HERTFORDSHIRE	53	Fri	06/09/02	0.264	0.151	0.415	
38	SF-03-A-01	SEMI DETACHED, IPSWICH	SUFFOLK	77	Wed	23/05/07	0.247	0.169	0.416	
39	BD-03-A-02	SEMI DETACHED, LUTON	BEDFORDSHIRE	82	Tue	06/07/04	0.232	0.268	0.500	
40	CA-03-A-02	MIXED HOUSES, PETERBOROU	CAMBRIDGESHIRE	363	Thu	13/05/04	0.220	0.190	0.410	
41	NY-03-A-01	MIXED HOUSES,NORTHALLERT	NORTH YORKSHIRE	52	Tue	25/09/07	0.154	0.231	0.385	
42	DS-03-A-01	SEMI D./TERRACED, DRONFI	DERBYSHIRE	20	Thu	22/06/06	0.100	0.150	0.250	

OFF-LINE VERSION Halrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
VEHICLES

Ranking Type: DEPARTURES

Time Range: 17:00-18:00

15th Percentile = No. 36 (**)

85th Percentile = No. 7 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	CB-03-A-02	SEMI DETACHED, WORKINGTO	CUMBRIA	40	Mon	20/06/05	0.525	0.400	0.925	
2	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS	84	Mon	24/09/07	0.405	0.369	0.774	
3	LN-03-A-02	MIXED HOUSES, LINCOLN	LINCOLNSHIRE	186	Mon	14/05/07	0.495	0.355	0.850	
4	LC-03-A-29	DETACHED/SEMI D., BLACKB	LANCASHIRE	185	Tue	10/06/04	0.551	0.346	0.897	
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8	SR-03-A-01	DETACHED, STIRLING	STIRLING	115	Mon	23/04/07	0.583	0.304	0.887	
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11	GM-03-A-07	SEMI DETACHED, MANCHESTE	GREATER MANCHESTER	138	Fri	09/11/01	0.341	0.261	0.602	
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36 **	DS-03-A-01	SEMI D./TERRACED, DRONFI	DERBYSHIRE	20	Tue	22/06/06	0.100	0.150	0.250	

OFF-LINE VERSION Halcrow Headingley Leeds

Licence No: 302904

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
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42	WR-03-A-01	SEMI DETACHED, WREXHAM	WREXHAM	82	Mon	05/07/04	0.305	0.098	0.403	

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : C - FLATS PRIVATELY OWNED
 VEHICLES

Selected regions and areas:

06	WEST MIDLANDS	
	WM WEST MIDLANDS	3 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
	WY WEST YORKSHIRE	2 days
08	NORTH WEST	
	MS MERSEYSIDE	1 days

Main parameter selection:

Parameter: Number of households
 Range: 12 to 215 (units:)

Date Range: 01/01/00 to 21/09/07

Selected survey days:

Monday	1 days
Tuesday	1 days
Wednesday	1 days
Thursday	2 days
Friday	2 days

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town Centre	4
Suburban Area (PPS6 Out of Centre)	1
Neighbourhood Centre (PPS6 Local Centre)	2

Selected Location Sub Categories:

Development Zone	2
Residential Zone	2
Built-Up Zone	1
No Sub Category	2

Optional parameter selection:

Use Class:

C3	7 days
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Population within 1 mile:

5,001 to 10,000	1 days
10,001 to 15,000	3 days
15,001 to 20,000	2 days
20,001 to 25,000	1 days

Optional parameter selection (Cont.):

Population within 5 miles:

5,001 to 25,000	1 days
125,001 to 250,000	3 days
250,001 to 500,000	2 days
500,001 or More	1 days

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	3 days

Travel Plan:

