ABINGTON
CONSULTING ENGINEERS
CHARTERED CIVIL ENGINEERS

TRANSPORT STATEMENT

2 LONDON ROAD
TWICKENHAM
LONDON

5th June 2024
First Issue

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1 INTRODUCTION

1.1 Abington Consulting has been appointed to prepare a Transport Statement to support a planning application for the development at 2 London Road, Twickenham TW1 3RY.

1.2 The development proposal comprises of the change of use of the upper floors of the property from business (Class E) to residential (Class C3) to create 6 flats. The site's location is shown in Figure 1 below.

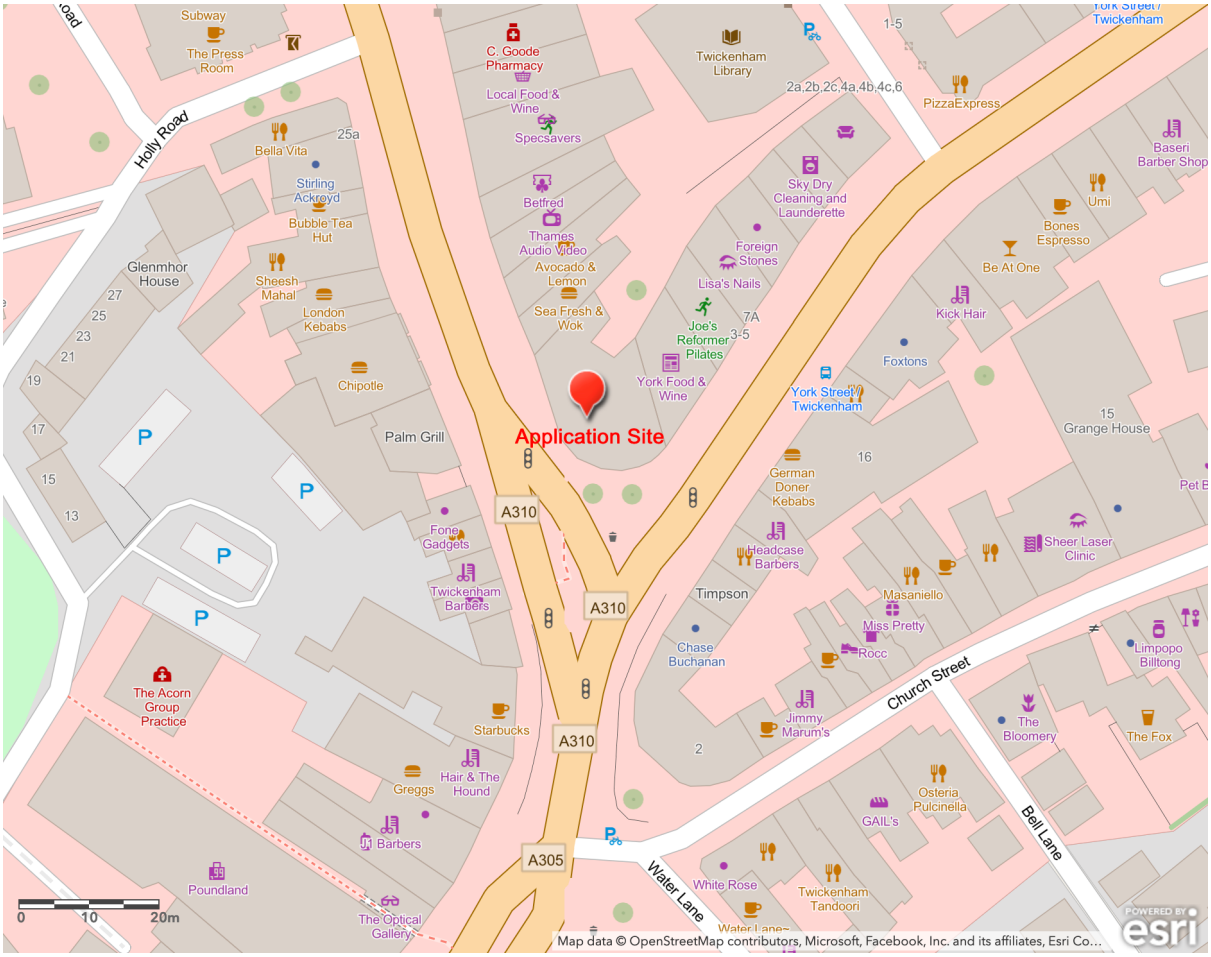

Figure 1 Location

1.3 The purpose of this Transport Statement is to set out the transport issues relating to the proposed development of the site. The site's location, in terms of its accessibility by sustainable forms of transport will be considered together with access arrangements and parking provision for the proposed development. The likely trip generation of the proposed development will be quantified and compared.

1.4 The structure of this document is as follows;

- Section 2 describes the existing conditions; the site's location and accessibility to services.
- Section 3 describes the proposed development.
- Finally, a summary and overall conclusion is provided in Section 4.

2 Existing Conditions

2.1 The site is shown in the context of nearby facilities and the surrounding transport network in Figure 2 below.

Figure 2 Site Context

2.2 The site is located at the corner of London Road (A310) and York Street (A305) and is in the centre of Twickenham.

2.3 The property is a former bank with a ground floor area of 129m^2. There is a total of 333m^2 of office space on the first, second and third floors that is subject to this change of use planning application.

2.4 The property is currently accessed from two doorways that emerge onto London Road and York Street respectively. Access to the rear of the building is available via a lane that emerges onto Garfield Road adjacent to Twickenham Library.

2.5 The site has no off-street parking.

2.6 The application site is in a highly sustainable and accessible location. It is on one of Twickenham's Key Shopping Frontages, as defined by Policy LP26 of the Council's Adopted Local Plan and there is a wide range of shops, services and amenities within a few minutes walk.

2.7 There are bus stops next to the site on York Road that provide access to regular and frequent services and Twickenham railway station is located only some 450m to the north. The site has a Public Transport Accessibility Level (PTAL) value of 5. PTAL values range from 0 (worst) to 6 (best). The site's PTAL value of 5 is towards the upper end of the range therefore and indicates that the site is highly accessible by public transport.

