LAND OFF RUSSLEY GREEN, BAYDON, WILTSHIRE

TRANSPORT NOTE

1. Introduction

1.1. This Transport Note has been prepared by PFA Consulting on behalf of Hannick Homes & Developments Ltd in support of a planning application for a development comprising 9 dwellings on land off Russley Green, Baydon, Wiltshire.

1.2. The site is located on the northwest boundary of Baydon, as shown in **Figure 1.1**.

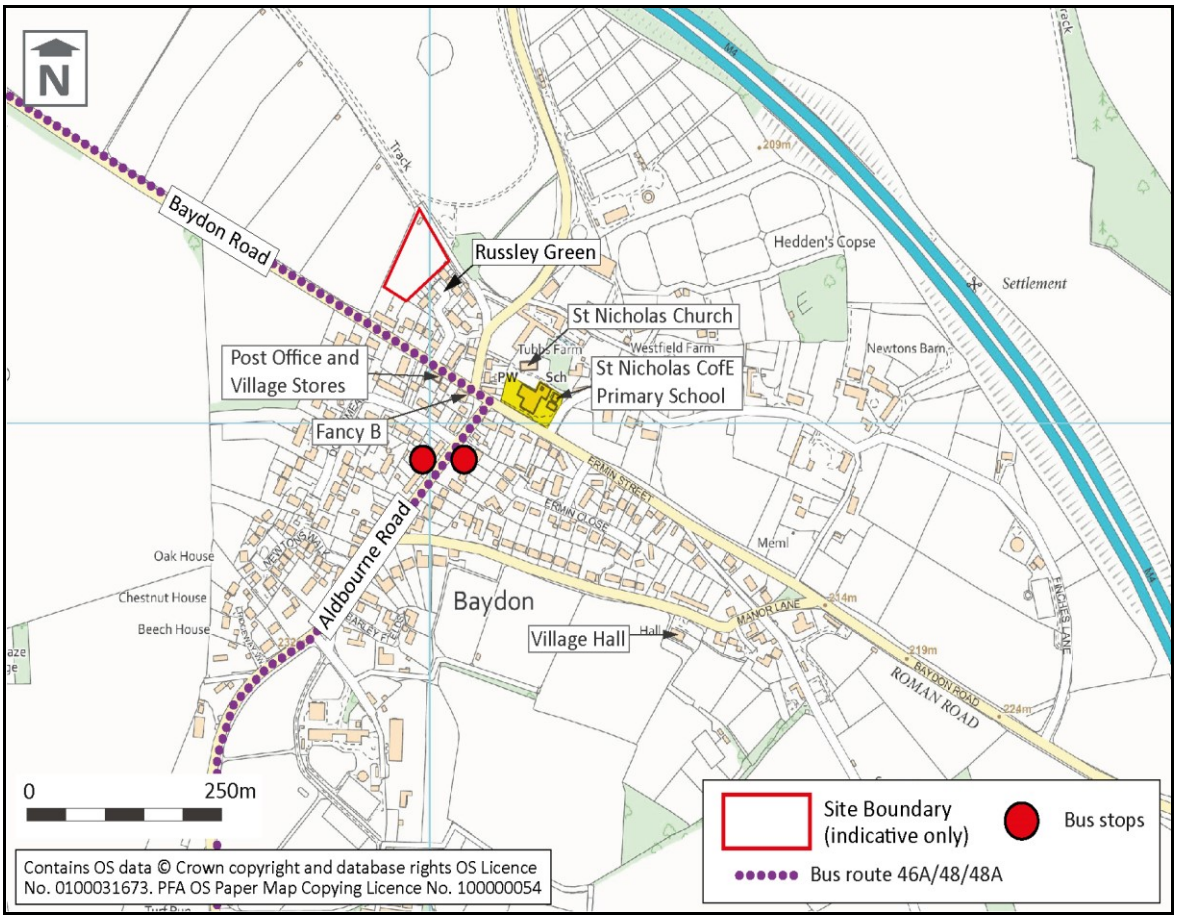

Figure 1.1: Site Context Plan

1.3. A copy of the site layout is reproduced at **Appendix A**.

Planning Policy

1.4. In respect of transport the NPPF states in paragraph 105 that:

> **"opportunities to maximise sustainable transport solutions will vary between urban and rural areas, and this should be taken into account in both plan-making and decision-making."**

