

Appendices

Appendix A – Scoping Correspondence



MEMO

TO	Development Management Planning Team, Hertfordshire County Council	FROM	Lee Kirby, Associate Transport Planner, WSP
DATE	08 November 2021	CONFIDENTIALITY	Confidential
SUBJECT	Salisbury Square, Hatfield – Pre-Application Advice Supporting Note		

This supporting note provides a summary of the proposed development at Salisbury Square, Hatfield and includes details of the site location, the existing development, the development proposals (including the vehicular and pedestrian accesses), car and cycle parking and the existing and proposed development trip generation to determine the net change in trip generation of the site with the implementation of the proposed development

Site Location

The proposed development is located approximately 700m east of Hatfield Town Centre adjacent to the A1000 Great North Road and Hatfield Railway Station. The site is bounded by the Great Northern public house and Arm and Sword Lane to the north, and by commercial and residential properties to the south, east and west. See attached Site Location Plan.

Existing Development

The site is currently occupied by 'The Parade', a row of 7 retail shops of approximately 630m² GFA, the majority of which are now unoccupied, along with 7 residential units above, with vehicular access currently being provided via the car park entrances on the south side of Arm and Sword Lane. The remaining area of the site to the south of 'The Parade' is occupied by open space and a car park to the north providing 65 car parking spaces.

Development Proposals

The proposed development will comprise of a retail shop comprising 264m² GFA (a net decrease of 366m²), commercial units comprising 1,049m² GFA (a net increase of 1,049m² GFA) providing a total GFA 1,313m² GFA, and 8 residential dwellings (5 houses with 3 bedrooms and 3 flats with 2 bedrooms). Based on the above elements there will be an overall net increase on the site of 683m² of GFA and 1 residential dwelling. See attached Site Layout Plan.

Site Access

Vehicular Access

- Vehicular access will be retained on the south side of Arm and Sword Lane, but will be via a new vehicular access to the west of the 5 houses that will be provided, as shown in Site Layout Plan. Also, see attached swept path analysis for Refuse Vehicle and Fire Tender.

Pedestrian Access

- Pedestrian access will be provided to the north via a new pedestrian access point that will connect to the existing footway on the south side of Arm and Sword Lane, as shown in Site Layout Plan..
- There will also be pedestrian access provided to the east via three existing pedestrian access points that connect to the existing footway on the west side of Park Street, and to the south via an existing

pedestrian access point that connects to the existing footways on Batterdale, as shown in Site Layout Plan..

- Pedestrian access will also be provided to the west via a new footway proposed as part of a consented scheme (6/2017/1902/FULL) that is currently being constructed on the east side of the road south from Arm and Sword Lane for approximately 25.0m with the footway being accessed via a new pedestrian access point and staircase.as shown in Site Layout Plan.

Car and Cycle Parking

The proposed car and cycle parking provision for the site has been guided by the Welwyn Hatfield Borough Council (WHBC) 'Parking Standards Supplementary Planning Guidance' (SPG) document adopted in 2004, but also taking into account the 'Interim Policy for Car Parking Standards and Garage Sizes' approved by WHBC in 2014. Based on this it is proposed to provide a total of 65 car parking spaces the same number that can currently be used. However, to enable sustainable modes to be taken up a total of 30 cycle parking spaces will also be provided (a mixture of short and long term spaces), as required based on the cycle parking standards. In addition, 6 short terms and 8 long terms cycle parking spaces (a total of 14 cycle parking spaces) will be provided adjacent to York House. Based on the above it is proposed to provide a total of 44 cycle parking spaces (i.e. 30 +14 = 44), which is a significant improvement on the existing cycle parking provision, and will encourage residents and staff to cycle and reduce car use. As part of the car parking provision disabled spaces will be provided, as well as a car club space, and infrastructure for electric vehicles. In addition, car parking will be controlled by the use of parking permits.

Traffic Generation

Existing Development – Trip Generation

The Trip Rate Information (TRICS® 2021 v7.8.2) database was used to determine the vehicular trip rates for each of the established land uses of the existing development (as many of the units on the site have been empty for a number of years). By applying these vehicular trip rates to the size of each of these land uses, it was possible to determine the predicted vehicular trip generation of the retail and residential elements of the existing development, as outlined below. The full TRICS® outputs are enclosed for your reference.

Retail – Predicted Vehicular Trip Generation

The vehicular trip rates obtained for retail shopping centres were applied to the 630m² GFA that makes up the retail element of the site to determine the predicted vehicular trips of this part of the existing development, and the results are shown in Table 1 below.

Table 1 – Predicted Vehicular Trip Generation – Retail Shopping Centre

	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Trip Rate per 100m ²	8.278	8.134	16.412	10.383	10.789	21.172
Vehicular Trips	52	51	103	65	68	133

Source: TRICS® v7.8.2 Database (November 2021)



Residential – Predicted Vehicular Trip Generation

The vehicular trip rates obtained for the residential mixed private housing were applied to the 10 residential units that makes up the residential element on the site to determine the predicted vehicular trips of this part of the existing development, and the results are shown in Table 2 below.

Table 2 – Predicted Vehicular Trip Generation – Residential Mixed Private Housing

	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Trip Rate per Dwelling	0.052	0.138	0.190	0.172	0.121	0.293
Vehicular Trips	1	1	2	1	1	2

Source: TRICS® v7.8.2 Database (November 2021)

Total Predicted Vehicular Trip Generation

The predicted vehicular trip generation of the retail and residential elements of the existing development shown in Tables 1 and 2 have been combined to determine the total predicted vehicular trip generation of the existing development, and the results are shown in Table 3 below.

Table 3 – Total Predicted Vehicular Trip Generation

Land Use	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Retail	52	51	103	65	68	133
Residential	1	1	2	1	1	2
Total	53	52	105	66	69	135

Proposed Development – Vehicular Trip Generation

The TRICS® database was used to obtain the vehicular trips rates for each of the land uses of the proposed development. By applying these vehicular trip rates to the size of each of the land uses of the proposed development, it was possible to determine the predicted vehicular trip generation of the retail, residential and employment elements of the proposed development, as outlined below. The full TRICS® outputs are enclosed for your reference.

Retail – Predicted Vehicular Trip Generation

The vehicular trip rates obtained for retail shopping centre selection were applied to the 264m² GFA that will make up the retail element on the site to determine the predicted vehicular trips of this part of the proposed development, and the results are shown in Table 4 below.

Table 4 – Predicted Vehicular Trip Generation – Retail Shopping Centre

	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Trip Rate per 100m ²	8.278	8.134	16.412	10.383	10.789	21.172
Vehicular Trips	22	21	43	27	28	56

Source: TRICS® v7.8.2 Database (November 2021)

Residential – Predicted Vehicular Trip Generation

The vehicular trip rates obtained for the residential mixed private housing were applied to the 8 residential units that will make up the residential element on the site to determine the predicted vehicular trips of this part of the proposed development, and the results are shown in Table 5 below.

Table 5 – Predicted Vehicular Trip Generation – Residential Mixed Private Housing

	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Trip Rate per Dwelling	0.052	0.138	0.190	0.172	0.121	0.293
Vehicular Trips	1	1	2	1	1	2

Source: TRICS® v7.8.2 Database (November 2021)

Employment – Predicted Vehicular Trip Generation

The vehicular trips rates obtained using the employment office selection were applied to the 1,049m² GFA that will make up the employment element on the site to determine the predicted vehicular trips of this part of the proposed development, and the results are shown in Table 6 below.

Table 6 – Predicted Vehicular Trip Generation – Employment Office

	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Trip Rate per 100m ²	2.865	0.313	3.178	0.560	2.798	3.358
Vehicular Trips	30	3	33	6	29	35

Source: TRICS® v7.8.2 Database (November 2021)

Total Predicted Vehicular Trip Generation

The predicted vehicular trip generation of the retail, residential and business elements of proposed development shown in Tables 4, 5 and 6 have been combined to determine the total predicted vehicular trip generation of the proposed development, and the results are shown in Table 7 below.



Table 7 – Total Predicted Vehicular Trip Generation

Land Use	AM Peak Hour (08:00 – 09:00)			PM Peak Hour (17:00 – 18:00)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
Retail	22	21	43	27	28	56
Residential	1	1	2	1	1	2
Employment	30	3	33	6	29	35
Total	53	25	78	34	58	93

Comparison of Predicted Vehicular Trip Generation

The predicted two-way vehicular trip generation of the existing and proposed development shown in Tables 3 and 7 has been compared to determine the net change in the two-way vehicular trip generation of the site as shown Table 8 below.

Table 8 – Predicted AM and PM Peak Hour Two-Way Vehicular Trip Generation Net Change

Land Use	AM Peak Hour			PM Peak Hour		
	Existing	Proposed	Change	Existing	Proposed	Change
Retail	103	43	-60	133	56	-77
Residential	2	2	+0	2	2	+0
Employment	0	33	+33	0	35	+35
Total	105	78	-27	135	93	-42

Table 5.8 shows that based on the predicted vehicular trip generation of the established land uses of the existing development and the predicted vehicular trip generation of the proposed land uses on the site it is predicted that there will be a net decrease of 27 two-way vehicular movements in the AM peak hour from 105 to 78, and a net decrease of 42 two-way vehicular movements in the PM peak hour from 135 to 93.



KEY:
 Location Plan

X	xx/xx/xx	XX	FIRST ISSUE	XX	XX
REV	DATE	DRW	DESCRIPTION	CHK	APP

STATUS:

FOR INFORMATION ONLY



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CLIENT:
Gascoyne Estates

ARCHITECT:
Brooks Murray

PROJECT:
**Salisbury Square
 Hatfield**

TITLE:
Figure 1 - Site Location Plan

DRAWN: LR	CHECKED: LK	APPROVED: GM
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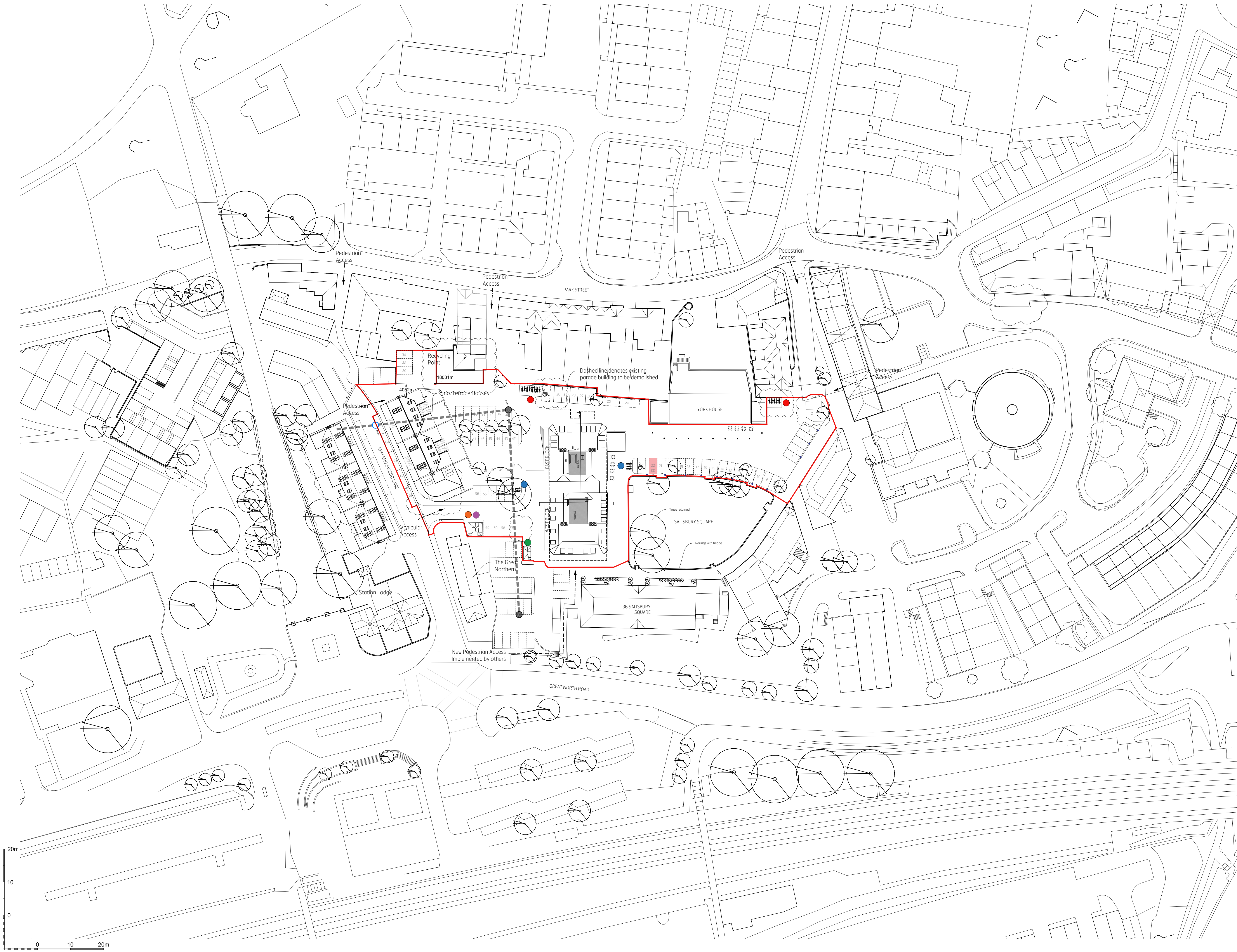
QGIS FILE: location plan.ggz	SCALE @A3: 1:2,193	DATE: 13/10/21
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PROJECT No: 70088003	DRAWING No:	REV: A
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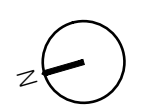
Created by: UKLCR400 - 2021-10-13 15:35:11 - \\uk.wspgroup.com\Central Data\Projects\70088003 - Salisbury Square, Hatfield\03 WIP Transport\GIS\Location plan.ggz
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REV	AMENDMENT	BY	DATE
-	Issued to GCE	PH	06.10.21
A	Parking Spaces Updated: Cycle Stores added	PH	14.09.21
B	Parking/Cycle updated: Refuse Stores added	PH	05.10.21
C	Amended to suit client comments	PH	03.11.21