Not Known	2 days
No	5 days

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
VEHICLES

Calculation factor: 1 HHOLDS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. HHOLDS	Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	No. Days	Ave. HHOLDS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	7	56	0.061	7	56	0.120	7	56	0.181
08:00 - 09:00	7	56	0.252	7	56	0.372	7	56	0.624
09:00 - 10:00	7	56	0.109	7	56	0.104	7	56	0.213
10:00 - 11:00	7	56	0.115	7	56	0.104	7	56	0.219
11:00 - 12:00	7	56	0.066	7	56	0.087	7	56	0.153
12:00 - 13:00	7	56	0.092	7	56	0.099	7	56	0.191
13:00 - 14:00	7	56	0.081	7	56	0.120	7	56	0.201
14:00 - 15:00	7	56	0.115	7	56	0.084	7	56	0.199
15:00 - 16:00	7	56	0.160	7	56	0.193	7	56	0.353
16:00 - 17:00	7	56	0.148	7	56	0.130	7	56	0.278
17:00 - 18:00	7	56	0.183	7	56	0.122	7	56	0.305
18:00 - 19:00	7	56	0.163	7	56	0.099	7	56	0.262
19:00 - 20:00	2	25	0.160	2	25	0.140	2	25	0.300
20:00 - 21:00	2	25	0.100	2	25	0.100	2	25	0.200
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			1.805			1.874			3.679

Parameter summary

Trip rate parameter range selected: 12 - 215 (units:)
 Survey date date range: 01/01/00 - 21/09/07
 Number of weekdays (Monday-Friday): 7
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

OFF-LINE VERSION Halerow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
VEHICLES

Ranking Type: ARRIVALS Time Range: 08:00-09:00

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 6 (**)

85th Percentile = No. 2 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
1	WM-03-C-03	FLATS, SOLIHULL	WEST MIDLANDS	60	Fri	21/09/07	1.283	1.317	2.600	
2 **	WM-03-C-02	FLATS, BIRMINGHAM	WEST MIDLANDS	24	Tue	14/11/00	0.125	0.375	0.500	
3	MS-03-C-01	BLOCKS OF FLATS, LIVERPO	MERSEYSIDE	114	Thu	16/10/03	0.096	0.263	0.359	
4	WY-03-C-01	BLOCK OF FLATS, LEEDS	WEST YORKSHIRE	127	Thu	13/11/03	0.047	0.118	0.165	
5	WM-03-C-01	FLATS, BIRMINGHAM	WEST MIDLANDS	26	Fri	16/06/00	0.038	0.192	0.230	
6 **	NY-03-C-01	BLOCKS OF FLATS, NTHALLE	NORTH YORKSHIRE	30	Mon	22/09/03	0.033	0.133	0.166	
7	WY-03-C-02	BLOCK OF FLATS, HUDDERSF	WEST YORKSHIRE	12	Wed	13/09/06	0.000	0.333	0.333	

OFF-LINE VERSION Haicrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED VEHICLES

Ranking Type: DEPARTURES Time Range: 08:00-09:00

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under 20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 6 (**)

85th Percentile = No. 2 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	WM-03-C-03	FLATS, SOLIHULL	WEST MIDLANDS	60	Fri	21/09/07	1.283	1.317	2.600	
2 **	WM-03-C-02	FLATS, BIRMINGHAM	WEST MIDLANDS	24	Tue	14/11/00	0.125	0.375	0.500	
3	WY-03-C-02	BLOCK OF FLATS, HUDDERSF	WEST YORKSHIRE	12	Wed	13/09/06	0.000	0.333	0.333	
4	MS-03-C-01	BLOCKS OF FLATS, LIVERPO	MERSEYSIDE	114	Thu	16/10/03	0.096	0.263	0.359	
5	WM-03-C-01	FLATS, BIRMINGHAM	WEST MIDLANDS	26	Fri	16/06/00	0.038	0.192	0.230	
6 **	NY-03-C-01	BLOCKS OF FLATS, NTHALLE	NORTH YORKSHIRE	30	Mon	22/09/03	0.033	0.133	0.166	
7	WY-03-C-01	BLOCK OF FLATS, LEEDS	WEST YORKSHIRE	127	Thu	13/11/03	0.047	0.118	0.165	

OFF-LINE VERSION Halcrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
VEHICLES

Ranking Type: ARRIVALS Time Range: 17:00-18:00

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 6 (**)