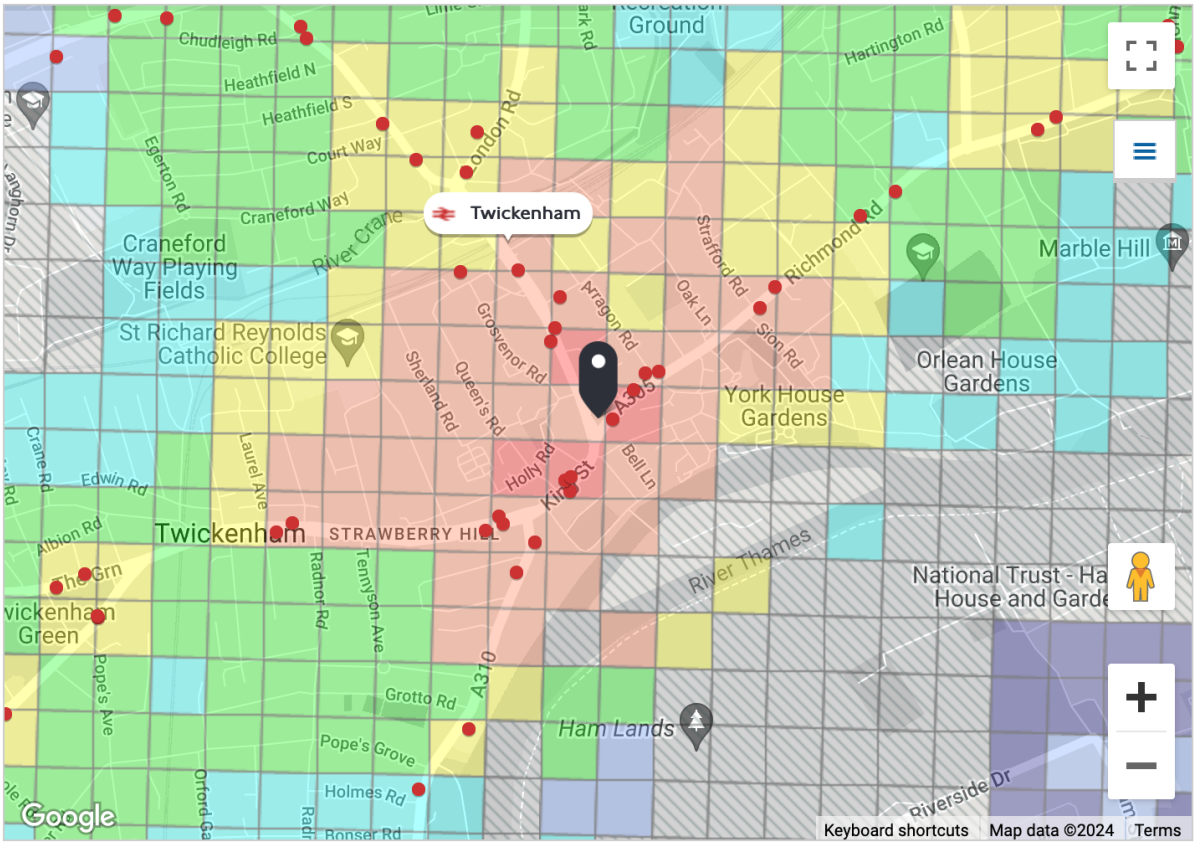

Figure 3 PTAL (Source: WebCAT / TfL)

2.8 There are waiting restrictions London Road and York Street adjacent to the site that prevent on-street parking. There is some limited on-street parking available in Garfield Road to the rear of the site but this is mainly restricted to permit holders from 8:30am to 6:30 pm on Mondays to Fridays. There are some pay and display spaces adjacent to the library where non-permit holders may park for up to 2 hours during these times. The comprehensive parking restrictions that are in place on the streets surrounding the site mean that opportunities for parking on the street are limited and this discourages car use.

2.9 There is an e-scooter parking bay on Garfield Road near its junction with York Street.

2.10 The likely trip generation of the office space that is subject to this change of use application has been estimated by reference to the TRICS trip rate database. From the database, people trip rates of office developments located in town centre and edge of town centre locations in Greater London have been selected. The detailed output is included as Appendix 1 and summarised in the following table.

	Trip Rate per 100m^2			Trip Generation (333m^2)		
Time Range	**Arrivals**	**Departures**	**Total**	**Arrivals**	**Departures**	**Total**
08:00-09:00	1.909	0.178	2.087	6	1	7
17:00-18:00	0.129	1.819	1.948	0	6	6
Daily	7.649	7.601	15.25	25	25	51*

* Apparent arithmetic error caused by rounding up of arrival & departure figures

Table 1 Existing Office Use – Total People Trip Rate & Trip Generation