- NOTES:
- Proposed Site Area: 0.485 ha
 - Existing number of car parking spaces: 65 no.
 - Proposed number of car parking spaces: 65 no.
 - Car Club Spaces: CC
 - Electric Charging Point: ●
 - Proposed Cycle Parking Spaces:
 - Covered (LT): 26 no. ●
 - Uncovered (ST): 10 no. ●
 - Proposed Refuse/Recycling:
 - Residential Houses: ●
 - Residential Flats: ●
 - Commercial: ●


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CLIENT:
GASCOYNE ESTATES

JOB:
SALISBURY SQUARE
HATFIELD
AL9 5AD

DRAWING TITLE:
SITE PLAN OPTION 06.10.2021

SCALE:
1:500 @ A1

DATE:
OCT 2021

STATUS:
WORK IN PROGRESS

DRAWING NUMBER: 789 - PL - 100 REV: C ISSUED BY: PH

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : I - SHOPPING CENTRE - LOCAL SHOPS
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST EX ESSEX	1 days
03	SOUTH WEST BR BRISTOL CITY	1 days
05	EAST MIDLANDS LE LEICESTERSHIRE	1 days
06	WEST MIDLANDS SH SHROPSHIRE	1 days
	WM WEST MIDLANDS	1 days
09	NORTH TV TEES VALLEY	1 days
11	SCOTLAND SR STIRLING	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 375 to 900 (units: sqm)
 Range Selected by User: 210 to 900 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 08/07/16

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Tuesday	3 days
Thursday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

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

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	6
Retail Zone	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

n/a 7 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

5,001 to 10,000 2 days
20,001 to 25,000 4 days
25,001 to 50,000 1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

75,001 to 100,000 2 days
100,001 to 125,000 1 days
125,001 to 250,000 1 days
250,001 to 500,000 2 days
500,001 or More 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 1 days
1.1 to 1.5 6 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Petrol filling station:

Included in the survey count 0 days
Excluded from count or no filling station 7 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Yes 1 days
No 6 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 7 days

This data displays the number of selected surveys with PTAL Ratings.

TRIP RATE for Land Use 01 - RETAIL/I - SHOPPING CENTRE - LOCAL SHOPS

TOTAL 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	7	597	8.110	7	597	7.751	7	597	15.861
08:00 - 09:00	7	597	8.278	7	597	8.134	7	597	16.412
09:00 - 10:00	7	597	8.038	7	597	7.967	7	597	16.005
10:00 - 11:00	7	597	8.062	7	597	7.775	7	597	15.837
11:00 - 12:00	7	597	8.301	7	597	8.469	7	597	16.770
12:00 - 13:00	7	597	10.957	7	597	10.215	7	597	21.172
13:00 - 14:00	7	597	9.689	7	597	9.522	7	597	19.211
14:00 - 15:00	7	597	8.134	7	597	8.230	7	597	16.364
15:00 - 16:00	7	597	8.541	7	597	9.091	7	597	17.632
16:00 - 17:00	7	597	10.072	7	597	9.474	7	597	19.546
17:00 - 18:00	7	597	10.383	7	597	10.789	7	597	21.172
18:00 - 19:00	7	597	9.665	7	597	10.000	7	597	19.665
19:00 - 20:00	7	597	9.211	7	597	8.756	7	597	17.967
20:00 - 21:00	7	597	5.742	7	597	6.388	7	597	12.130
21:00 - 22:00	7	597	3.684	7	597	4.426	7	597	8.110
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			126.867			126.987			253.854

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected:	375 - 900 (units: sqm)
Survey date range:	01/01/13 - 08/07/16
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Calculation Reference: AUDIT-100314-211003-1035

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : K - MIXED PRIV HOUS (FLATS AND HOUSES)
 TOTAL VEHICLES

Selected regions and areas:

06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
10	WALES	
	CO CONWY	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: No of Dwellings
 Actual Range: 15 to 28 (units:)
 Range Selected by User: 15 to 60 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 27/03/18

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	3 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

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

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	3
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This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

C3 3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

10,001 to 15,000 1 days
15,001 to 20,000 1 days
25,001 to 50,000 1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000 1 days
50,001 to 75,000 1 days
250,001 to 500,000 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 2 days
1.1 to 1.5 1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No 3 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 3 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CB-03-K-02 NATLAND ROAD KENDAL	SEMI -DETACHED & FLATS	CUMBRIA
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 15 <i>Survey date: TUESDAY 21/06/16</i>		
	<i>Survey Type: MANUAL</i>		
2	CO-03-K-01 LIDDELL DRIVE LLANDUDNO	MIXED HOUSES & FLATS	CONWY
	Edge of Town Residential Zone Total No of Dwellings: 15 <i>Survey date: TUESDAY 27/03/18</i>		
	<i>Survey Type: MANUAL</i>		
3	ST-03-K-03 CLAREMONT ROAD WOLVERHAMPTON	MIXED HOUSING & FLATS	STAFFORDSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 28 <i>Survey date: FRIDAY 09/05/14</i>		
	<i>Survey Type: MANUAL</i>		

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

TRIP RATE for Land Use 03 - RESIDENTIAL/K - MIXED PRIV HOUS (FLATS AND HOUSES)

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	19	0.069	3	19	0.086	3	19	0.155
08:00 - 09:00	3	19	0.052	3	19	0.138	3	19	0.190
09:00 - 10:00	3	19	0.103	3	19	0.121	3	19	0.224
10:00 - 11:00	3	19	0.121	3	19	0.086	3	19	0.207
11:00 - 12:00	3	19	0.190	3	19	0.155	3	19	0.345
12:00 - 13:00	3	19	0.155	3	19	0.207	3	19	0.362
13:00 - 14:00	3	19	0.086	3	19	0.086	3	19	0.172
14:00 - 15:00	3	19	0.138	3	19	0.121	3	19	0.259
15:00 - 16:00	3	19	0.138	3	19	0.103	3	19	0.241
16:00 - 17:00	3	19	0.138	3	19	0.155	3	19	0.293
17:00 - 18:00	3	19	0.172	3	19	0.121	3	19	0.293
18:00 - 19:00	3	19	0.121	3	19	0.155	3	19	0.276
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.483			1.534			3.017

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected:	15 - 28 (units:)
Survey date range:	01/01/13 - 27/03/18
Number of weekdays (Monday-Friday):	3
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	HF HERTFORDSHIRE	1 days
04	EAST ANGLIA	
	NF NORFOLK	2 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
10	WALES	
	BG BRIDGEND	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 178 to 925 (units: sqm)
 Range Selected by User: 178 to 1000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 06/05/21

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Tuesday	1 days
Wednesday	4 days
Thursday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	9 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Edge of Town Centre	6
Suburban Area (PPS6 Out of Centre)	2
Edge of Town	1

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Industrial Zone	2
Commercial Zone	2
Residential Zone	2
Built-Up Zone	2
No Sub Category	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

Not Known 9 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS@.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

15,001 to 20,000 3 days
20,001 to 25,000 2 days
25,001 to 50,000 4 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000 1 days
75,001 to 100,000 3 days
100,001 to 125,000 1 days
125,001 to 250,000 2 days
250,001 to 500,000 2 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 7 days
1.1 to 1.5 2 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes 1 days
No 8 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 9 days

This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions Yes At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions

LIST OF SITES relevant to selection parameters

1	BG-02-A-01 KENT ROAD BRIDGEND	HAULAGE COMPANY	BRIDGEND
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 300 sqm <i>Survey date: THURSDAY 06/05/21</i>		
	<i>Survey Type: MANUAL</i>		
2	CB-02-A-02 PORT ROAD CARLISLE	OFFICE	CUMBRIA
	Edge of Town Centre Industrial Zone Total Gross floor area: 925 sqm <i>Survey date: FRIDAY 24/06/16</i>		
	<i>Survey Type: MANUAL</i>		
3	DS-02-A-01 PRIME PARK WAY DERBY	REAL ESTATE DEVELOPERS	DERBYSHIRE
	Edge of Town Centre No Sub Category Total Gross floor area: 594 sqm <i>Survey date: WEDNESDAY 25/09/19</i>		
	<i>Survey Type: MANUAL</i>		
4	ES-02-A-11 THE SIDINGS HASTINGS ORE VALLEY	HOUSING COMPANY	EAST SUSSEX
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 186 sqm <i>Survey date: TUESDAY 17/11/15</i>		
	<i>Survey Type: MANUAL</i>		
5	ES-02-A-13 ROMAN ROAD HOVE	OFFICES	EAST SUSSEX
	Edge of Town Centre Residential Zone Total Gross floor area: 280 sqm <i>Survey date: WEDNESDAY 04/07/18</i>		
	<i>Survey Type: MANUAL</i>		
6	HF-02-A-03 60 VICTORIA STREET ST ALBANS	OFFICE	HERTFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Gross floor area: 610 sqm <i>Survey date: WEDNESDAY 16/10/13</i>		
	<i>Survey Type: MANUAL</i>		
7	NF-02-A-02 NORTH QUAY GREAT YARMOUTH	FINANCIAL PLANNERS	NORFOLK
	Edge of Town Centre Commercial Zone Total Gross floor area: 894 sqm <i>Survey date: MONDAY 11/09/17</i>		
	<i>Survey Type: MANUAL</i>		
8	NF-02-A-04 WHITING ROAD NORWICH	BUILDING CONSULTANT	NORFOLK
	Edge of Town Commercial Zone Total Gross floor area: 500 sqm <i>Survey date: WEDNESDAY 13/11/19</i>		
	<i>Survey Type: MANUAL</i>		

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

LIST OF SITES relevant to selection parameters (Cont.)

9	NY-02-A-01	SOLICITORS	NORTH YORKSHIRE
	NORTH PARK ROAD		
	HARROGATE		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	178 sqm	
	Survey date: THURSDAY	04/10/18	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

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

TOTAL 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	8	536	0.909	8	536	0.093	8	536	1.002
08:00 - 09:00	9	496	2.865	9	496	0.313	9	496	3.178
09:00 - 10:00	9	496	1.343	9	496	0.828	9	496	2.171
10:00 - 11:00	9	496	0.582	9	496	0.537	9	496	1.119
11:00 - 12:00	9	496	0.403	9	496	0.582	9	496	0.985
12:00 - 13:00	9	496	0.672	9	496	1.164	9	496	1.836
13:00 - 14:00	9	496	0.963	9	496	0.761	9	496	1.724
14:00 - 15:00	9	496	0.560	9	496	0.604	9	496	1.164
15:00 - 16:00	9	496	0.291	9	496	0.582	9	496	0.873
16:00 - 17:00	9	496	0.425	9	496	1.007	9	496	1.432
17:00 - 18:00	9	496	0.560	9	496	2.798	9	496	3.358
18:00 - 19:00	8	536	0.280	8	536	0.746	8	536	1.026
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			9.853			10.015			19.868

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

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Parameter summary

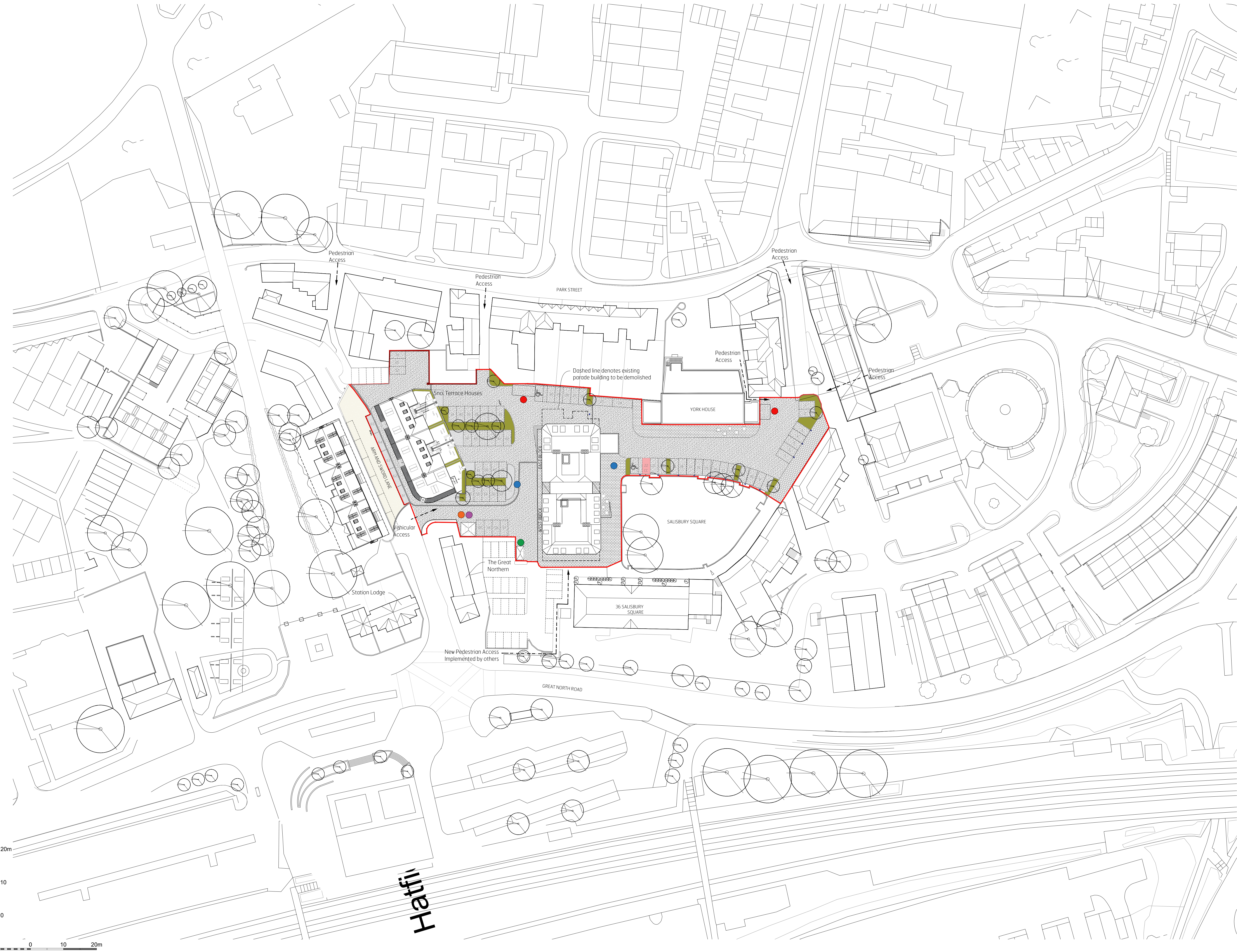
Trip rate parameter range selected:	178 - 925 (units: sqm)
Survey date date range:	01/01/13 - 06/05/21
Number of weekdays (Monday-Friday):	9
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Appendix B – Site Layout Plan

USE PROPOSED DIMENSIONS ONLY - DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE VERIFIED ON SITE AND RECORDED. THESE ARE THE DIMENSIONS OF PROPOSED WORK. ANY DIMENSIONS NOT SHOWN ARE TO BE DETERMINED BY THE CONTRACTOR. BROOKS MURRAY ARCHITECTS HAS OBTAINED THE NECESSARY CONSENTS FROM THE LOCAL AUTHORITY FOR THIS DRAWING. ALL RIGHTS ARE RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF BROOKS MURRAY ARCHITECTS. PLANNING (IF APPLICABLE) SHOULD NOT BE USED FOR CONSTRUCTION.