1.5. The Wiltshire Core Strategy identifies Baydon as a 'Large Village' in the Marlborough Community Area.

2. Site Context

2.1. The site is located northwest of Russley Green, which has a carriageway width of approximately 4.7m and footways of approximately 1.8m to the east and 2m to the west. Russley Green continues into Fiveways Close, which connects with Baydon Road, which forms the main road through the centre of Baydon.

2.2. Russley Green/Fiveways Close predominantly has a footway on the western side, whilst Baydon Road has footways of varying widths to both sides.

2.3. The site is located circa 160m from the centre of Baydon, well within a recommended walking distance, with the following facilities available within the village:

- Baydon Toddler Group at Baydon Village Hall
- St Nicholas C of E Primary School
- Baydon Post Office and Village Store
- Fancy B Turkish Restaurant and Pub
- The Baydon Village Hall
- St Nicholas Church

2.4. The above facilities are shown on **Figure 1.1**, demonstrating opportunities exist to access existing local facilities within walking and cycling distances of the site.

Public Transport

2.5. The nearest bus stops to the site are the Downsmead bus stops located on Aldbourne Road, circa 300m walking distance. The bus stops are served by bus services 46A/48/48A between Swindon and Aldbourne/Marlborough, at a daytime frequency of 60-120 minutes.

2.6. In addition to timetabled bus services, local residents have access to the Aldbourne & Baydon Link Scheme, and The Ramsbury Flyer community bus services.

2.7. The site can be seen to have access to existing local bus services, providing opportunities for bus travel to/from the site.

3. Site Access Arrangements

3.1. The site is currently accessed via a field access from Russley Green via the residential development, as shown in **Photograph 3.1**.



Photograph 3.1: Existing Access to Site

3.2. Hannick Home & Developments Ltd retain rights to gain access from the Russley Green residential estate road.

3.3. PFA drawing H672/03 Rev A at **Appendix B** shows the proposed site access arrangements to the site. This shows an extension of the existing 4.8m carriageway and footway on the southern side of the carriageway into the site, after which continuing as a 4.8m shared surface with 2m service strip to provide the means of access to the site.

4. Trip Generation

4.1. Trip generation has been estimated for the proposed development using the TRICS Version 7.10.2 database for comparable sites within Great Britain, excluding Greater London, from the 'Houses Privately Owned' dataset. The TRICS output report is provided at **Appendix C**.

4.2. **Table 4.1** sets out total trip rates derived from TRICS for both the weekday AM peak hour 08:00-09:00, and weekday PM peak hour 17:00-18:00 time periods.

Table 4.1: TRICS Total Trip Rates – Privately Owned Housing (trips per dwelling)

Time Period	Arrivals	Departures	Total
AM Peak Hour (08:00-09:00)	0.272	0.717	0.989
PM Peak Hour (17:00-18:00)	0.528	0.228	0.756

4.3. Applying the above trip rates to the proposed development of 9 dwellings provides estimates of the likely total trip generation for the weekday AM and PM peak hours, as set out in **Table 4.2** below.

Table 4.2: Total Trip Generation of Proposed Development (9 Dwellings)

Time Period	Arrivals	Departures	Total
AM Peak Hour (08:00-09:00)	2	6	9
PM Peak Hour (17:00-18:00)	5	2	7

Note: Values rounded to nearest whole number

4.4. The development proposals are forecast to generate 7 to 9 trips during the weekday peak hours. The majority of these trips will be vehicle trips (see below), with the remainder being pedestrian trips with a small number of vehicle passengers.

Vehicle Trip Generation

4.5. **Table 4.3** sets out vehicular trip rates derived from TRICS for both the weekday AM and PM peak hours; with the resultant vehicle trip generation for the proposed 9 dwellings shown in **Table 4.4**. This represents approx. one vehicle movement to/from the site every 12 minutes at peak times.