85th Percentile = No. 2 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
1	WM-03-C-02	FLATS, BIRMINGHAM	WEST MIDLANDS	24	Tue	14/11/00	0.375	0.083	0.458	
2 **	WY-03-C-02	BLOCK OF FLATS, HUDDERSF	WEST YORKSHIRE	12	Wed	13/09/06	0.333	0.250	0.583	
3	WM-03-C-03	FLATS, SOLIHULL	WEST MIDLANDS	60	Fri	21/09/07	0.317	0.333	0.650	
4	MS-03-C-01	BLOCKS OF FLATS, LIVERPO	MERSEYSIDE	114	Thu	16/10/03	0.202	0.088	0.290	
5	WM-03-C-01	FLATS, BIRMINGHAM	WEST MIDLANDS	26	Fri	16/06/00	0.154	0.077	0.231	
6 **	NY-03-C-01	BLOCKS OF FLATS, NTHALLE	NORTH YORKSHIRE	30	Mon	22/09/03	0.133	0.100	0.233	
7	WY-03-C-01	BLOCK OF FLATS, LEEDS	WEST YORKSHIRE	127	Thu	13/11/03	0.071	0.063	0.134	

OFF-LINE VERSION Haircrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
VEHICLES

Ranking Type: DEPARTURES Time Range: 17:00-18:00

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 6 (**)

85th Percentile = No. 2 (**)

Rank	Site-Ref	Description	Area	HHOLDS	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	WM-03-C-03	FLATS, SOLIHULL	WEST MIDLANDS	60	Fri	21/09/07	0.317	0.333	0.650	
2 **	WY-03-C-02	BLOCK OF FLATS, HUDDERSF	WEST YORKSHIRE	12	Wed	13/09/06	0.333	0.250	0.583	
3	NY-03-C-01	BLOCKS OF FLATS, NTHALLE	NORTH YORKSHIRE	30	Mon	22/09/03	0.133	0.100	0.233	
4	MS-03-C-01	BLOCKS OF FLATS, LIVERPO	MERSEYSIDE	114	Thu	16/10/03	0.202	0.088	0.290	
5	WM-03-C-02	FLATS, BIRMINGHAM	WEST MIDLANDS	24	Tue	14/11/00	0.375	0.083	0.458	
6 **	WM-03-C-01	FLATS, BIRMINGHAM	WEST MIDLANDS	26	Fri	16/06/00	0.154	0.077	0.231	
7	WY-03-C-01	BLOCK OF FLATS, LEEDS	WEST YORKSHIRE	127	Thu	13/11/03	0.071	0.063	0.134	

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : C - INDUSTRIAL UNIT
 VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	2 days
	DC DORSET	4 days
	GS GLOUCESTERSHIRE	1 days
04	EAST ANGLIA	
	NF NORFOLK	2 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 days
10	WALES	
	CF CARDIFF	1 days
	MT MERTHYR TYDFIL	1 days
11	SCOTLAND	
	ER EAST RENFREWSHIRE	2 days
	FI FIFE	1 days
	HI HIGHLAND	1 days

Main parameter selection:

Parameter: Gross floor area
 Range: 1068 to 43325 (units: sqm)
 Date Range: 01/01/00 to 09/10/07

Selected survey days:

Monday	3 days
Tuesday	7 days
Wednesday	4 days
Thursday	5 days
Friday	2 days

Selected survey types:

Manual count	21 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town Centre	4
Suburban Area (PPS6 Out of Centre)	3
Edge of Town	11
Free Standing (PPS6 Out of Town)	3

Selected Location Sub Categories:

Industrial Zone	11
Built-Up Zone	5
Out of Town	2
No Sub Category	3

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
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	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	1	22926	0.017	1	22926	0.087	1	22926	0.104
06:30 - 07:00	1	22926	0.035	1	22926	0.022	1	22926	0.057
07:00 - 07:30	21	16022	0.107	21	16022	0.039	21	16022	0.146
07:30 - 08:00	21	16022	0.181	21	16022	0.035	21	16022	0.216
08:00 - 08:30	21	16022	0.150	21	16022	0.031	21	16022	0.181
08:30 - 09:00	21	16022	0.116	21	16022	0.037	21	16022	0.153
09:00 - 09:30	21	16022	0.077	21	16022	0.036	21	16022	0.113
09:30 - 10:00	21	16022	0.054	21	16022	0.040	21	16022	0.094
10:00 - 10:30	21	16022	0.044	21	16022	0.045	21	16022	0.089
10:30 - 11:00	21	16022	0.043	21	16022	0.040	21	16022	0.083
11:00 - 11:30	21	16022	0.043	21	16022	0.040	21	16022	0.083
11:30 - 12:00	21	16022	0.047	21	16022	0.045	21	16022	0.092
12:00 - 12:30	21	16022	0.043	21	16022	0.065	21	16022	0.108
12:30 - 13:00	21	16022	0.058	21	16022	0.059	21	16022	0.117
13:00 - 13:30	21	16022	0.080	21	16022	0.055	21	16022	0.135
13:30 - 14:00	21	16022	0.102	21	16022	0.055	21	16022	0.157
14:00 - 14:30	21	16022	0.053	21	16022	0.136	21	16022	0.189
14:30 - 15:00	21	16022	0.058	21	16022	0.056	21	16022	0.114
15:00 - 15:30	21	16022	0.048	21	16022	0.070	21	16022	0.118
15:30 - 16:00	21	16022	0.040	21	16022	0.067	21	16022	0.107
16:00 - 16:30	21	16022	0.033	21	16022	0.105	21	16022	0.138
16:30 - 17:00	21	16022	0.033	21	16022	0.184	21	16022	0.217
17:00 - 17:30	21	16022	0.025	21	16022	0.211	21	16022	0.236
17:30 - 18:00	21	16022	0.031	21	16022	0.100	21	16022	0.131
18:00 - 18:30	20	16578	0.016	20	16578	0.057	20	16578	0.073
18:30 - 19:00	20	16578	0.017	20	16578	0.029	20	16578	0.046
19:00 - 19:30	2	17449	0.003	2	17449	0.034	2	17449	0.037
19:30 - 20:00	2	17449	0.006	2	17449	0.011	2	17449	0.017
20:00 - 20:30	2	17449	0.003	2	17449	0.009	2	17449	0.012
20:30 - 21:00	2	17449	0.003	2	17449	0.006	2	17449	0.009
21:00 - 21:30	2	17449	0.003	2	17449	0.003	2	17449	0.006
21:30 - 22:00	2	17449	0.006	2	17449	0.003	2	17449	0.009
22:00 - 22:30	1	11972	0.000	1	11972	0.000	1	11972	0.000
22:30 - 23:00	1	11972	0.184	1	11972	0.008	1	11972	0.192
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			1.759			1.820			3.579

Parameter summary

Trip rate parameter range selected:	1068 - 43325 (units: sqm)
Survey date date range:	01/01/00 - 09/10/07
Number of weekdays (Monday-Friday):	21
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	NO
Surveys manually removed from selection:	0

OFF-LINE VERSION Halerow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
VEHICLES

Ranking Type: DEPARTURES

Time Range: 08:00-09:00

15th Percentile = No. 18 (**)

85th Percentile = No. 4 (**)

Rank	Site-Ref	Description	Area	GFA	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	DC-02-C-02	NEWSPAPER HQ, WEYMOUTH	DORSET	3035	Tue	04/07/00	1.483	0.395	1.878	
2	CF-02-C-01	PLASTICS COMPANY, CARDIF	CARDIFF	1068	Tue	24/10/06	0.562	0.281	0.843	
3	DC-02-C-05	ELECTRONICS CO., WEYMOUT	DORSET	4600	Thu	11/10/01	1.174	0.239	1.413	
4 **	GS-02-C-01	HEALTH PRODUCTS, GLOUCEST	GLOUCESTERSHIRE	6604	Wed	26/05/04	0.742	0.197	0.939	
5	DC-02-C-03	INDUSTRIAL UNIT, NR WIMB	DORSET	1626	Tue	15/05/01	0.923	0.185	1.108	
6	HI-02-C-01	DAIRY, NAIRN	HIGHLAND	3000	Wed	24/05/06	0.700	0.167	0.867	
7	TV-02-C-01	ELECTRONICS CO., NR BILLI	TEES VALLEY	21841	Tue	02/10/01	0.563	0.151	0.714	
8	DC-02-C-04	BREWERY, DORCHESTER	DORSET	19857	Mon	09/07/01	0.332	0.131	0.463	
9	CH-02-C-01	BAKERY, NORTHWICH	CHESHIRE	15000	Thu	21/06/07	0.400	0.113	0.513	
10	CW-02-C-02	LIGHTING COMPANY, BODMIN	CORNWALL	17675	Wed	06/06/07	0.272	0.085	0.357	
11	WY-02-C-01	ANIMAL FEEDS, NEAR SHERB	WEST YORKSHIRE	9835	Tue	19/04/05	0.275	0.061	0.336	
12	DS-02-C-01	BAKERY, NEAR SHEFFIELD	DERBYSHIRE	23500	Thu	22/06/06	0.149	0.055	0.204	
13	NF-02-C-01	INDUSTRIAL UNIT, NORWICH	NORFOLK	32000	Thu	16/11/00	0.259	0.053	0.312	
14	NF-02-C-02	GROCERY FACTORY, KINGS L	NORFOLK	43325	Mon	19/09/05	0.132	0.046	0.178	
15	ER-02-C-02	DYEWORKS, NEWTON MEARNES	EAST RENFREWSHIRE	11972	Wed	08/05/02	0.484	0.042	0.526	
16	CW-02-C-01	FOOD DISTRIBUTION, CAMBO	CORNWALL	10200	Fri	08/06/07	0.167	0.039	0.206	
17	ER-02-C-01	PET FOODS, BARRHEAD	EAST RENFREWSHIRE	22926	Thu	11/10/01	0.148	0.035	0.183	
18 **	MT-02-C-01	CONFECTIONERY, DOWLAI	MERTHYR TYDFIL	15450	Tue	09/10/07	0.110	0.026	0.136	
19	FI-02-C-01	REFRIGERATION, DUNFERMLI	FIFE	4900	Fri	20/04/07	0.122	0.020	0.142	
20	LC-02-C-01	BREWERY, BLACKBURN	LANCASHIRE	34581	Mon	21/06/04	0.185	0.020	0.205	
21	GM-02-C-02	BREWERY, MANCHESTER	GREATER MANCHESTER	33470	Tue	08/06/04	0.030	0.018	0.048	