REV	AMENDMENT	BY	DATE
A	Changing position of the granite set in Arms and Sword Lane	VN	23.11.21
B	Surfaces key added and bicycle storage amended	VN	24.11.21



- SURFACES KEY**
- Conservation Granite Paving
 - Conservation Granite Setts
 - Conservation Kerb
 - Gravel
 - Tarmac
 - Grass

- NOTES:**
- Proposed Site Area: 0.485 h
 - Existing number of car parking spaces: 65 no.
 - Proposed number of car parking spaces: 65 no.
 - Car Club Spaces:
 - Electric Charging Point:
 - Bollards:
 - Proposed Cycle Parking Spaces:
 - Covered (LT): 26 no.
 - Uncovered (ST): 10 no.
 - Proposed Refuse/Recycling:
 - Residential Houses:
 - Residential Flats:
 - Commercial:

Brooks Murray Architects
 The Arts Building, Morris Place, N4 3JG
 +44 (0)2077399555 admin@brooks-murray.com

brooks murray

CLIENT:
GASCOYNE ESTATES

JOB:
SALISBURY SQUARE
HATFIELD
AL9 5AD

DRAWING TITLE:
PROPOSED SITE PLAN
GROUND FLOOR LEVEL

SCALE:
1:500 @ A1 / 1:1000 @ A3

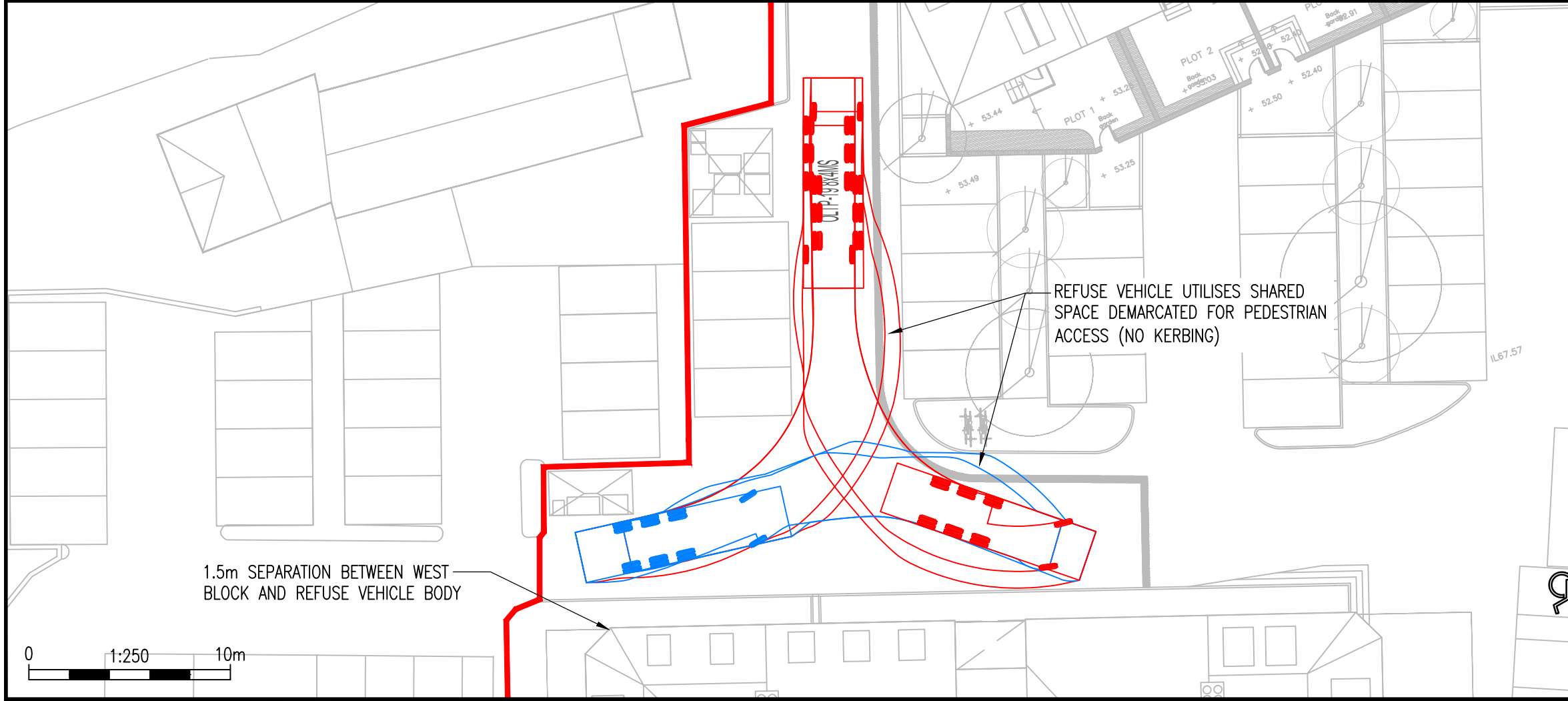
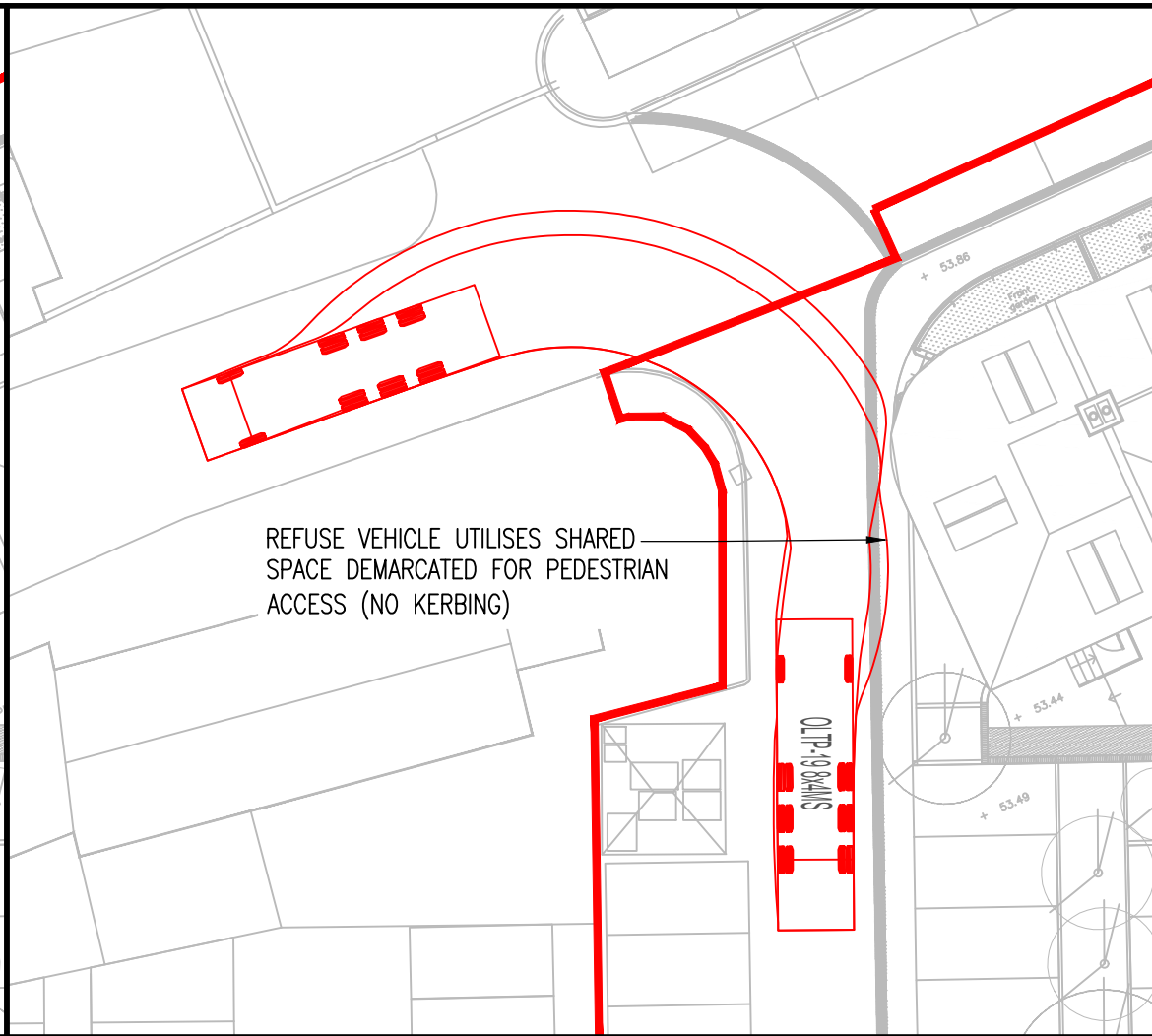
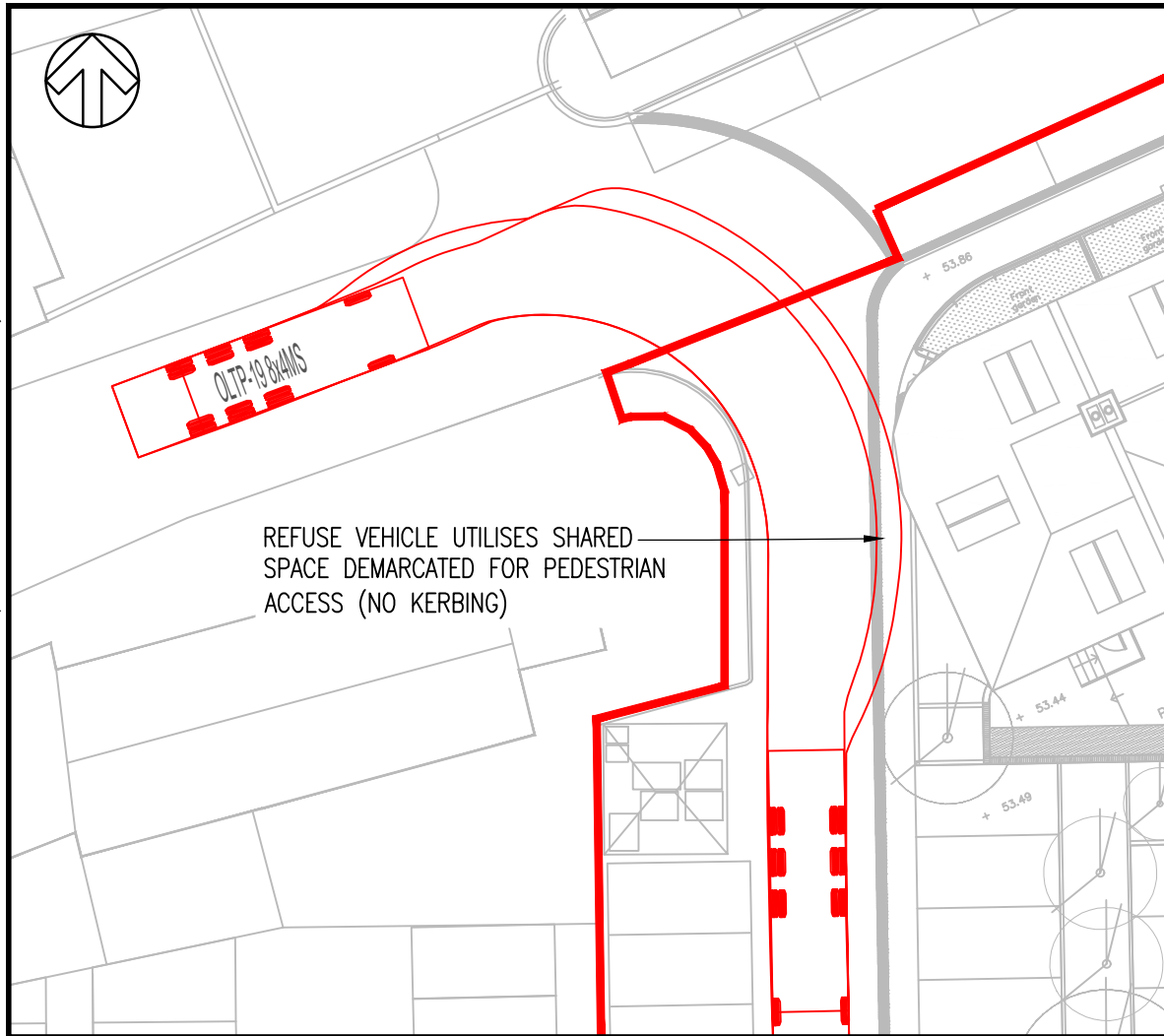
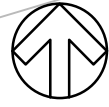
DATE:
NOV 2021