2.11 The TRICS data suggests that the existing office use has the potential to generate around 51 daily people trips with 6 or 7 of those occurring during peak hours.

3 Proposed Development

3.1 The proposal is to change the use of the first, second and third floors of the property to provide 6 flats (two 2-bed flats and four 1-bed flats). The ground floor will continue as commercial space.

3.2 Access to the flats will be via the property's existing doorway onto York Street and from the rear yard, which will accommodate bins and 12 bike racks for the building's residents.

3.3 The likely trip generation of the new residential use has been estimated by reference to the TRICS trip rate database. From the database, people trip rates of residential developments (privately owned flats) located in town centre and edge of town centre locations in Greater London have been selected. The detailed output is included as Appendix 2 and summarised in the following table.

	Trip Rate per Unit			Trip Generation (6 Flats)		
Time Range	**Arrivals**	**Departures**	**Total**	**Arrivals**	**Departures**	**Total**
08:00-09:00	0.06	0.321	0.381	0	2	2
17:00-18:00	0.324	0.174	0.498	2	1	3
Daily	2.745	2.838	5.583	16	17	33

Table 2 Proposed Residential Use – Total People Trip Rate & Trip Generation

3.4 The TRICS data suggests that the 6 flats will generate some 33 daily people movements with around 2 to 3 movements occurring during peak hours. The change of use of the upper floors of the building will therefore result in a reduction in the number of generated trips; a reduction of around 3 people movements during peak hours and some 17 movements throughout the course of the day.