OFF-LINE VERSION Haicrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
VEHICLES

Ranking Type: DEPARTURES

Time Range: 08:00-09:00

15th Percentile = No. 18 (**)

85th Percentile = No. 4 (**)

Rank	Site-Ref	Description	Area	GFA	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	DC-02-C-02	NEWSPAPER HQ, WEYMOUTH	DORSET	3035	Tue	04/07/00	1.483	0.395	1.878	
2	CF-02-C-01	PLASTICS COMPANY, CARDIF	CARDIFF	1068	Tue	24/10/06	0.562	0.281	0.843	
3	DC-02-C-05	ELECTRONICS CO., WEYMOUT	DORSET	4600	Thu	11/10/01	1.174	0.239	1.413	
4 **	GS-02-C-01	HEALTH PRODUCTS,GLOUCEST	GLOUCESTERSHIRE	6604	Wed	26/05/04	0.742	0.197	0.939	
5	DC-02-C-03	INDUSTRIAL UNIT, NR WIMB	DORSET	1626	Tue	15/05/01	0.923	0.185	1.108	
6	HI-02-C-01	DAIRY, NAIRN	HIGHLAND	3000	Wed	24/05/06	0.700	0.167	0.867	
7	TV-02-C-01	ELECTRONICS CO.,NR BILLI	TEES VALLEY	21841	Tue	02/10/01	0.563	0.151	0.714	
8	DC-02-C-04	BREWERY, DORCHESTER	DORSET	19857	Mon	09/07/01	0.332	0.131	0.463	
9	CH-02-C-01	BAKERY, NORTHWICH	CHESHIRE	15000	Thu	21/06/07	0.400	0.113	0.513	
10	CW-02-C-02	LIGHTING COMPANY, BODMIN	CORNWALL	17675	Wed	06/06/07	0.272	0.085	0.357	
11	WY-02-C-01	ANIMAL FEEDS, NEAR SHERB	WEST YORKSHIRE	9835	Tue	19/04/05	0.275	0.061	0.336	
12	DS-02-C-01	BAKERY, NEAR SHEFFIELD	DERBYSHIRE	23500	Thu	22/06/06	0.149	0.055	0.204	
13	NF-02-C-01	INDUSTRIAL UNIT, NORWICH	NORFOLK	32000	Thu	16/11/00	0.259	0.053	0.312	
14	NF-02-C-02	GROCERY FACTORY, KINGS L	NORFOLK	43325	Mon	19/09/05	0.132	0.046	0.178	
15	ER-02-C-02	DYEWORKS, NEWTON MEARNs	EAST RENFREWSHIRE	11972	Wed	08/05/02	0.484	0.042	0.526	
16	CW-02-C-01	FOOD DISTRIBUTION, CAMBO	CORNWALL	10200	Fri	08/06/07	0.167	0.039	0.206	
17	ER-02-C-01	PET FOODS, BARRHEAD	EAST RENFREWSHIRE	22926	Thu	11/10/01	0.148	0.035	0.183	
18 **	MT-02-C-01	CONFECTIONERY, DOWLAIS	MERTHYR TYDFIL	15450	Tue	09/10/07	0.110	0.026	0.136	
19	FI-02-C-01	REFRIGERATION, DUNFERMLI	FIFE	4900	Fri	20/04/07	0.122	0.020	0.142	
20	LC-02-C-01	BREWERY, BLACKBURN	LANCASHIRE	34581	Mon	21/06/04	0.185	0.020	0.205	
21	GM-02-C-02	BREWERY, MANCHESTER	GREATER MANCHESTER	33470	Tue	08/06/04	0.030	0.018	0.048	