STATUS:
PLANNING

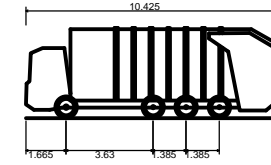
DRAWING NUMBER: 789 - PL - 109 REV: B ISSUED BY: PH

Appendix C – Site Access and Swept Path Analysis

File name \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70088003 - SALISBURY SQUARE, HATFIELD\03 WIP\TRANSPORT\DRAWING\DWG\SSHT-WSP-00-XX-DR-TP-001-0002.DWG, printed on 24 November 2021 12:52:34, by Potter, Andrew



DO NOT SCALE



OLTP-19 8x4MS
 Overall Length 10.425m
 Overall Width 2.550m
 Overall Body Height 3.760m
 Min Body Ground Clearance 0.312m
 Track Width 2.550m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 11.200m

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REV	DATE	BY	DESCRIPTION	CHK	APP
P03	24/11/2021	ACP	MASTERPLAN UPDATED	LJK	LJK
P02	08/10/2021	ACP	SWEPT PATHS AMENDED	LJK	LJK
P01	07/10/2021	ACP	FIRST ISSUE	LJK	LJK

DRAWING STATUS: S2 - FOR INFORMATION



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 wsp.com

CLIENT: GASCOYNE ESTATES

ARCHITECT: BROOKS MURRAY

PROJECT: SALISBURY SQUARE, OLD HATFIELD

TITLE: REFUSE SWEEP PATH ANALYSIS

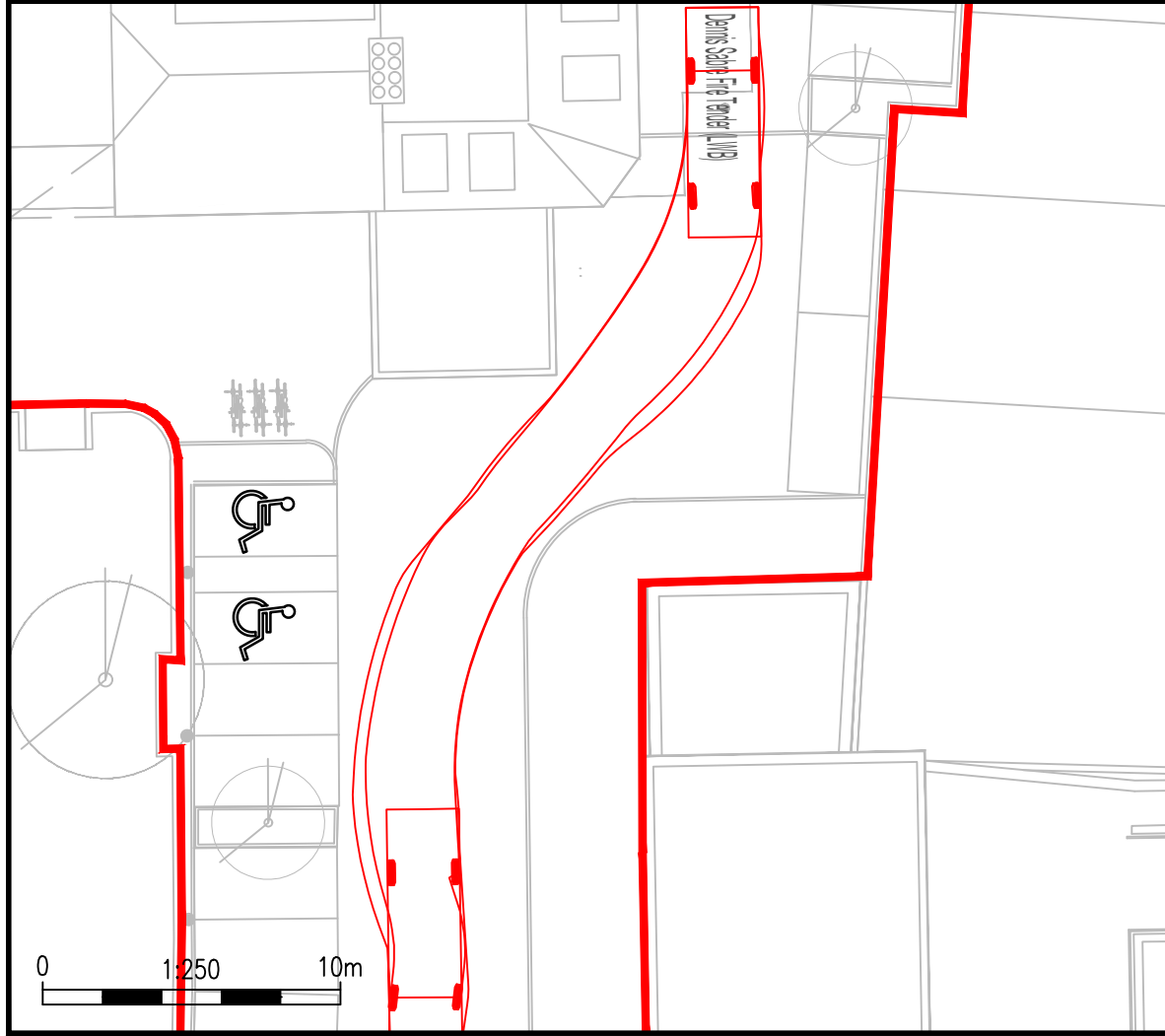
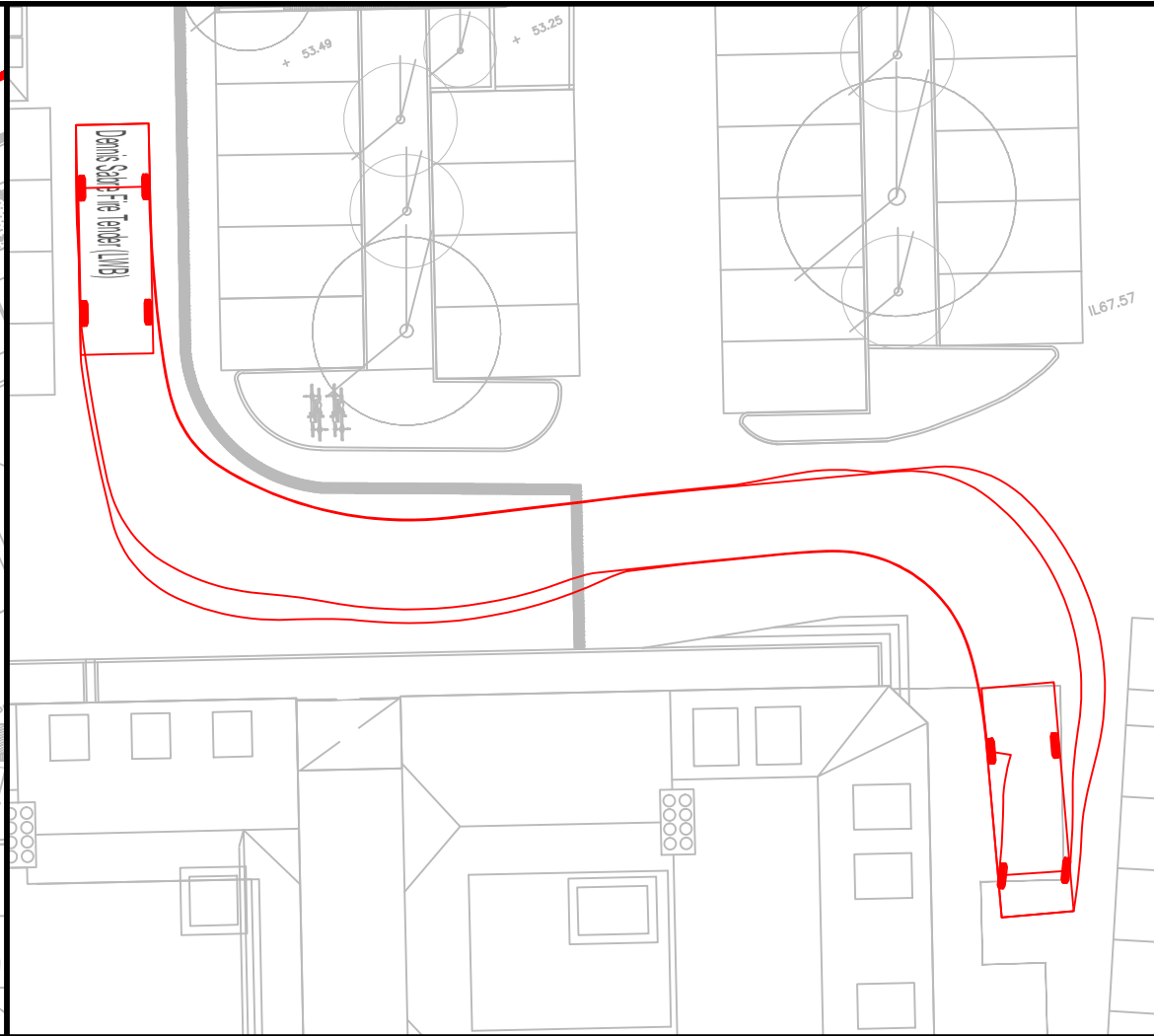
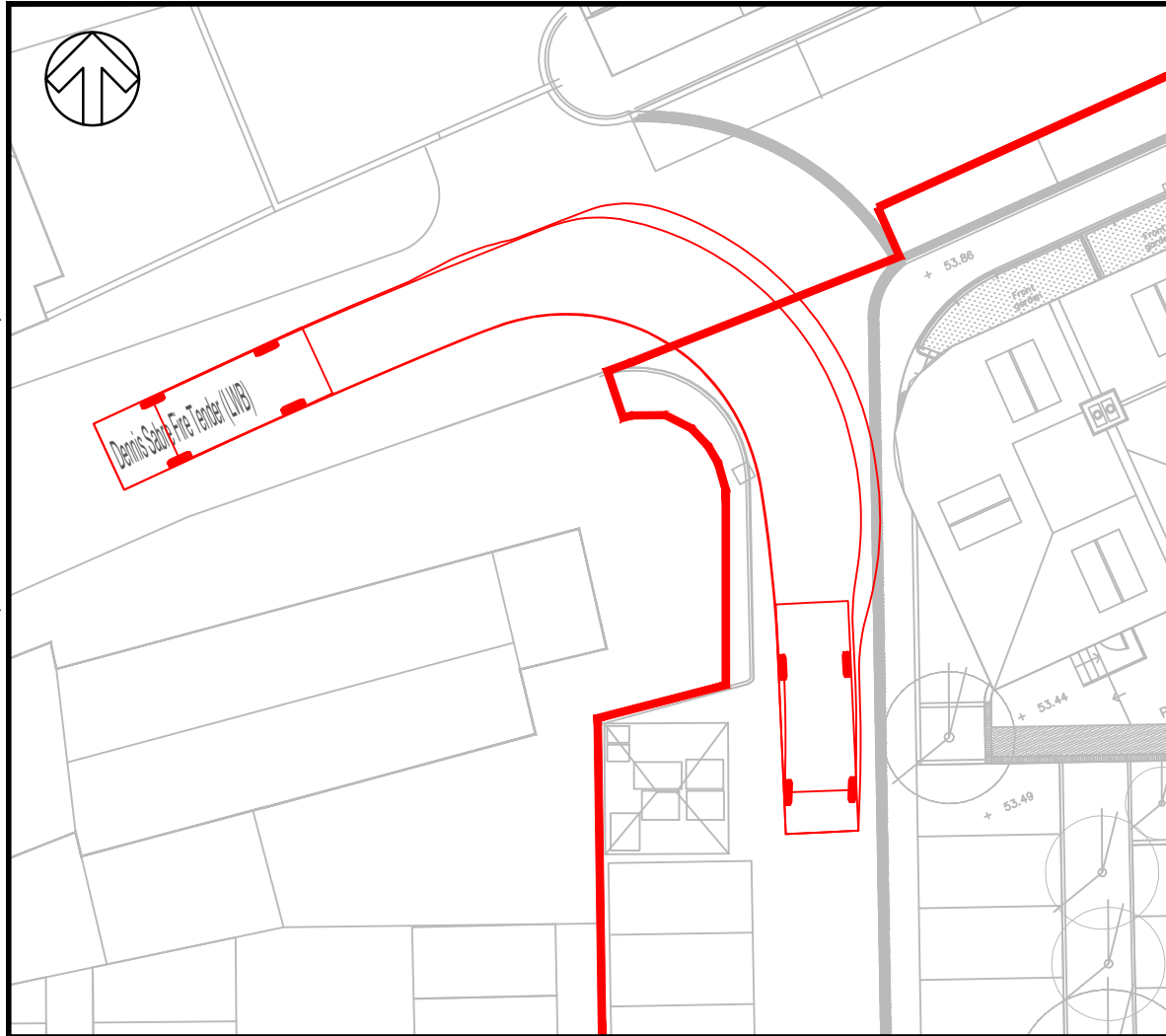
SCALE @ A3: 1:250
 CHECKED: LJK
 APPROVED: LJK

PROJECT No: 70088003
 DESIGNED: ---
 DRAWN: ACP
 DATE: October 21

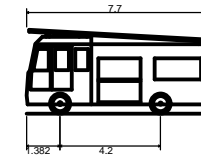
DRAWING No: SSHT-WSP-00-XX-DR-TP-0002
 REV: P03

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File name \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70088XXX\70088003 - SALISBURY SQUARE, HATFIELD\03 WIP\TRANSPORT\DRAWING\DWG\SSHT-WSP-00-XX-DR-TP-001-0002.DWG, printed on 24 November 2021 12:52:06, by Potter, Andrew