	Existing			Proposed			Difference		
Time Range	**Arrivals**	**Departures**	**Total**	**Arr.**	**Dep.**	**Total**	**Arr.**	**Dep.**	**Total**
08:00-09:00	6	1	7	1	3	4	-6	2	-3
17:00-18:00	0	6	6	2	1	3	2	-5	-3
Daily	25	25	51	16	17	33	-9	-8	-17

Table 3 Comparison of Existing and Proposed People Trip Generation

3.5 No off-street car parking is proposed. Zero car parking is considered to be appropriate at this location given its setting within Twickenham's centre and its accessibility by public transport that is reflected in the sit's high PTAL value.

3.6 This aligns with guidance provided in Chapter 6 of The London Plan, which states that "there is evidence that car use reduces as access to public transport (as measured by PTALs) increases. Given the need to avoid over-provision, car parking should reduce as public transport accessibility increases"[1]. Consequently, The London Plan recommends a maximum parking provision of 'less than 1 [parking space] per unit' should be provided for residential development (1-2 bed units) and that "All developments in areas of good public transport accessibility (in all parts of London) should aim for significantly less than 1 space per unit"[2].

3.7 The London Plan specifies that a minimum of 1 cycle parking space per 1-bed dwelling and 2 spaces per all other dwellings must be provided. This equates to 8 spaces for the four 1-bed and two 2-bed units. For A1 to A5 use over 100m2 in area 1 cycle space per 175m2 is required (1 per 250m2 for non-food retail). This equates to 1 cycle space for the ground floor commercial space. Overall therefore a minimum of 9 cycle parking spaces is required for the entire building. A total of 12 cycle racks will be provided, exceeding the minimum requirement.

4 Summary & Conclusion

4.1 In summary this Transport Statement has demonstrated that:

- The proposal is for the change of use of 333m^2 of office space to 6 flats;
- The site is in a highly sustainable and accessible location within Twickenham's centre. The site has a PTAL value of 5.
- The change of use will result in a reduction in trip generation.
- Zero off-street car parking is provided. This is considered appropriate given the site's location and high level of accessibility.
- Cycle parking provision exceeds the minimum requirements specified within The London Plan.

4.2 For these reasons it is considered that the proposal is acceptable in transport terms and that there are no transport related reasons to prevent the proposed development from proceeding.

…….. 5th June 2022

Ian Brazier BEng (Hons) CEng MICE

On behalf of Abington Consulting Engineers

[1] The London Plan, Chapter 6, 6.42i
[2] The London Plan "Parking Addendum to Chapter 6"

Appendix 1 TRICS Trip Rate Data – Office Use

Acstro Ltd Salem Llandeilo Licence No: 648801

Calculation Reference: AUDIT-648801-240605-0621

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : A - OFFICE
MULTI-MODAL TOTAL VEHICLES

Selected regions and areas:

01	GREATER LONDON		
	BN	BARNET	1 days
	CN	CAMDEN	2 days
	EN	ENFIELD	1 days
	HD	HILLINGDON	1 days
	HM	HAMMERSMITH AND FULHAM	1 days
	LB	LAMBETH	2 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:	1366 to 26639 (units: sqm)
Range Selected by User:	408 to 120000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/16 to 28/06/22

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	2 days
Tuesday	3 days
Wednesday	2 days
Thursday	1 days

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

Selected survey types:

Manual count	8 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:

Town Centre	5
Edge of Town Centre	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:

Commercial Zone	1
Built-Up Zone	5
High Street	1
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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	9 days - Selected
Servicing vehicles Excluded	1 days - Selected

Secondary Filtering selection:

Use Class:

Not Known	8 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®.