OFF-LINE VERSION Haicrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
VEHICLES

Ranking Type: ARRIVALS

Time Range: 17:00-18:00

15th Percentile = No. 18 (**)

85th Percentile = No. 4 (**)

Rank	Site-Ref	Description	Area	GFA	Day	Date	Trip Rate (Sorted by Arrivals)			Travel Plan
							Arrivals	Departures	Totals	
1	CF-02-C-01	PLASTICS COMPANY, CARDIF	CARDIFF	1068	Tue	24/10/06	0.375	0.655	1.030	
2	DC-02-C-02	NEWSPAPER HQ, WEYMOUTH	DORSET	3035	Tue	04/07/00	0.231	1.186	1.417	
3	TV-02-C-01	ELECTRONICS CO., NR BILLI	TEES VALLEY	21841	Tue	02/10/01	0.192	1.772	1.964	
4 **	ER-02-C-01	PET FOODS, BARRHEAD	EAST RENFREWSHIRE	22926	Thu	11/10/01	0.179	0.170	0.349	
5	DC-02-C-04	BREWERY, DORCHESTER	DORSET	19857	Mon	09/07/01	0.126	0.368	0.494	
6	GS-02-C-01	HEALTH PRODUCTS, GLOUCEST	GLOUCESTERSHIRE	6604	Wed	26/05/04	0.091	1.272	1.363	
7	CW-02-C-02	LIGHTING COMPANY, BODMIN	CORNWALL	17675	Wed	06/06/07	0.074	0.272	0.346	
8	DC-02-C-03	INDUSTRIAL UNIT, NR WIMB	DORSET	1626	Tue	15/05/01	0.062	0.677	0.739	
9	CH-02-C-01	BAKERY, NORTHWICH	CHESHIRE	15000	Thu	21/06/07	0.047	0.260	0.307	
10	DC-02-C-05	ELECTRONICS CO., WEYMOUT	DORSET	4600	Thu	11/10/01	0.043	0.739	0.782	
11	WY-02-C-01	ANIMAL FEEDS, NEAR SHERB	WEST YORKSHIRE	9835	Tue	19/04/05	0.041	0.346	0.387	
12	DS-02-C-01	BAKERY, NEAR SHEFFIELD	DERBYSHIRE	23500	Thu	22/06/06	0.030	0.179	0.209	
13	MT-02-C-01	CONFECTIONERY, DOWLAI	MERTHYR TYDFIL	15450	Tue	09/10/07	0.026	0.078	0.104	
14	ER-02-C-02	DYEWORKS, NEWTON MEARN	EAST RENFREWSHIRE	11972	Wed	08/05/02	0.025	0.292	0.317	
15	FI-02-C-01	REFRIGERATION, DUNFERMLI	FIFE	4900	Fri	20/04/07	0.020	0.367	0.387	
16	CW-02-C-01	FOOD DISTRIBUTION, CAMBO	CORNWALL	10200	Fri	08/06/07	0.020	0.118	0.138	
17	NF-02-C-02	GROCERY FACTORY, KINGS L	NORFOLK	43325	Mon	19/09/05	0.016	0.074	0.090	
18 **	NF-02-C-01	INDUSTRIAL UNIT, NORWICH	NORFOLK	32000	Thu	16/11/00	0.016	0.141	0.157	
19	LC-02-C-01	BREWERY, BLACKBURN	LANCASHIRE	34581	Mon	21/06/04	0.012	0.090	0.102	
20	GM-02-C-02	BREWERY, MANCHESTER	GREATER MANCHESTER	33470	Tue	08/06/04	0.009	0.030	0.039	
21	HI-02-C-01	DAIRY, NAIRN	HIGHLAND	3000	Wed	24/05/06	0.000	0.533	0.533	