DO NOT SCALE



Dennis Sabre Fire Tender (LWB)
 Overall Length 7.700m
 Overall Width 2.430m
 Overall Body Height 3.512m
 Min Body Ground Clearance 0.397m
 Track Width 2.380m
 Lock to lock time 5.00s
 Kerb to Kerb Turning Radius 7.400m

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK

P02	24/11/2021	ACP	MASTERPLAN UPDATED	LJK	LJK
P01	07/10/2021	ACP	FIRST ISSUE	LJK	LJK
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION



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 wsp.com

CLIENT: GASCOYNE ESTATES

ARCHITECT: BROOKS MURRAY

PROJECT: SALISBURY SQUARE, OLD HATFIELD

TITLE: FIRE TENDER SWEEP PATH ANALYSIS

SCALE @ A3: 1:250 CHECKED: LJK APPROVED: LJK

PROJECT No: 70088003 DESIGNED: --- DRAWN: ACP DATE: October 21

DRAWING No: SSHT-WSP-00-XX-DR-TP-001 REV: P02

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Appendix D – Traffic Flow Data

Hatfield, Hertfordshire
Classified Junction Count

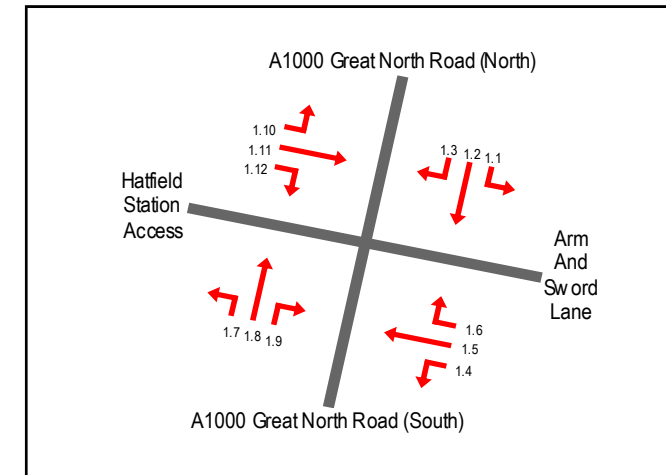
Site Plan

	Movement Number
	Number of Vehicles
	PCU Value

Network Peak Hour

08:00 - 09:00

1.10	8	16
1.11	0	0
1.12	23	35



1.3	1.2	1.1
0	537	20
0	551	20

1.6	4	4
1.5	0	0
1.4	6	6

Peak Hour

08:00 - 09:00

1.7	1.8	1.9
0	490	16
0	495	16

Network Peak Hour Generator
click on yellow cell to change Peak Hour parameters

Session: Weekday AM Peak

Vehicle Class: ALL

Start Time: 08:00

End Time: 09:00

Note: The site diagram is for reference purposes only and is not an exact representation of the site surveyed

Hatfield, Hertfordshire
Classified Junction Count

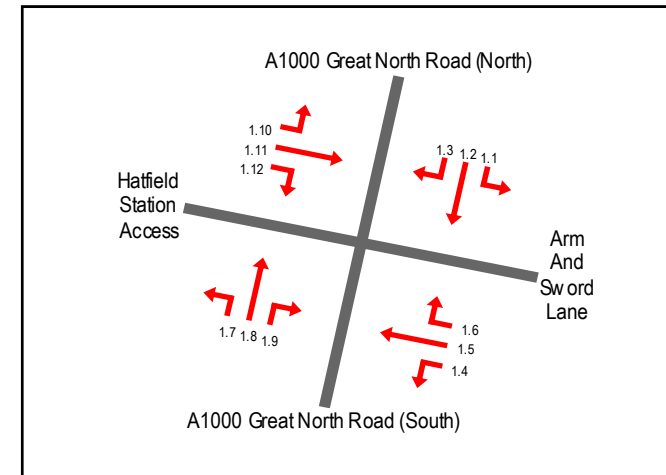
Site Plan

	Movement Number
	Number of Vehicles
	PCU Value

Network Peak Hour

17:00 - 18:00

1.10	10	19
1.11	0	0
1.12	38	49



1.3	1.2	1.1
0	496	15
0	506	15

1.6	21	21
1.5	0	0
1.4	28	28

Peak Hour

17:00 - 18:00

1.7	1.8	1.9
0	498	16
0	500	16

Network Peak Hour Generator
click on yellow cell to change Peak Hour parameters

Session: Weekday PM Peak

Vehicle Class: ALL

Start Time: 17:00

End Time: 18:00

Note: The site diagram is for reference purposes only and is not an exact representation of the site surveyed

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1

A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long

lat 51.763656° lon -0.214966°

Date

Tuesday 05 October 2021

Weather

Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.1: Left from A1000 Great North Road (North) to Arm And Sword Lane								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	0	0.00
0715 - 0730	0	0	1	0	0	0	0	0	1	1.00
0730 - 0745	0	0	3	0	0	0	0	0	3	3.00
0745 - 0800	0	0	1	0	1	0	0	0	2	2.00
Hourly Total	0	0	5	0	1	0	0	0	6	6.00
Hourly Average	0.00	0.00	1.25	0.00	0.25	0.00	0.00	0.00	1.50	1.50
0800 - 0815	0	0	3	0	0	0	0	0	3	3.00
0815 - 0830	0	0	4	0	0	0	0	0	4	4.00
0830 - 0845	0	0	9	0	0	0	0	0	9	9.00
0845 - 0900	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	20	0	0	0	0	0	20	20.00
Hourly Average	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
0900 - 0915	0	0	1	1	0	0	0	0	2	2.00
0915 - 0930	0	0	1	0	0	0	0	0	1	1.00
0930 - 0945	0	0	3	0	1	0	0	0	4	4.00
0945 - 1000	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	9	1	1	0	0	0	11	11.00
Hourly Average	0.00	0.00	2.25	0.25	0.25	0.00	0.00	0.00	2.75	2.75
Session Total	0	0	34	1	2	0	0	0	37	37.00
Session Average	0.00	0.00	2.83	0.08	0.17	0.00	0.00	0.00	3.08	3.08

Date

Tuesday 05 October 2021

Weather

Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.1: Left from A1000 Great North Road (North) to Arm And Sword Lane								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	0	0	0	0	0	0	0	0.00
1615 - 1630	0	0	0	0	1	0	0	0	1	1.00
1630 - 1645	0	0	1	0	1	0	0	0	2	2.00
1645 - 1700	0	0	8	0	0	0	0	0	8	8.00
Hourly Total	0	0	9	0	2	0	0	0	11	11.00
Hourly Average	0.00	0.00	2.25	0.00	0.50	0.00	0.00	0.00	2.75	2.75
1700 - 1715	0	0	4	0	0	0	0	0	4	4.00
1715 - 1730	0	0	4	0	0	0	0	0	4	4.00
1730 - 1745	0	0	5	0	1	0	0	0	6	6.00
1745 - 1800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	14	0	1	0	0	0	15	15.00
Hourly Average	0.00	0.00	3.50	0.00	0.25	0.00	0.00	0.00	3.75	3.75
1800 - 1815	0	0	2	0	0	0	0	0	2	2.00
1815 - 1830	0	0	1	0	0	0	0	0	1	1.00
1830 - 1845	0	0	3	0	0	0	0	0	3	3.00
1845 - 1900	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	7	0	0	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	1.75	1.75
Session Total	0	0	30	0	3	0	0	0	33	33.00
Session Average	0.00	0.00	2.50	0.00	0.25	0.00	0.00	0.00	2.75	2.75

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.2: Southbound from A1000 Great North Road (North) to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	1	72	0	19	0	3	2	97	102.30
0715 - 0730	0	1	95	0	20	5	2	5	128	137.50
0730 - 0745	0	1	98	0	21	3	1	3	127	132.20
0745 - 0800	0	0	118	0	20	3	0	2	143	146.50
Hourly Total	0	3	383	0	80	11	6	12	495	518.50
Hourly Average	0.00	0.75	95.75	0.00	20.00	2.75	1.50	3.00	123.75	129.63
0800 - 0815	0	2	118	0	21	0	0	2	143	143.80
0815 - 0830	0	1	109	0	21	2	0	1	134	135.40
0830 - 0845	0	0	119	1	14	3	3	4	144	153.40
0845 - 0900	0	0	99	1	13	2	1	0	116	118.30
Hourly Total	0	3	445	2	69	7	4	7	537	550.90
Hourly Average	0.00	0.75	111.25	0.50	17.25	1.75	1.00	1.75	134.25	137.73
0900 - 0915	0	0	94	3	12	2	1	4	116	122.30
0915 - 0930	0	0	74	0	13	4	1	4	96	103.30
0930 - 0945	0	0	66	0	13	2	1	4	86	92.30
0945 - 1000	0	2	65	1	14	2	4	4	92	101.00
Hourly Total	0	2	299	4	52	10	7	16	390	418.90
Hourly Average	0.00	0.50	74.75	1.00	13.00	2.50	1.75	4.00	97.50	104.73
Session Total	0	8	1127	6	201	28	17	35	1422	1488.30
Session Average	0.00	0.67	93.92	0.50	16.75	2.33	1.42	2.92	118.50	124.03

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.2: Southbound from A1000 Great North Road (North) to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	82	0	8	0	1	1	92	94.30
1615 - 1630	0	2	88	1	10	2	1	4	108	113.10
1630 - 1645	0	1	92	1	12	0	1	5	112	117.70
1645 - 1700	0	0	98	0	15	1	0	0	114	114.50
Hourly Total	0	3	360	2	45	3	3	10	426	439.60
Hourly Average	0.00	0.75	90.00	0.50	11.25	0.75	0.75	2.50	106.50	109.90
1700 - 1715	0	0	107	1	11	0	0	2	121	123.00
1715 - 1730	0	0	129	1	5	0	0	2	137	139.00
1730 - 1745	0	0	86	0	10	1	0	4	101	105.50
1745 - 1800	0	0	129	0	7	0	0	1	137	138.00
Hourly Total	0	0	451	2	33	1	0	9	496	505.50
Hourly Average	0.00	0.00	112.75	0.50	8.25	0.25	0.00	2.25	124.00	126.38
1800 - 1815	0	1	90	0	7	0	0	1	99	99.40
1815 - 1830	0	0	106	0	6	1	0	2	115	117.50
1830 - 1845	1	1	66	0	3	2	0	4	77	80.60
1845 - 1900	0	0	85	0	7	0	0	1	93	94.00
Hourly Total	1	2	347	0	23	3	0	8	384	391.50
Hourly Average	0.25	0.50	86.75	0.00	5.75	0.75	0.00	2.00	96.00	97.88
Session Total	1	5	1158	4	101	7	3	27	1306	1336.60
Session Average	0.08	0.42	96.50	0.33	8.42	0.58	0.25	2.25	108.83	111.38

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.4: Left from Arm And Sword Lane to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	3	0	0	0	3	3.00
0715 - 0730	0	0	2	0	0	0	0	0	2	2.00
0730 - 0745	0	0	0	0	0	0	0	0	0	0.00
0745 - 0800	0	0	1	0	1	0	0	0	2	2.00
Hourly Total	0	0	3	0	4	0	0	0	7	7.00
Hourly Average	0.00	0.00	0.75	0.00	1.00	0.00	0.00	0.00	1.75	1.75
0800 - 0815	0	0	1	0	0	0	0	0	1	1.00
0815 - 0830	0	0	2	0	0	0	0	0	2	2.00
0830 - 0845	0	0	1	0	0	0	0	0	1	1.00
0845 - 0900	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	6	0	0	0	0	0	6	6.00
Hourly Average	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	1.50	1.50
0900 - 0915	0	0	2	1	1	0	0	0	4	4.00
0915 - 0930	0	0	1	0	0	0	0	0	1	1.00
0930 - 0945	0	0	2	0	2	0	0	0	4	4.00
0945 - 1000	0	0	2	0	3	0	0	0	5	5.00
Hourly Total	0	0	7	1	6	0	0	0	14	14.00
Hourly Average	0.00	0.00	1.75	0.25	1.50	0.00	0.00	0.00	3.50	3.50
Session Total	0	0	16	1	10	0	0	0	27	27.00
Session Average	0.00	0.00	1.33	0.08	0.83	0.00	0.00	0.00	2.25	2.25

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.4: Left from Arm And Sword Lane to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	1	0	1	0	0	0	2	2.00
1615 - 1630	0	0	2	0	1	0	0	0	3	3.00
1630 - 1645	0	0	0	0	0	0	0	0	0	0.00
1645 - 1700	0	0	5	0	2	0	0	0	7	7.00
Hourly Total	0	0	8	0	4	0	0	0	12	12.00
Hourly Average	0.00	0.00	2.00	0.00	1.00	0.00	0.00	0.00	3.00	3.00
1700 - 1715	0	0	8	0	0	0	0	0	8	8.00
1715 - 1730	0	0	2	0	2	0	0	0	4	4.00
1730 - 1745	0	0	9	0	0	0	0	0	9	9.00
1745 - 1800	0	0	7	0	0	0	0	0	7	7.00
Hourly Total	0	0	26	0	2	0	0	0	28	28.00
Hourly Average	0.00	0.00	6.50	0.00	0.50	0.00	0.00	0.00	7.00	7.00
1800 - 1815	0	0	2	0	0	0	0	0	2	2.00
1815 - 1830	0	0	6	0	0	0	0	0	6	6.00
1830 - 1845	0	0	3	0	1	0	0	0	4	4.00
1845 - 1900	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	14	0	1	0	0	0	15	15.00
Hourly Average	0.00	0.00	3.50	0.00	0.25	0.00	0.00	0.00	3.75	3.75
Session Total	0	0	48	0	7	0	0	0	55	55.00
Session Average	0.00	0.00	4.00	0.00	0.58	0.00	0.00	0.00	4.58	4.58