Table 4.3: TRICS Vehicular Trip Rates – Privately Owned Housing (trips per dwelling)

Time Period	Arrivals	Departures	Total
AM Peak Hour (08:00-09:00)	0.183	0.317	0.500
PM Peak Hour (17:00-18:00)	0.344	0.156	0.500

Table 4.4: Vehicle Generation of Proposed Development (9 Dwellings)

Time Period	Arrivals	Departures	Total
AM Peak Hour (08:00-09:00)	2	3	5
PM Peak Hour (17:00-18:00)	3	2	5

Note: Values rounded to nearest whole number

5. Conclusion

5.1. This Transport Note has demonstrated that safe and suitable access can be achieved for all users, with opportunities available for sustainable travel when considering the site's rural location. Traffic generated from the proposed development would not have a 'severe' impact on the operation and safety of the surrounding local highway network, in the context of paragraph 111 of the NPPF.

APPENDICES

Appendix A ***Site Layout***

Appendix B ***PFA Drawing H672/03 Rev A – Proposed Site Access Arrangements***

Appendix C ***TRICS Output – Houses Privately Owned***

Appendices

Appendix A

A4



Sketch Layout Plan

Scale 1:500 @ A4

Rev B:	Layout adjusted to reflect pre-existing footpath.	ST	20/09/23
Rev B:	Highway adjusted to incorporate shared surfaces	ST	14/09/23
Rev A:	Visitor parking identified Verge identified Roof line amended - plots 1/2 & 6/7 Plot 5 identified as 3 bed Plot 3 identified as 4 bed	ST	9/08/23

CLIENT

HANNICK HOMES

PLANNING

PROJECT TITLE

LAND OFF RUSSLEY GREEN, BAYDON

DRAWING TITLE

SKETCH LAYOUT PLAN

PROJECT NO.	DWG NO.	REVISION	STATUS
	001	.C	
SCALE	DRAWN	CHECKED	DATE
1:500@A4	ST		20/09/2023

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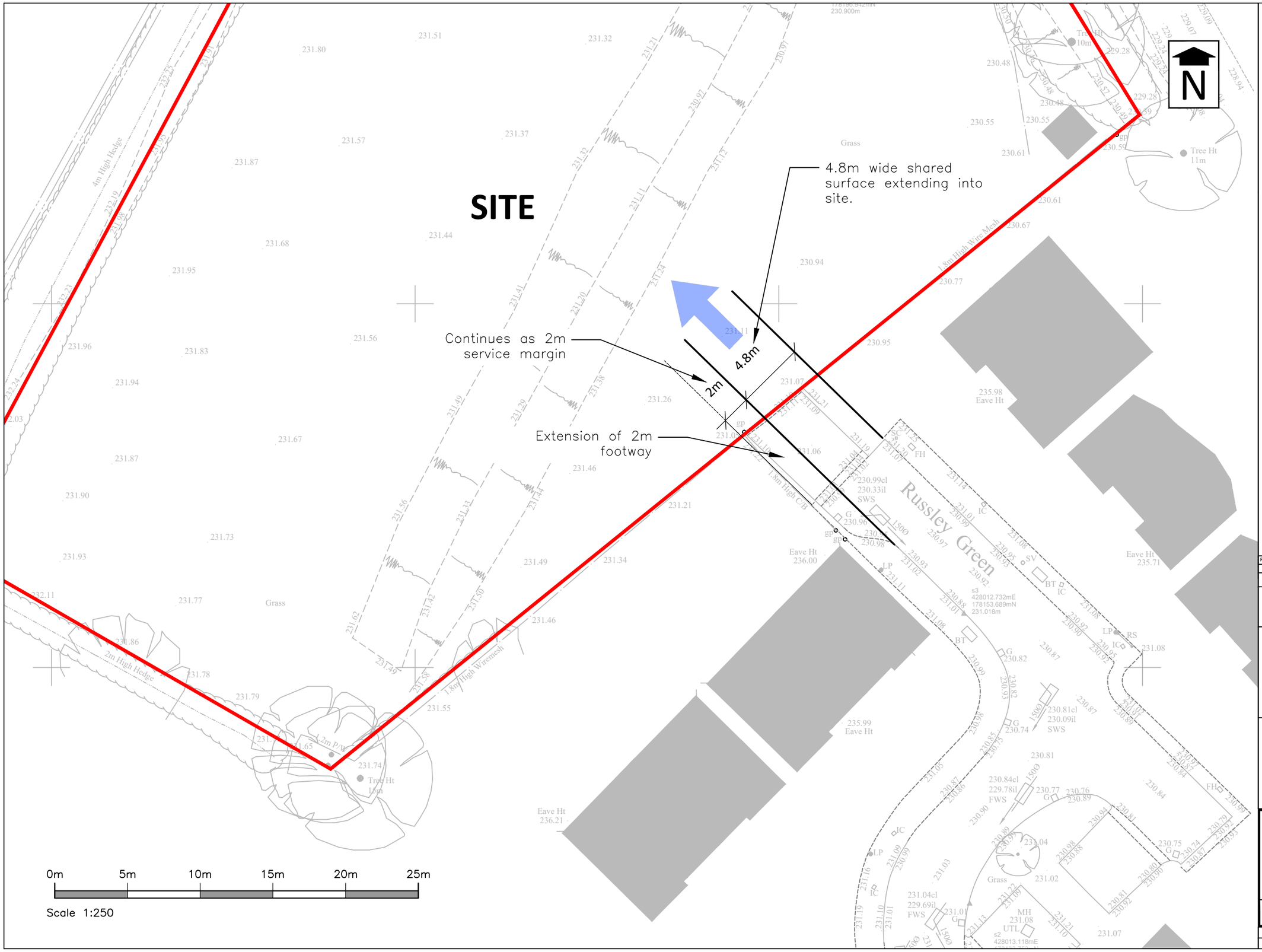
Appendix B