Filter by Site Operations Breakdown:
All Surveys Included

Population within 500m Range:
All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

25,001 to 50,000	3 days
50,001 to 100,000	2 days
100,001 or More	3 days

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

Population within 5 miles:

250,001 to 500,000	1 days
500,001 or More	7 days

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

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	5 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	3 days
No	5 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:

3 Moderate	1 days
4 Good	2 days
6a Excellent	1 days
6b (High) Excellent	4 days

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

LIST OF SITES relevant to selection parameters

1 BN-02-A-01 OFFICES BARNET
MOON LANE
HIGH BARNET

Edge of Town Centre
No Sub Category
Total Gross floor area: 1366 sqm
Survey date: THURSDAY 11/11/21 *Survey Type: MANUAL*

2 CN-02-A-03 PLANNING & ENGINEERING CAMDEN
FITZROY STREET
FITZROVIA

Town Centre
Built-Up Zone
Total Gross floor area: 26639 sqm
Survey date: WEDNESDAY 06/12/17 *Survey Type: MANUAL*

3 CN-02-A-04 OFFICE CAMDEN
CHARTERHOUSE STREET
FARRINGDON

Town Centre
Built-Up Zone
Total Gross floor area: 20129 sqm
Survey date: TUESDAY 28/06/22 *Survey Type: MANUAL*

4 EN-02-A-01 MICROSOFT OFFICES ENFIELD
GENOTIN ROAD
ENFIELD

Town Centre
Built-Up Zone
Total Gross floor area: 6552 sqm
Survey date: TUESDAY 07/06/22 *Survey Type: MANUAL*

5 HD-02-A-10 DATA CENTRE HILLINGDON
MILLINGTON ROAD
HAYES

Edge of Town Centre
Commercial Zone
Total Gross floor area: 16350 sqm
Survey date: WEDNESDAY 02/03/22 *Survey Type: MANUAL*

6 HM-02-A-01 REGUS OFFICES HAMMERSMITH AND FULHAM
QUEEN CAROLINE STREET
HAMMERSMITH

Town Centre
Built-Up Zone
Total Gross floor area: 2036 sqm
Survey date: MONDAY 13/11/17 *Survey Type: MANUAL*

7 LB-02-A-01 START UP OFFICES & STUDIOS LAMBETH
DURHAM STREET
VAUXHALL

Edge of Town Centre
Built-Up Zone
Total Gross floor area: 10200 sqm
Survey date: MONDAY 19/11/18 *Survey Type: MANUAL*

LIST OF SITES relevant to selection parameters (Cont.)

8 LB-02-A-02 MUSIC COMPANY LAMBETH
STREATHAM HIGH ROAD
STREATHAM

Town Centre
High Street
Total Gross floor area: 3054 sqm
Survey date: TUESDAY *05/11/19* *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.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL TOTAL VEHICLES
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period
Total People to Total Vehicles ratio (all time periods and directions): 12.63

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.057	8	10791	0.015	8	10791	0.072
08:00 - 09:00	8	10791	0.132	8	10791	0.036	8	10791	0.168
09:00 - 10:00	8	10791	0.101	8	10791	0.036	8	10791	0.137
10:00 - 11:00	8	10791	0.071	8	10791	0.045	8	10791	0.116
11:00 - 12:00	8	10791	0.039	8	10791	0.049	8	10791	0.088
12:00 - 13:00	8	10791	0.045	8	10791	0.045	8	10791	0.090
13:00 - 14:00	8	10791	0.031	8	10791	0.034	8	10791	0.065
14:00 - 15:00	8	10791	0.029	8	10791	0.045	8	10791	0.074
15:00 - 16:00	8	10791	0.024	8	10791	0.051	8	10791	0.075
16:00 - 17:00	8	10791	0.034	8	10791	0.059	8	10791	0.093
17:00 - 18:00	8	10791	0.019	8	10791	0.098	8	10791	0.117
18:00 - 19:00	8	10791	0.016	8	10791	0.082	8	10791	0.098
19:00 - 20:00	1	20129	0.005	1	20129	0.005	1	20129	0.010
20:00 - 21:00	1	20129	0.005	1	20129	0.005	1	20129	0.010
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.608			0.605			1.213