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.6: Right from Arm And Sword Lane to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	0	0.00
0715 - 0730	0	0	1	0	0	0	0	0	1	1.00
0730 - 0745	0	0	1	0	1	0	0	0	2	2.00
0745 - 0800	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	6	0	1	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.50	0.00	0.25	0.00	0.00	0.00	1.75	1.75
0800 - 0815	0	0	1	0	1	0	0	0	2	2.00
0815 - 0830	0	0	0	0	0	0	0	0	0	0.00
0830 - 0845	0	0	1	0	0	0	0	0	1	1.00
0845 - 0900	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	3	0	1	0	0	0	4	4.00
Hourly Average	0.00	0.00	0.75	0.00	0.25	0.00	0.00	0.00	1.00	1.00
0900 - 0915	0	0	1	0	0	0	0	0	1	1.00
0915 - 0930	0	0	1	0	0	0	0	0	1	1.00
0930 - 0945	0	0	0	0	0	0	0	0	0	0.00
0945 - 1000	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	4	0	0	0	0	0	4	4.00
Hourly Average	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
Session Total	0	0	13	0	2	0	0	0	15	15.00
Session Average	0.00	0.00	1.08	0.00	0.17	0.00	0.00	0.00	1.25	1.25

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.6: Right from Arm And Sword Lane to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	1	0	0	0	0	0	1	1.00
1615 - 1630	0	0	3	0	0	0	0	0	3	3.00
1630 - 1645	0	0	1	0	1	0	0	0	2	2.00
1645 - 1700	0	0	1	0	1	0	0	0	2	2.00
Hourly Total	0	0	6	0	2	0	0	0	8	8.00
Hourly Average	0.00	0.00	1.50	0.00	0.50	0.00	0.00	0.00	2.00	2.00
1700 - 1715	0	0	2	0	0	0	0	0	2	2.00
1715 - 1730	0	0	2	0	0	0	0	0	2	2.00
1730 - 1745	0	0	11	0	0	0	0	0	11	11.00
1745 - 1800	0	0	5	0	1	0	0	0	6	6.00
Hourly Total	0	0	20	0	1	0	0	0	21	21.00
Hourly Average	0.00	0.00	5.00	0.00	0.25	0.00	0.00	0.00	5.25	5.25
1800 - 1815	0	0	3	0	0	0	0	0	3	3.00
1815 - 1830	0	0	0	0	0	0	0	0	0	0.00
1830 - 1845	0	0	3	0	0	0	0	0	3	3.00
1845 - 1900	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	10	0	0	0	0	0	10	10.00
Hourly Average	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	2.50	2.50
Session Total	0	0	36	0	3	0	0	0	39	39.00
Session Average	0.00	0.00	3.00	0.00	0.25	0.00	0.00	0.00	3.25	3.25

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.8: Northbound from A1000 Great North Road (South) to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	55	0	6	3	0	0	65	65.70
0715 - 0730	1	1	77	0	7	1	0	1	88	88.10
0730 - 0745	0	0	72	1	10	1	1	0	85	86.80
0745 - 0800	0	1	107	0	15	1	0	0	124	123.90
Hourly Total	2	2	311	1	38	6	1	1	362	364.50
Hourly Average	0.50	0.50	77.75	0.25	9.50	1.50	0.25	0.25	90.50	91.13
0800 - 0815	0	0	102	0	11	1	0	0	114	114.50
0815 - 0830	0	0	109	0	10	1	0	0	120	120.50
0830 - 0845	0	2	112	0	7	2	1	1	125	127.10
0845 - 0900	0	1	112	3	11	4	0	0	131	132.40
Hourly Total	0	3	435	3	39	8	1	1	490	494.50
Hourly Average	0.00	0.75	108.75	0.75	9.75	2.00	0.25	0.25	122.50	123.63
0900 - 0915	1	1	86	0	11	6	2	0	107	111.20
0915 - 0930	0	0	80	1	7	2	3	0	93	97.90
0930 - 0945	0	0	57	0	15	4	3	0	79	84.90
0945 - 1000	0	0	52	0	10	3	0	2	67	70.50
Hourly Total	1	1	275	1	43	15	8	2	346	364.50
Hourly Average	0.25	0.25	68.75	0.25	10.75	3.75	2.00	0.50	86.50	91.13
Session Total	3	6	1021	5	120	29	10	4	1198	1223.50
Session Average	0.25	0.50	85.08	0.42	10.00	2.42	0.83	0.33	99.83	101.96

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.8: Northbound from A1000 Great North Road (South) to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	71	0	14	3	1	0	89	91.80
1615 - 1630	0	0	90	0	14	1	1	0	106	107.80
1630 - 1645	1	1	110	1	17	2	1	1	134	135.90
1645 - 1700	1	0	87	0	15	3	0	0	106	106.70
Hourly Total	2	1	358	1	60	9	3	1	435	442.20
Hourly Average	0.50	0.25	89.50	0.25	15.00	2.25	0.75	0.25	108.75	110.55
1700 - 1715	0	2	110	2	7	0	1	1	123	124.10
1715 - 1730	0	2	122	2	14	1	0	0	141	140.30
1730 - 1745	0	1	107	1	11	1	0	1	122	122.90
1745 - 1800	0	0	106	0	5	1	0	0	112	112.50
Hourly Total	0	5	445	5	37	3	1	2	498	499.80
Hourly Average	0.00	1.25	111.25	1.25	9.25	0.75	0.25	0.50	124.50	124.95
1800 - 1815	0	1	100	0	10	1	0	1	113	113.90
1815 - 1830	0	0	102	0	5	0	0	1	108	109.00
1830 - 1845	0	0	76	0	5	1	0	2	84	86.50
1845 - 1900	0	0	72	1	6	1	0	1	81	82.50
Hourly Total	0	1	350	1	26	3	0	5	386	391.90
Hourly Average	0.00	0.25	87.50	0.25	6.50	0.75	0.00	1.25	96.50	97.98
Session Total	2	7	1153	7	123	15	4	8	1319	1333.90
Session Average	0.17	0.58	96.08	0.58	10.25	1.25	0.33	0.67	109.92	111.16

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.9: Right from A1000 Great North Road (South) to Arm And Sword Lane								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	2	0	2	0	0	0	4	4.00
0715 - 0730	0	0	3	0	0	0	0	0	3	3.00
0730 - 0745	0	0	2	0	1	0	0	0	3	3.00
0745 - 0800	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	9	0	4	0	0	0	13	13.00
Hourly Average	0.00	0.00	2.25	0.00	1.00	0.00	0.00	0.00	3.25	3.25
0800 - 0815	0	0	3	0	2	0	0	0	5	5.00
0815 - 0830	0	0	2	0	0	0	0	0	2	2.00
0830 - 0845	0	0	1	0	0	0	0	0	1	1.00
0845 - 0900	0	0	8	0	0	0	0	0	8	8.00
Hourly Total	0	0	14	0	2	0	0	0	16	16.00
Hourly Average	0.00	0.00	3.50	0.00	0.50	0.00	0.00	0.00	4.00	4.00
0900 - 0915	0	0	1	0	1	0	0	0	2	2.00
0915 - 0930	0	0	4	0	0	0	0	0	4	4.00
0930 - 0945	0	0	4	0	2	1	0	0	7	7.50
0945 - 1000	0	0	5	0	3	0	0	0	8	8.00
Hourly Total	0	0	14	0	6	1	0	0	21	21.50
Hourly Average	0.00	0.00	3.50	0.00	1.50	0.25	0.00	0.00	5.25	5.38
Session Total	0	0	37	0	12	1	0	0	50	50.50
Session Average	0.00	0.00	3.08	0.00	1.00	0.08	0.00	0.00	4.17	4.21

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.9: Right from A1000 Great North Road (South) to Arm And Sword Lane								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	1	0	1	0	0	0	2	2.00
1615 - 1630	0	0	0	0	0	0	0	0	0	0.00
1630 - 1645	0	0	3	0	0	0	0	0	3	3.00
1645 - 1700	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	6	0	2	0	0	0	8	8.00
Hourly Average	0.00	0.00	1.50	0.00	0.50	0.00	0.00	0.00	2.00	2.00
1700 - 1715	0	0	8	0	1	0	0	0	9	9.00
1715 - 1730	0	0	1	0	3	0	0	0	4	4.00
1730 - 1745	0	0	2	0	0	0	0	0	2	2.00
1745 - 1800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	12	0	4	0	0	0	16	16.00
Hourly Average	0.00	0.00	3.00	0.00	1.00	0.00	0.00	0.00	4.00	4.00
1800 - 1815	0	0	0	0	0	0	0	0	0	0.00
1815 - 1830	0	0	2	0	0	0	0	0	2	2.00
1830 - 1845	0	0	3	0	0	0	0	0	3	3.00
1845 - 1900	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	7	0	0	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	1.75	1.75
Session Total	0	0	25	0	6	0	0	0	31	31.00
Session Average	0.00	0.00	2.08	0.00	0.50	0.00	0.00	0.00	2.58	2.58

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.10: Left from Hatfield Station Access to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	4	4	8.00
0715 - 0730	0	0	0	0	0	0	0	3	3	6.00
0730 - 0745	0	0	0	0	0	0	0	3	3	6.00
0745 - 0800	0	0	2	0	0	0	0	1	3	4.00
Hourly Total	0	0	2	0	0	0	0	11	13	24.00
Hourly Average	0.00	0.00	0.50	0.00	0.00	0.00	0.00	2.75	3.25	6.00
0800 - 0815	0	0	0	0	0	0	0	2	2	4.00
0815 - 0830	0	0	0	0	0	0	0	3	3	6.00
0830 - 0845	0	0	0	0	0	0	0	1	1	2.00
0845 - 0900	0	0	0	0	0	0	0	2	2	4.00
Hourly Total	0	0	0	0	0	0	0	8	8	16.00
Hourly Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	4.00
0900 - 0915	0	0	1	1	0	0	0	1	3	4.00
0915 - 0930	0	0	0	0	0	0	0	2	2	4.00
0930 - 0945	0	0	0	0	0	0	0	3	3	6.00
0945 - 1000	0	0	0	1	0	0	0	1	2	3.00
Hourly Total	0	0	1	2	0	0	0	7	10	17.00
Hourly Average	0.00	0.00	0.25	0.50	0.00	0.00	0.00	1.75	2.50	4.25
Session Total	0	0	3	2	0	0	0	26	31	57.00
Session Average	0.00	0.00	0.25	0.17	0.00	0.00	0.00	2.17	2.58	4.75

Date
Tuesday 05 October 2021

Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.10: Left from Hatfield Station Access to A1000 Great North Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	0	0	0	0	0	3	3	6.00
1615 - 1630	0	0	0	1	0	0	0	2	3	5.00
1630 - 1645	0	0	0	0	0	0	0	4	4	8.00
1645 - 1700	0	0	0	1	0	0	0	1	2	3.00
Hourly Total	0	0	0	2	0	0	0	10	12	22.00
Hourly Average	0.00	0.00	0.00	0.50	0.00	0.00	0.00	2.50	3.00	5.50
1700 - 1715	0	0	0	0	0	0	0	3	3	6.00
1715 - 1730	0	0	1	0	0	0	0	0	1	1.00
1730 - 1745	0	0	0	0	0	0	0	4	4	8.00
1745 - 1800	0	0	0	0	0	0	0	2	2	4.00
Hourly Total	0	0	1	0	0	0	0	9	10	19.00
Hourly Average	0.00	0.00	0.25	0.00	0.00	0.00	0.00	2.25	2.50	4.75
1800 - 1815	0	0	1	1	0	0	0	2	4	6.00
1815 - 1830	0	0	0	2	0	0	0	2	4	6.00
1830 - 1845	0	0	1	0	0	0	0	1	2	3.00
1845 - 1900	0	0	1	1	0	0	0	3	5	8.00
Hourly Total	0	0	3	4	0	0	0	8	15	23.00
Hourly Average	0.00	0.00	0.75	1.00	0.00	0.00	0.00	2.00	3.75	5.75
Session Total	0	0	4	6	0	0	0	27	37	64.00
Session Average	0.00	0.00	0.33	0.50	0.00	0.00	0.00	2.25	3.08	5.33

Hatfield, Hertfordshire
Classified Junction Count

Site 1 of 1
A1000 Great North Road (North)
Arm And Sword Lane
A1000 Great North Road (South)
Hatfield Station Access

Lat/Long
lat 51.763656° lon -0.214966°

Date
Tuesday 05 October 2021

Weather
Cloudy
Temp: 11°C

0700 - 1000 (Weekday AM Peak)

TIME	Movement 1.12: Right from Hatfield Station Access to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	1	0	0	0	0	2	3	5.00
0715 - 0730	0	0	0	2	0	0	0	3	5	8.00
0730 - 0745	0	0	1	2	0	0	0	4	7	11.00
0745 - 0800	0	0	1	3	0	0	0	3	7	10.00
Hourly Total	0	0	3	7	0	0	0	12	22	34.00
Hourly Average	0.00	0.00	0.75	1.75	0.00	0.00	0.00	3.00	5.50	8.50
0800 - 0815	0	0	0	1	0	0	0	4	5	9.00
0815 - 0830	0	0	2	2	0	0	0	1	5	6.00
0830 - 0845	0	0	0	1	0	0	0	4	5	9.00
0845 - 0900	0	0	3	2	0	0	0	3	8	11.00
Hourly Total	0	0	5	6	0	0	0	12	23	35.00
Hourly Average	0.00	0.00	1.25	1.50	0.00	0.00	0.00	3.00	5.75	8.75
0900 - 0915	0	0	0	2	1	0	0	3	6	9.00
0915 - 0930	2	0	0	3	0	0	0	0	5	3.40
0930 - 0945	0	0	0	2	0	0	0	8	10	18.00
0945 - 1000	0	0	0	1	1	0	0	2	4	6.00
Hourly Total	2	0	0	8	2	0	0	13	25	36.40
Hourly Average	0.50	0.00	0.00	2.00	0.50	0.00	0.00	3.25	6.25	9.10
Session Total	2	0	8	21	2	0	0	37	70	105.40
Session Average	0.17	0.00	0.67	1.75	0.17	0.00	0.00	3.08	5.83	8.78