OFF-LINE VERSION Hatcrow Headingley Leeds

Licence No: 302904

RANK ORDER for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
VEHICLES

Ranking Type: DEPARTURES

Time Range: 17:00-18:00

15th Percentile = No. 18 (**)

85th Percentile = No. 4 (**)

Rank	Site-Ref	Description	Area	GFA	Day	Date	Trip Rate (Sorted by Departures)			Travel Plan
							Arrivals	Departures	Totals	
1	TV-02-C-01	ELECTRONICS CO., NR BILLI	TEES VALLEY	21841	Tue	02/10/01	0.192	1.772	1.964	
2	GS-02-C-01	HEALTH PRODUCTS, GLOUCEST	GLOUCESTERSHIRE	6604	Wed	26/05/04	0.091	1.272	1.363	
3	DC-02-C-02	NEWSPAPER HQ, WEYMOUTH	DORSET	3035	Tue	04/07/00	0.231	1.186	1.417	
4 **	DC-02-C-05	ELECTRONICS CO., WEYMOUTH	DORSET	4600	Thu	11/10/01	0.043	0.739	0.782	
5	DC-02-C-03	INDUSTRIAL UNIT, NR WIMB	DORSET	1626	Tue	15/05/01	0.062	0.677	0.739	
6	CF-02-C-01	PLASTICS COMPANY, CARDIF	CARDIFF	1068	Tue	24/10/06	0.375	0.655	1.030	
7	HI-02-C-01	DAIRY, NAIRN	HIGHLAND	3000	Wed	24/05/06	0.000	0.533	0.533	
8	DC-02-C-04	BREWERY, DORCHESTER	DORSET	19857	Mon	09/07/01	0.126	0.368	0.494	
9	FI-02-C-01	REFRIGERATION, DUNFERMLI	FIFE	4900	Fri	20/04/07	0.020	0.367	0.387	
10	WY-02-C-01	ANIMAL FEEDS, NEAR SHERB	WEST YORKSHIRE	9835	Tue	19/04/05	0.041	0.346	0.387	
11	ER-02-C-02	DYEWORKS, NEWTON MEARNES	EAST RENFREWSHIRE	11972	Wed	08/05/02	0.025	0.292	0.317	
12	CW-02-C-02	LIGHTING COMPANY, BODMIN	CORNWALL	17675	Wed	06/06/07	0.074	0.272	0.346	
13	CH-02-C-01	BAKERY, NORTHWICH	CHESHIRE	15000	Thu	21/06/07	0.047	0.260	0.307	
14	DS-02-C-01	BAKERY, NEAR SHEFFIELD	DERBYSHIRE	23500	Thu	22/06/06	0.030	0.179	0.209	
15	ER-02-C-01	PET FOODS, BARRHEAD	EAST RENFREWSHIRE	22926	Thu	11/10/01	0.179	0.170	0.349	
16	NF-02-C-01	INDUSTRIAL UNIT, NORWICH	NORFOLK	32000	Thu	16/11/00	0.016	0.141	0.157	
17	CW-02-C-01	FOOD DISTRIBUTION, CAMBO	CORNWALL	10200	Fri	08/06/07	0.020	0.118	0.138	
18 **	LC-02-C-01	BREWERY, BLACKBURN	LANCASHIRE	34581	Mon	21/06/04	0.012	0.090	0.102	
19	MT-02-C-01	CONFECTIONERY, DOWLAIS	MERTHYR TYDFIL	15450	Tue	09/10/07	0.026	0.078	0.104	
20	NF-02-C-02	GROCERY FACTORY, KINGS L	NORFOLK	43325	Mon	19/09/05	0.016	0.074	0.090	
21	GM-02-C-02	BREWERY, MANCHESTER	GREATER MANCHESTER	33470	Tue	08/06/04	0.009	0.030	0.039	

Halcrow Group Limited
Arndale House Otley Road Headingley Leeds LS6 2UL
Tel +44 (0)113 220 8220 Fax +44 (0)113 274 2924
www.halcrow.com