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.*

Parameter summary

Trip rate parameter range selected:	1366 - 26639 (units: sqm)
Survey date date range:	01/01/16 - 28/06/22
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
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.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL CYCLISTS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.036	8	10791	0.001	8	10791	0.037
08:00 - 09:00	8	10791	0.152	8	10791	0.001	8	10791	0.153
09:00 - 10:00	8	10791	0.102	8	10791	0.007	8	10791	0.109
10:00 - 11:00	8	10791	0.028	8	10791	0.012	8	10791	0.040
11:00 - 12:00	8	10791	0.015	8	10791	0.009	8	10791	0.024
12:00 - 13:00	8	10791	0.013	8	10791	0.017	8	10791	0.030
13:00 - 14:00	8	10791	0.009	8	10791	0.015	8	10791	0.024
14:00 - 15:00	8	10791	0.007	8	10791	0.005	8	10791	0.012
15:00 - 16:00	8	10791	0.008	8	10791	0.017	8	10791	0.025
16:00 - 17:00	8	10791	0.002	8	10791	0.027	8	10791	0.029
17:00 - 18:00	8	10791	0.001	8	10791	0.133	8	10791	0.134
18:00 - 19:00	8	10791	0.001	8	10791	0.122	8	10791	0.123
19:00 - 20:00	1	20129	0.000	1	20129	0.010	1	20129	0.010
20:00 - 21:00	1	20129	0.000	1	20129	0.000	1	20129	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.374			0.376			0.750

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 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL VEHICLE OCCUPANTS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.060	8	10791	0.015	8	10791	0.075
08:00 - 09:00	8	10791	0.138	8	10791	0.023	8	10791	0.161
09:00 - 10:00	8	10791	0.107	8	10791	0.030	8	10791	0.137
10:00 - 11:00	8	10791	0.079	8	10791	0.046	8	10791	0.125
11:00 - 12:00	8	10791	0.044	8	10791	0.054	8	10791	0.098
12:00 - 13:00	8	10791	0.052	8	10791	0.047	8	10791	0.099
13:00 - 14:00	8	10791	0.038	8	10791	0.039	8	10791	0.077
14:00 - 15:00	8	10791	0.030	8	10791	0.047	8	10791	0.077
15:00 - 16:00	8	10791	0.024	8	10791	0.054	8	10791	0.078
16:00 - 17:00	8	10791	0.032	8	10791	0.064	8	10791	0.096
17:00 - 18:00	8	10791	0.013	8	10791	0.107	8	10791	0.120
18:00 - 19:00	8	10791	0.009	8	10791	0.088	8	10791	0.097
19:00 - 20:00	1	20129	0.000	1	20129	0.010	1	20129	0.010
20:00 - 21:00	1	20129	0.000	1	20129	0.005	1	20129	0.005
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.626			0.629			1.255

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 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL PEDESTRIANS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.110	8	10791	0.051	8	10791	0.161
08:00 - 09:00	8	10791	0.244	8	10791	0.115	8	10791	0.359
09:00 - 10:00	8	10791	0.281	8	10791	0.141	8	10791	0.422
10:00 - 11:00	8	10791	0.210	8	10791	0.236	8	10791	0.446
11:00 - 12:00	8	10791	0.189	8	10791	0.185	8	10791	0.374
12:00 - 13:00	8	10791	0.336	8	10791	0.470	8	10791	0.806
13:00 - 14:00	8	10791	0.519	8	10791	0.487	8	10791	1.006
14:00 - 15:00	8	10791	0.312	8	10791	0.210	8	10791	0.522
15:00 - 16:00	8	10791	0.108	8	10791	0.132	8	10791	0.240
16:00 - 17:00	8	10791	0.073	8	10791	0.123	8	10791	0.196
17:00 - 18:00	8	10791	0.051	8	10791	0.156	8	10791	0.207
18:00 - 19:00	8	10791	0.016	8	10791	0.134	8	10791	0.150
19:00 - 20:00	1	20129	0.000	1	20129	0.025	1	20129	0.025
20:00 - 21:00	1	20129	0.000	1	20129	0.000	1	20129	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.449			2.465			4.914