Date
Tuesday 05 October 2021

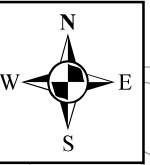
Weather
Sunny Intervals
Temp: 13°C

1600 - 1900 (Weekday PM Peak)

TIME	Movement 1.12: Right from Hatfield Station Access to A1000 Great North Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
1600 - 1615	0	0	1	1	1	0	0	1	4	5.00
1615 - 1630	0	0	1	1	2	0	0	6	10	16.00
1630 - 1645	0	0	2	1	2	0	0	5	10	15.00
1645 - 1700	0	0	0	2	3	0	0	2	7	9.00
Hourly Total	0	0	4	5	8	0	0	14	31	45.00
Hourly Average	0.00	0.00	1.00	1.25	2.00	0.00	0.00	3.50	7.75	11.25
1700 - 1715	0	0	3	0	2	0	0	2	7	9.00
1715 - 1730	0	0	1	3	2	0	0	4	10	14.00
1730 - 1745	0	0	2	0	2	0	0	4	8	12.00
1745 - 1800	1	0	4	3	3	0	0	2	13	14.20
Hourly Total	1	0	10	6	9	0	0	12	38	49.20
Hourly Average	0.25	0.00	2.50	1.50	2.25	0.00	0.00	3.00	9.50	12.30
1800 - 1815	0	0	1	2	1	0	0	2	6	8.00
1815 - 1830	0	0	3	0	1	0	0	5	9	14.00
1830 - 1845	0	0	1	1	0	0	0	4	6	10.00
1845 - 1900	0	0	2	1	0	0	0	3	6	9.00
Hourly Total	0	0	7	4	2	0	0	14	27	41.00
Hourly Average	0.00	0.00	1.75	1.00	0.50	0.00	0.00	3.50	6.75	10.25
Session Total	1	0	21	15	19	0	0	40	96	135.20
Session Average	0.08	0.00	1.75	1.25	1.58	0.00	0.00	3.33	8.00	11.27

Appendix E – Accident Data

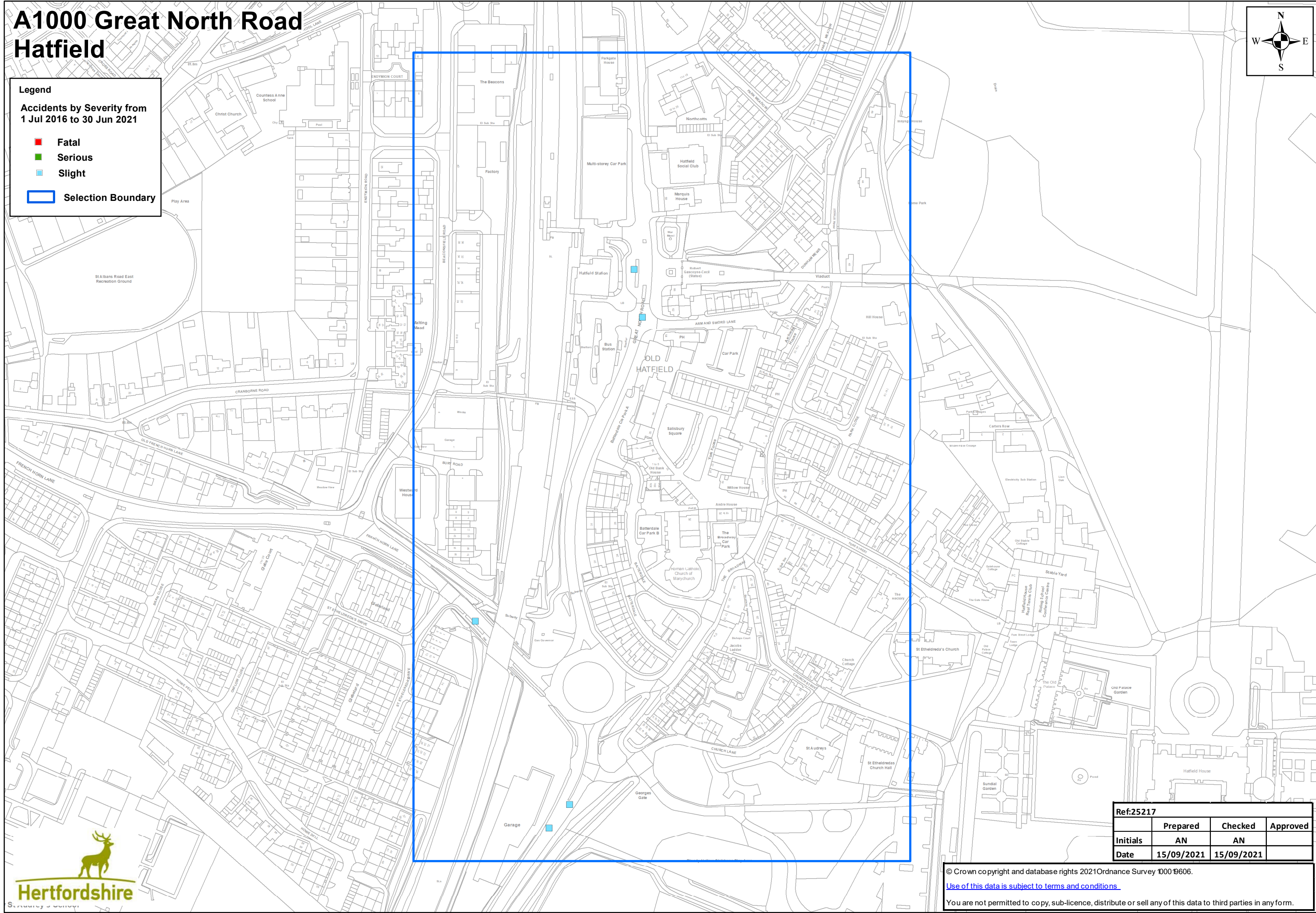
A1000 Great North Road Hatfield



Legend

Accidents by Severity from
1 Jul 2016 to 30 Jun 2021

- Fatal
- Serious
- Slight
- Selection Boundary



Ref:25217			
	Prepared	Checked	Approved
Initials	AN	AN	S
Date	15/09/2021	15/09/2021	



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Full Non Confidential Accident Report

Date Produced: 15-Sep-21

Set Name (if saved) : 25217

Set Total : 5

Accident Details:

Acc Ref:	2019-410864395	1st / 2nd Rd:	B197/10 NONE	Jun Detail:	Notjunct	Weather:	Fine	Num Cas:	1
Day of Week:	Mon	Parish:		Jun Control:	Notjunct	Light:	Day	Num Peds:	0
Date:	08/07/2019 11:00:00	District:	WelHat	Spec Conditions:	None	Road Surface:	Dry	Num Vehicles:	3
Acc Severity:	Slight	Speed Limit:	30mph	C/way Hazard:	None	C/way Type:	Single	Ped Xing:	Npernox
B197 French Horn Lane Hatfield Approx 30m Se J/w U1355 St Etheldredas Drive								On Site:	Yes
Easting:	523162	Northing:	208506						

Casualty Details

Acc Ref:	2019-410864395	Cas Class:	Driver	Car Passenger:	No	Cas Severity:	Slight	Ped Movement:	Notped
Veh Ref:	1	Cas Age:	64	PSV Passenger:	No	Road User Class:	Car Users	Ped Location:	Notped
Cas Ref:	1	Cas Gender:	Female	Seat Belt:	Unknown	School Pupil:		Ped Work on Rd:	Notped

Vehicle Details

Acc Ref:	153119	Manoeuvre:	Parked	Skidding:	None	Impact Point:	Back	Driver Breath Test:	Notcon	Driver Age:	64
Veh Ref:	1	Location:	Carw	Object in Cway:	Parked	From:	P	Hit and Run:	Nothtrun		
Veh Type:	Car	Junction:	Notjunct	Object off Cway:	None	To:	P	Driver Gender:	Female		
Foreign Veh:		Towing:	None	velwey:	No	J Purpose:	Other	Driver Severity:	Slight		
Acc Ref:		Manoeuvre:	Ahead	Skidding:	None	Impact Point:	Front	Driver Breath Test:	Notcon	Driver Age:	22
Veh Ref:	2	Location:	Carw	Object in Cway:	Parked	From:	Se	Hit and Run:	Nothtrun		
Veh Type:	Car	Junction:	Notjunct	Object off Cway:	None	To:	Nw	Driver Gender:	Male		
Foreign Veh:		Towing:	None	velwey:	No	J Purpose:	Work	Driver Severity:	None		
Acc Ref:		Manoeuvre:	Parked	Skidding:	None	Impact Point:	Back	Driver Breath Test:	Notcon	Driver Age:	
Veh Ref:	3	Location:	Carw	Object in Cway:	None	From:	P	Hit and Run:	Nothtrun		
Veh Type:	Car	Junction:	Notjunct	Object off Cway:	None	To:	P	Driver Gender:	Unknown		
Foreign Veh:		Towing:	None	velwey:	No	J Purpose:	Unknown	Driver Severity:	None		

Accident Details:

Acc Ref: 2019-410822803	1st / 2nd Rd: A1000/1 0U1804/	Jun Detail: T	Weather: Fine	Num Cas: 1
Day of Week: Wed	Parish:	Jun Control: Giveway	Light: Darklit	Num Peds: 0
Date: 13/02/2019 21:25:00	District: WelHat	Spec Conditions: None	Road Surface: Dry	Num Vehicles: 2
Acc Severity: Slight	Speed Limit: 30mph	C/way Hazard: None	C/way Type: Single	Ped Xing: Npercntr
A1000 Great North Road Hatfield J/w U1804 Arm And Sword Lane				On Site: Yes
Easting: 523284	Northing: 208728			

Casualty Details

Acc Ref: 2019-410822803	Cas Class: Driver	Car Passenger: No	Cas Severity: Slight	Ped Movement: Notped
Veh Ref: 2	Cas Age: 21	PSV Passenger: No	Road User Class: Motorcyclists	Ped Location: Notped
Cas Ref: 1	Cas Gender: Male	Seat Belt: Notapp	School Pupil:	Ped Work on Rd: Notped

Vehicle Details

Acc Ref: 152240	Manoeuvre: Turnrigh	Skidding: None	Impact Point: Offside	Driver Breath Test: Notreq	Driver Age: 43
Veh Ref: 1	Location: Carw	Object in Cway: None	From: S	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Lmain	Object off Cway: None	To: E	Driver Gender: Male	
Foreign Veh:	Towing: None	velewy: No	J Purpose: Other	Driver Severity: None	
<hr/>					
Acc Ref:	Manoeuvre: Otakemov	Skidding: None	Impact Point: Front	Driver Breath Test: Notreq	Driver Age: 21
Veh Ref: 2	Location: Carw	Object in Cway: None	From: S	Hit and Run: Nothtrun	
Veh Type: Mc<=125	Junction: Middle	Object off Cway: None	To: N	Driver Gender: Male	
Foreign Veh:	Towing: None	velewy: No	J Purpose: Other	Driver Severity: Slight	

Accident Details:

Acc Ref: 2018-410307137	1st / 2nd Rd: A1000/1 NONE	Jun Detail: Entrance	Weather: Fine	Num Cas: 2
Day of Week: Tue	Parish:	Jun Control: Giveway	Light: Darklit	Num Peds: 0
Date: 29/05/2018 20:54:00	District: WelHat	Spec Conditions: None	Road Surface: Dry	Num Vehicles: 2
Acc Severity: Slight	Speed Limit: 30mph	C/way Hazard: None	C/way Type: Single	Ped Xing: Npernox
A1000 Great North Road At Exit From Hatfield Train Station & Approx 35m South J/w U1804 Arm & Sword Lane				On Site: Yes
Easting: 523278	Northing: 208763			

Casualty Details

Acc Ref: 2018-410307137	Cas Class: Driver	Car Passenger: No	Cas Severity: Slight	Ped Movement: Notped
Veh Ref: 2	Cas Age: 24	PSV Passenger: No	Road User Class: Car Users	Ped Location: Notped
Cas Ref: 1	Cas Gender: Male	Seat Belt: Unknown	School Pupil:	Ped Work on Rd: Notped
<hr/>				
Acc Ref: 2018-410307137	Cas Class: Passenge	Car Passenger: Frontsea	Cas Severity: Slight	Ped Movement: Notped
Veh Ref: 2	Cas Age: 33	PSV Passenger: No	Road User Class: Car Users	Ped Location: Notped
Cas Ref: 2	Cas Gender: Female	Seat Belt: Unknown	School Pupil:	Ped Work on Rd: Notped

Vehicle Details

Acc Ref: 150972	Manoeuvre: Starting	Skidding: None	Impact Point: Front	Driver Breath Test: Notreq	Driver Age: 51
Veh Ref: 1	Location: Carw	Object in Cway: None	From: E	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Emain	Object off Cway None	To: W	Driver Gender: Male	
Foreign Veh:	Towing; None	velwy No	J Purpose: Unknown	Driver Severity: None	
<hr/>					
Acc Ref:	Manoeuvre: Ahead	Skidding: None	Impact Point: Nearside	Driver Breath Test: Notreq	Driver Age: 24
Veh Ref: 2	Location: Carw	Object in Cway: None	From: S	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Middle	Object off Cway None	To: N	Driver Gender: Male	
Foreign Veh:	Towing; None	velwy No	J Purpose: Unknown	Driver Severity: Slight	

Accident Details:

Acc Ref: 2017-410201286	1st / 2nd Rd: A1000/1 NONE	Jun Detail: Notjunct	Weather: Rain	Num Cas: 1
Day of Week: Tue	Parish:	Jun Control: Notjunct	Light: Darklit	Num Peds: 0
Date: 11/07/2017 23:00:00	District: WelHat	Spec Conditions: None	Road Surface: Wet	Num Vehicles: 2
Acc Severity: Slight	Speed Limit: 30mph	C/way Hazard: None	C/way Type: Single	Ped Xing: Npernox
A1000 Great North Road Hatfield Approx 30m South J/w U164 Church Lane				On Site: Yes
Eastings: 523231	Northing: 208372			