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NOTES

1. Plan based on Topographical Survey produced by Building Design Surveys drawing no. BDS 12–20

KEY

Site boundary (indicative only)

Rev	Date	Description	Drawn	Check
#	04/07/23	First Issue.	TLH	PK
A	07/09/23	Extended shared surfaces and service margin further into site	RW	PK

Status

FOR INFORMATION

Client

Hannick Homes

Project

Land off Russley Green, Baydon

Drawing Title

Proposed Site Access Arrangements

Drawing No.

H672/3

Date: September 2023 | Scale: 1:250 @ A3

E-Mail: thillier@pfaplc.com

Appendix C

PFA Consulting Wanborough Road Swindon Licence No: 712101

Filtering Summary

Land Use	03/A	RESIDENTIAL/HOUSES PRIVATELY OWNED
Selected Trip Rate Calculation Parameter Range	6-50 DWELLS	
Actual Trip Rate Calculation Parameter Range	26-50 DWELLS	
Date Range	Minimum: 01/01/15	Maximum: 09/11/22
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	
Days of the week selected	Monday	1
	Wednesday	1
	Thursday	2
	Friday	1
Main Location Types selected	Suburban Area (PPS6 Out of Centre)	2
	Edge of Town	3
Inclusion of Servicing Vehicles Counts	Servicing vehicles Included	11 - Selected
	Servicing vehicles Excluded	28 - Selected
Population within 500m	All Surveys Included	
Population <1 Mile ranges selected	1,001 to 5,000	1
	5,001 to 10,000	4
Population <5 Mile ranges selected	5,001 to 25,000	2
	25,001 to 50,000	3
Car Ownership <5 Mile ranges selected	1.1 to 1.5	5
PTAL Rating	No PTAL Present	5

Calculation Reference: AUDIT-712101-230703-0714

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

02	SOUTH EAST		
	HC	HAMPSHIRE	1 days
03	SOUTH WEST		
	DC	DORSET	2 days
04	EAST ANGLIA		
	NF	NORFOLK	1 days
10	WALES		
	PS	POWYS	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: 26 to 50 (units:)
Range Selected by User: 6 to 50 (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: 01/01/15 to 09/11/22

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
Wednesday	1 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	5 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 undertaking using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	2
Edge of Town	3

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	4
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:

C3	5 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 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:

1,001 to 5,000	1 days
5,001 to 10,000	4 days

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

Population within 5 miles:

5,001 to 25,000	2 days
25,001 to 50,000	3 days

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

Car ownership within 5 miles:

1.1 to 1.5	5 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	4 days
No	1 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	5 days

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

LIST OF SITES relevant to selection parameters

1 DC-03-A-09 MIXED HOUSES DORSET
A350
SHAFTESBURY

Edge of Town
No Sub Category
Total No of Dwellings: 50
Survey date: FRIDAY *19/11/21* *Survey Type: MANUAL*

2 DC-03-A-10 MIXED HOUSES DORSET
ADDISON CLOSE
GILLINGHAM

Edge of Town
Residential Zone
Total No of Dwellings: 26
Survey date: WEDNESDAY *09/11/22* *Survey Type: MANUAL*

3 HC-03-A-17 HOUSES & FLATS HAMPSHIRE
CANADA WAY
LIPHOOK

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 36
Survey date: THURSDAY *12/11/15* *Survey Type: MANUAL*

4 NF-03-A-05 MIXED HOUSES NORFOLK
HEATH DRIVE
HOLT

Edge of Town
Residential Zone
Total No of Dwellings: 40
Survey date: THURSDAY *19/09/19* *Survey Type: MANUAL*

5 PS-03-A-02 DETACHED/SEMI-DETACHED POWYS
GUNROG ROAD
WELSHPOOL

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 28
Survey date: MONDAY *11/05/15* *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.

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
CA-03-A-07	Covid
ES-03-A-06	Covid
SF-03-A-06	Abnormal low parking levels

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL TOTAL VEHICLES
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period
Total People to Total Vehicles ratio (all time periods and directions): 1.63

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.061	5	36	0.278	5	36	0.339
08:00 - 09:00	5	36	0.183	5	36	0.317	5	36	0.500
09:00 - 10:00	5	36	0.144	5	36	0.156	5	36	0.300
10:00 - 11:00	5	36	0.133	5	36	0.122	5	36	0.255
11:00 - 12:00	5	36	0.156	5	36	0.194	5	36	0.350
12:00 - 13:00	5	36	0.194	5	36	0.222	5	36	0.416
13:00 - 14:00	5	36	0.144	5	36	0.144	5	36	0.288
14:00 - 15:00	5	36	0.150	5	36	0.200	5	36	0.350
15:00 - 16:00	5	36	0.356	5	36	0.206	5	36	0.562
16:00 - 17:00	5	36	0.289	5	36	0.178	5	36	0.467
17:00 - 18:00	5	36	0.344	5	36	0.156	5	36	0.500
18:00 - 19:00	5	36	0.156	5	36	0.111	5	36	0.267
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.310			2.284			4.594

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:	26 - 50 (units:)
Survey date date range:	01/01/15 - 09/11/22
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	3

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL CYCLISTS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.000	5	36	0.000	5	36	0.000
08:00 - 09:00	5	36	0.000	5	36	0.000	5	36	0.000
09:00 - 10:00	5	36	0.000	5	36	0.006	5	36	0.006
10:00 - 11:00	5	36	0.000	5	36	0.011	5	36	0.011
11:00 - 12:00	5	36	0.000	5	36	0.000	5	36	0.000
12:00 - 13:00	5	36	0.011	5	36	0.000	5	36	0.011
13:00 - 14:00	5	36	0.000	5	36	0.006	5	36	0.006
14:00 - 15:00	5	36	0.000	5	36	0.000	5	36	0.000
15:00 - 16:00	5	36	0.000	5	36	0.000	5	36	0.000
16:00 - 17:00	5	36	0.006	5	36	0.000	5	36	0.006
17:00 - 18:00	5	36	0.000	5	36	0.000	5	36	0.000
18:00 - 19:00	5	36	0.000	5	36	0.000	5	36	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.017			0.023			0.040