Casualty Details

Acc Ref: 2017-410201286	Cas Class: Driver	Car Passenger: No	Cas Severity: Slight	Ped Movement: Notped
Veh Ref: 1	Cas Age: 45	PSV Passenger: No	Road User Class: Car Users	Ped Location: Notped
Cas Ref: 1	Cas Gender: Male	Seat Belt: Wornnot	School Pupil:	Ped Work on Rd: Notped

Vehicle Details

Acc Ref: 148983	Manoeuvre: Uturn	Skidding: None	Impact Point: Offside	Driver Breath Test: Notreq	Driver Age: 45
Veh Ref: 1	Location: Carw	Object in Cway: None	From: N	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Notjunct	Object off Cway: None	To: N	Driver Gender: Male	
Foreign Veh:	Towing: None	velewy: No	J Purpose: Tofrowrk	Driver Severity: Slight	
<hr/>					
Acc Ref:	Manoeuvre: Otakemov	Skidding: None	Impact Point: Front	Driver Breath Test: Notreq	Driver Age: 50
Veh Ref: 2	Location: Carw	Object in Cway: None	From: N	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Notjunct	Object off Cway: None	To: S	Driver Gender: Male	
Foreign Veh:	Towing: None	velewy: No	J Purpose: Tofrowrk	Driver Severity: None	

Accident Details:

Acc Ref: 2017-410148021	1st / 2nd Rd: A1000/1 NONE	Jun Detail: Notjunct	Weather: Snow	Num Cas: 1
Day of Week: Thu	Parish:	Jun Control: Notjunct	Light: Darklit	Num Peds: 0
Date: 12/01/2017 17:25:00	District: WelHat	Spec Conditions: None	Road Surface: Wet	Num Vehicles: 2
Acc Severity: Slight	Speed Limit: 60mph	C/way Hazard: None	C/way Type: Single	Ped Xing: Npernox
A1000 Great North Road Hatfield Approx 90m Sw J/w A1000 French Horn Lane Rbt				On Site: Yes
Easting: 523216	Northing: 208355			

Casualty Details

Acc Ref: 2017-410148021	Cas Class: Driver	Car Passenger: No	Cas Severity: Slight	Ped Movement: Notped
Veh Ref: 2	Cas Age: 33	PSV Passenger: No	Road User Class: Motorcyclists	Ped Location: Notped
Cas Ref: 1	Cas Gender: Male	Seat Belt: Notapp	School Pupil:	Ped Work on Rd: Notped

Vehicle Details

Acc Ref: 148242	Manoeuvre: Uturn	Skidding: None	Impact Point: Offside	Driver Breath Test: Negati	Driver Age: 30
Veh Ref: 1	Location: Carw	Object in Cway: None	From: Sw	Hit and Run: Nothtrun	
Veh Type: Car	Junction: Notjunct	Object off Cway None	To: Sw	Driver Gender: Female	
Foreign Veh:	Towing; None	velewy No	J Purpose: Other	Driver Severity: None	
<hr/>					
Acc Ref:	Manoeuvre: Otakemov	Skidding: Skidded	Impact Point: Front	Driver Breath Test: Negati	Driver Age: 33
Veh Ref: 2	Location: Carw	Object in Cway: None	From: Sw	Hit and Run: Nothtrun	
Veh Type: Mc<=125	Junction: Notjunct	Object off Cway None	To: Ne	Driver Gender: Male	
Foreign Veh:	Towing; None	velewy No	J Purpose: Other	Driver Severity: Slight	

Appendix F – TRICS® Outputs

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : I - SHOPPING CENTRE - LOCAL SHOPS
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST EX ESSEX	1 days
03	SOUTH WEST BR BRISTOL CITY	1 days
05	EAST MIDLANDS LE LEICESTERSHIRE	1 days
06	WEST MIDLANDS SH SHROPSHIRE	1 days
	WM WEST MIDLANDS	1 days
09	NORTH TV TEES VALLEY	1 days
11	SCOTLAND SR STIRLING	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 375 to 900 (units: sqm)
 Range Selected by User: 210 to 900 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 08/07/16

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Tuesday	3 days
Thursday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

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

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	6
Retail Zone	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

n/a 7 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

5,001 to 10,000 2 days
20,001 to 25,000 4 days
25,001 to 50,000 1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

75,001 to 100,000 2 days
100,001 to 125,000 1 days
125,001 to 250,000 1 days
250,001 to 500,000 2 days
500,001 or More 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 1 days
1.1 to 1.5 6 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Petrol filling station:

Included in the survey count 0 days
Excluded from count or no filling station 7 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Yes 1 days
No 6 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 7 days

This data displays the number of selected surveys with PTAL Ratings.

TRIP RATE for Land Use 01 - RETAIL/I - SHOPPING CENTRE - LOCAL SHOPS

TOTAL 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	7	597	8.110	7	597	7.751	7	597	15.861
08:00 - 09:00	7	597	8.278	7	597	8.134	7	597	16.412
09:00 - 10:00	7	597	8.038	7	597	7.967	7	597	16.005
10:00 - 11:00	7	597	8.062	7	597	7.775	7	597	15.837
11:00 - 12:00	7	597	8.301	7	597	8.469	7	597	16.770
12:00 - 13:00	7	597	10.957	7	597	10.215	7	597	21.172
13:00 - 14:00	7	597	9.689	7	597	9.522	7	597	19.211
14:00 - 15:00	7	597	8.134	7	597	8.230	7	597	16.364
15:00 - 16:00	7	597	8.541	7	597	9.091	7	597	17.632
16:00 - 17:00	7	597	10.072	7	597	9.474	7	597	19.546
17:00 - 18:00	7	597	10.383	7	597	10.789	7	597	21.172
18:00 - 19:00	7	597	9.665	7	597	10.000	7	597	19.665
19:00 - 20:00	7	597	9.211	7	597	8.756	7	597	17.967
20:00 - 21:00	7	597	5.742	7	597	6.388	7	597	12.130
21:00 - 22:00	7	597	3.684	7	597	4.426	7	597	8.110
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			126.867			126.987			253.854

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected:	375 - 900 (units: sqm)
Survey date range:	01/01/13 - 08/07/16
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Calculation Reference: AUDIT-100314-211003-1035

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : K - MIXED PRIV HOUS (FLATS AND HOUSES)
 TOTAL VEHICLES

Selected regions and areas:

06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
10	WALES	
	CO CONWY	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: No of Dwellings
 Actual Range: 15 to 28 (units:)
 Range Selected by User: 15 to 60 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 27/03/18

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	3 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

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

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	3
------------------	---

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

C3 3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

10,001 to 15,000 1 days
15,001 to 20,000 1 days
25,001 to 50,000 1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000 1 days
50,001 to 75,000 1 days
250,001 to 500,000 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 2 days
1.1 to 1.5 1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No 3 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 3 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CB-03-K-02 NATLAND ROAD KENDAL	SEMI -DETACHED & FLATS	CUMBRIA
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 15 <i>Survey date: TUESDAY 21/06/16</i>		
	<i>Survey Type: MANUAL</i>		
2	CO-03-K-01 LIDDELL DRIVE LLANDUDNO	MIXED HOUSES & FLATS	CONWY
	Edge of Town Residential Zone Total No of Dwellings: 15 <i>Survey date: TUESDAY 27/03/18</i>		
	<i>Survey Type: MANUAL</i>		
3	ST-03-K-03 CLAREMONT ROAD WOLVERHAMPTON	MIXED HOUSING & FLATS	STAFFORDSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 28 <i>Survey date: FRIDAY 09/05/14</i>		
	<i>Survey Type: MANUAL</i>		

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

TRIP RATE for Land Use 03 - RESIDENTIAL/K - MIXED PRIV HOUS (FLATS AND HOUSES)

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	19	0.069	3	19	0.086	3	19	0.155
08:00 - 09:00	3	19	0.052	3	19	0.138	3	19	0.190
09:00 - 10:00	3	19	0.103	3	19	0.121	3	19	0.224
10:00 - 11:00	3	19	0.121	3	19	0.086	3	19	0.207
11:00 - 12:00	3	19	0.190	3	19	0.155	3	19	0.345
12:00 - 13:00	3	19	0.155	3	19	0.207	3	19	0.362
13:00 - 14:00	3	19	0.086	3	19	0.086	3	19	0.172
14:00 - 15:00	3	19	0.138	3	19	0.121	3	19	0.259
15:00 - 16:00	3	19	0.138	3	19	0.103	3	19	0.241
16:00 - 17:00	3	19	0.138	3	19	0.155	3	19	0.293
17:00 - 18:00	3	19	0.172	3	19	0.121	3	19	0.293
18:00 - 19:00	3	19	0.121	3	19	0.155	3	19	0.276
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.483			1.534			3.017

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected: 15 - 28 (units:)
Survey date date range: 01/01/13 - 27/03/18
Number of weekdays (Monday-Friday): 3
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 0
Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	HF HERTFORDSHIRE	1 days
04	EAST ANGLIA	
	NF NORFOLK	2 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
10	WALES	
	BG BRIDGEND	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 178 to 925 (units: sqm)
 Range Selected by User: 178 to 1000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 06/05/21

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Tuesday	1 days
Wednesday	4 days
Thursday	2 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	9 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Edge of Town Centre	6
Suburban Area (PPS6 Out of Centre)	2
Edge of Town	1

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Industrial Zone	2
Commercial Zone	2
Residential Zone	2
Built-Up Zone	2
No Sub Category	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

Not Known 9 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS@.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

15,001 to 20,000 3 days
20,001 to 25,000 2 days
25,001 to 50,000 4 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000 1 days
75,001 to 100,000 3 days
100,001 to 125,000 1 days
125,001 to 250,000 2 days
250,001 to 500,000 2 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 7 days
1.1 to 1.5 2 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes 1 days
No 8 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 9 days

This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions Yes At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions

LIST OF SITES relevant to selection parameters

1	BG-02-A-01 KENT ROAD BRIDGEND	HAULAGE COMPANY	BRIDGEND
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 300 sqm <i>Survey date: THURSDAY 06/05/21</i>		
	<i>Survey Type: MANUAL</i>		
2	CB-02-A-02 PORT ROAD CARLISLE	OFFICE	CUMBRIA
	Edge of Town Centre Industrial Zone Total Gross floor area: 925 sqm <i>Survey date: FRIDAY 24/06/16</i>		
	<i>Survey Type: MANUAL</i>		
3	DS-02-A-01 PRIME PARK WAY DERBY	REAL ESTATE DEVELOPERS	DERBYSHIRE
	Edge of Town Centre No Sub Category Total Gross floor area: 594 sqm <i>Survey date: WEDNESDAY 25/09/19</i>		
	<i>Survey Type: MANUAL</i>		
4	ES-02-A-11 THE SIDINGS HASTINGS ORE VALLEY	HOUSING COMPANY	EAST SUSSEX
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 186 sqm <i>Survey date: TUESDAY 17/11/15</i>		
	<i>Survey Type: MANUAL</i>		
5	ES-02-A-13 ROMAN ROAD HOVE	OFFICES	EAST SUSSEX
	Edge of Town Centre Residential Zone Total Gross floor area: 280 sqm <i>Survey date: WEDNESDAY 04/07/18</i>		
	<i>Survey Type: MANUAL</i>		
6	HF-02-A-03 60 VICTORIA STREET ST ALBANS	OFFICE	HERTFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Gross floor area: 610 sqm <i>Survey date: WEDNESDAY 16/10/13</i>		
	<i>Survey Type: MANUAL</i>		
7	NF-02-A-02 NORTH QUAY GREAT YARMOUTH	FINANCIAL PLANNERS	NORFOLK
	Edge of Town Centre Commercial Zone Total Gross floor area: 894 sqm <i>Survey date: MONDAY 11/09/17</i>		
	<i>Survey Type: MANUAL</i>		
8	NF-02-A-04 WHITING ROAD NORWICH	BUILDING CONSULTANT	NORFOLK
	Edge of Town Commercial Zone Total Gross floor area: 500 sqm <i>Survey date: WEDNESDAY 13/11/19</i>		
	<i>Survey Type: MANUAL</i>		

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

LIST OF SITES relevant to selection parameters (Cont.)

9	NY-02-A-01	SOLICITORS	NORTH YORKSHIRE
	NORTH PARK ROAD		
	HARROGATE		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	178 sqm	
	Survey date: THURSDAY	04/10/18	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

WSP GROUP STREET NAME TOWN/CITY

Licence No: 100314

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

TOTAL 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	8	536	0.909	8	536	0.093	8	536	1.002
08:00 - 09:00	9	496	2.865	9	496	0.313	9	496	3.178
09:00 - 10:00	9	496	1.343	9	496	0.828	9	496	2.171
10:00 - 11:00	9	496	0.582	9	496	0.537	9	496	1.119
11:00 - 12:00	9	496	0.403	9	496	0.582	9	496	0.985
12:00 - 13:00	9	496	0.672	9	496	1.164	9	496	1.836
13:00 - 14:00	9	496	0.963	9	496	0.761	9	496	1.724
14:00 - 15:00	9	496	0.560	9	496	0.604	9	496	1.164
15:00 - 16:00	9	496	0.291	9	496	0.582	9	496	0.873
16:00 - 17:00	9	496	0.425	9	496	1.007	9	496	1.432
17:00 - 18:00	9	496	0.560	9	496	2.798	9	496	3.358
18:00 - 19:00	8	536	0.280	8	536	0.746	8	536	1.026
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			9.853			10.015			19.868

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

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Parameter summary

Trip rate parameter range selected:	178 - 925 (units: sqm)
Survey date date range:	01/01/13 - 06/05/21
Number of weekdays (Monday-Friday):	9
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.