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.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL VEHICLE OCCUPANTS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.067	5	36	0.367	5	36	0.434
08:00 - 09:00	5	36	0.228	5	36	0.544	5	36	0.772
09:00 - 10:00	5	36	0.167	5	36	0.189	5	36	0.356
10:00 - 11:00	5	36	0.161	5	36	0.156	5	36	0.317
11:00 - 12:00	5	36	0.189	5	36	0.261	5	36	0.450
12:00 - 13:00	5	36	0.283	5	36	0.283	5	36	0.566
13:00 - 14:00	5	36	0.200	5	36	0.189	5	36	0.389
14:00 - 15:00	5	36	0.167	5	36	0.356	5	36	0.523
15:00 - 16:00	5	36	0.522	5	36	0.239	5	36	0.761
16:00 - 17:00	5	36	0.422	5	36	0.233	5	36	0.655
17:00 - 18:00	5	36	0.478	5	36	0.172	5	36	0.650
18:00 - 19:00	5	36	0.200	5	36	0.144	5	36	0.344
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.084			3.133			6.217

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.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL PEDESTRIANS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.006	5	36	0.011	5	36	0.017
08:00 - 09:00	5	36	0.044	5	36	0.161	5	36	0.205
09:00 - 10:00	5	36	0.061	5	36	0.033	5	36	0.094
10:00 - 11:00	5	36	0.039	5	36	0.028	5	36	0.067
11:00 - 12:00	5	36	0.022	5	36	0.028	5	36	0.050
12:00 - 13:00	5	36	0.044	5	36	0.022	5	36	0.066
13:00 - 14:00	5	36	0.017	5	36	0.028	5	36	0.045
14:00 - 15:00	5	36	0.033	5	36	0.039	5	36	0.072
15:00 - 16:00	5	36	0.139	5	36	0.072	5	36	0.211
16:00 - 17:00	5	36	0.072	5	36	0.022	5	36	0.094
17:00 - 18:00	5	36	0.033	5	36	0.044	5	36	0.077
18:00 - 19:00	5	36	0.017	5	36	0.028	5	36	0.045
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.527			0.516			1.043

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.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL PUBLIC TRANSPORT USERS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.000	5	36	0.022	5	36	0.022
08:00 - 09:00	5	36	0.000	5	36	0.011	5	36	0.011
09:00 - 10:00	5	36	0.011	5	36	0.017	5	36	0.028
10:00 - 11:00	5	36	0.000	5	36	0.006	5	36	0.006
11:00 - 12:00	5	36	0.006	5	36	0.000	5	36	0.006
12:00 - 13:00	5	36	0.017	5	36	0.000	5	36	0.017
13:00 - 14:00	5	36	0.006	5	36	0.011	5	36	0.017
14:00 - 15:00	5	36	0.011	5	36	0.000	5	36	0.011
15:00 - 16:00	5	36	0.022	5	36	0.011	5	36	0.033
16:00 - 17:00	5	36	0.000	5	36	0.006	5	36	0.006
17:00 - 18:00	5	36	0.017	5	36	0.011	5	36	0.028
18:00 - 19:00	5	36	0.006	5	36	0.000	5	36	0.006
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.096			0.095			0.191

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.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL TOTAL PEOPLE
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period
Total People to Total Vehicles ratio (all time periods and directions): 1.63

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	5	36	0.072	5	36	0.400	5	36	0.472
08:00 - 09:00	5	36	0.272	5	36	0.717	5	36	0.989
09:00 - 10:00	5	36	0.239	5	36	0.244	5	36	0.483
10:00 - 11:00	5	36	0.200	5	36	0.200	5	36	0.400
11:00 - 12:00	5	36	0.217	5	36	0.289	5	36	0.506
12:00 - 13:00	5	36	0.356	5	36	0.306	5	36	0.662
13:00 - 14:00	5	36	0.222	5	36	0.233	5	36	0.455
14:00 - 15:00	5	36	0.211	5	36	0.394	5	36	0.605
15:00 - 16:00	5	36	0.683	5	36	0.322	5	36	1.005
16:00 - 17:00	5	36	0.500	5	36	0.261	5	36	0.761
17:00 - 18:00	5	36	0.528	5	36	0.228	5	36	0.756
18:00 - 19:00	5	36	0.222	5	36	0.172	5	36	0.394
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.722			3.766			7.488

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.*