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 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL PUBLIC TRANSPORT USERS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.396	8	10791	0.007	8	10791	0.403
08:00 - 09:00	8	10791	1.375	8	10791	0.039	8	10791	1.414
09:00 - 10:00	8	10791	1.201	8	10791	0.076	8	10791	1.277
10:00 - 11:00	8	10791	0.343	8	10791	0.093	8	10791	0.436
11:00 - 12:00	8	10791	0.164	8	10791	0.111	8	10791	0.275
12:00 - 13:00	8	10791	0.168	8	10791	0.224	8	10791	0.392
13:00 - 14:00	8	10791	0.198	8	10791	0.199	8	10791	0.397
14:00 - 15:00	8	10791	0.094	8	10791	0.161	8	10791	0.255
15:00 - 16:00	8	10791	0.090	8	10791	0.283	8	10791	0.373
16:00 - 17:00	8	10791	0.075	8	10791	0.505	8	10791	0.580
17:00 - 18:00	8	10791	0.064	8	10791	1.423	8	10791	1.487
18:00 - 19:00	8	10791	0.029	8	10791	0.893	8	10791	0.922
19:00 - 20:00	1	20129	0.000	1	20129	0.094	1	20129	0.094
20:00 - 21:00	1	20129	0.000	1	20129	0.020	1	20129	0.020
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			4.197			4.128			8.325

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 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL TOTAL PEOPLE
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period
Total People to Total Vehicles ratio (all time periods and directions): 12.63

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	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	10791	0.602	8	10791	0.074	8	10791	0.676
08:00 - 09:00	8	10791	1.909	8	10791	0.178	8	10791	2.087
09:00 - 10:00	8	10791	1.691	8	10791	0.255	8	10791	1.946
10:00 - 11:00	8	10791	0.659	8	10791	0.387	8	10791	1.046
11:00 - 12:00	8	10791	0.412	8	10791	0.360	8	10791	0.772
12:00 - 13:00	8	10791	0.569	8	10791	0.759	8	10791	1.328
13:00 - 14:00	8	10791	0.765	8	10791	0.740	8	10791	1.505
14:00 - 15:00	8	10791	0.443	8	10791	0.423	8	10791	0.866
15:00 - 16:00	8	10791	0.231	8	10791	0.487	8	10791	0.718
16:00 - 17:00	8	10791	0.183	8	10791	0.718	8	10791	0.901
17:00 - 18:00	8	10791	0.129	8	10791	1.819	8	10791	1.948
18:00 - 19:00	8	10791	0.056	8	10791	1.237	8	10791	1.293
19:00 - 20:00	1	20129	0.000	1	20129	0.139	1	20129	0.139
20:00 - 21:00	1	20129	0.000	1	20129	0.025	1	20129	0.025
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			7.649			7.601			15.250

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.*

Appendix 2 TRICS Trip Rate Data – Residential Use

Acstro Ltd Salem Llandeilo Licence No: 648801

Calculation Reference: AUDIT-648801-240605-0608

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

01	GREATER LONDON		
	BE	BEXLEY	1 days
	BM	BROMLEY	1 days
	HM	HAMMERSMITH AND FULHAM	1 days
	HO	HOUNSLOW	1 days
	IS	ISLINGTON	3 days
	KI	KINGSTON	1 days
	WF	WALTHAM FOREST	4 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:	6 to 194 (units:)
Range Selected by User:	6 to 493 (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: 01/01/16 to 13/09/23

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	3 days
Tuesday	5 days
Wednesday	2 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	12 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:

Town Centre	2
Edge of Town Centre	10

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:

Development Zone	2
Residential Zone	7
Built-Up 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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	12 days - Selected
Servicing vehicles Excluded	2 days - Selected

Secondary Filtering selection:

Use Class:

C3	12 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

Secondary Filtering selection (Cont.):

Population within 1 mile:

25,001 to 50,000	7 days
50,001 to 100,000	3 days
100,001 or More	2 days

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

Population within 5 miles:

500,001 or More	12 days

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

Car ownership within 5 miles:

0.5 or Less	4 days
0.6 to 1.0	7 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:

Yes	3 days
No	9 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:

2 Poor	2 days
3 Moderate	1 days
4 Good	3 days
5 Very Good	2 days
6a Excellent	3 days
6b (High) Excellent	1 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 BE-03-C-01 BLOCKS OF FLATS BEXLEY
CROOK LOG
BEXLEYHEATH

Edge of Town Centre
Residential Zone
Total No of Dwellings: 79
Survey date: WEDNESDAY *19/09/18* *Survey Type: MANUAL*

2 BM-03-C-01 BLOCKS OF FLATS BROMLEY
RINGER'S ROAD
BROMLEY

Town Centre
Built-Up Zone
Total No of Dwellings: 160
Survey date: MONDAY *12/11/18* *Survey Type: MANUAL*

3 HM-03-C-02 BLOCKS OF FLATS HAMMERSMITH AND FULHAM
GLENTHORNE ROAD
HAMMERSMITH

Town Centre
Built-Up Zone
Total No of Dwellings: 194
Survey date: TUESDAY *30/04/19* *Survey Type: MANUAL*

4 HO-03-C-03 BLOCKS OF FLATS HOUNSLOW
COMMERCE ROAD
BRENTFORD

Edge of Town Centre
Development Zone
Total No of Dwellings: 150
Survey date: FRIDAY *18/11/16* *Survey Type: MANUAL*

5 IS-03-C-05 BLOCK OF FLATS ISLINGTON
LEVER STREET
FINSBURY

Edge of Town Centre
Built-Up Zone
Total No of Dwellings: 15
Survey date: WEDNESDAY *29/06/16* *Survey Type: MANUAL*

6 IS-03-C-06 BLOCK OF FLATS ISLINGTON
CALEDONIAN ROAD
HOLLOWAY

Edge of Town Centre
Residential Zone
Total No of Dwellings: 14
Survey date: MONDAY *27/06/16* *Survey Type: MANUAL*

7 IS-03-C-08 BLOCK OF FLATS ISLINGTON
CITY ROAD
ISLINGTON

Edge of Town Centre
Development Zone
Total No of Dwellings: 190
Survey date: THURSDAY *20/10/22* *Survey Type: MANUAL*

LIST OF SITES relevant to selection parameters (Cont.)

8	KI-03-C-03 PORTSMOUTH ROAD SURBITON	BLOCK OF FLATS		KINGSTON
	Edge of Town Centre Residential Zone Total No of Dwellings:		20	
	Survey date: MONDAY		*11/07/16*	*Survey Type: MANUAL*
9	WF-03-C-01 ERSKINE ROAD WALTHAMSTOW	BLOCKS OF FLATS		WALTHAM FOREST
	Edge of Town Centre Residential Zone Total No of Dwellings:		97	
	Survey date: TUESDAY		*05/11/19*	*Survey Type: MANUAL*
10	WF-03-C-02 GROSVENOR ROAD WANSTEAD	BLOCKS OF FLATS		WALTHAM FOREST
	Edge of Town Centre Residential Zone Total No of Dwellings:		28	
	Survey date: TUESDAY		*25/05/21*	*Survey Type: MANUAL*
11	WF-03-C-04 GROSVENOR ROAD WANSTEAD	BLOCKS OF FLATS		WALTHAM FOREST
	Edge of Town Centre Residential Zone Total No of Dwellings:		42	
	Survey date: TUESDAY		*25/05/21*	*Survey Type: MANUAL*
12	WF-03-C-05 NEW WANSTEAD WANSTEAD	BLOCK OF FLATS		WALTHAM FOREST
	Edge of Town Centre Residential Zone Total No of Dwellings:		6	
	Survey date: TUESDAY		*25/05/21*	*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.

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS 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): 3.87

	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	1	42	0.000	1	42	0.000	1	42	0.000
07:00 - 08:00	12	83	0.025	12	83	0.068	12	83	0.093
08:00 - 09:00	12	83	0.033	12	83	0.064	12	83	0.097
09:00 - 10:00	12	83	0.040	12	83	0.040	12	83	0.080
10:00 - 11:00	12	83	0.059	12	83	0.054	12	83	0.113
11:00 - 12:00	12	83	0.045	12	83	0.060	12	83	0.105
12:00 - 13:00	12	83	0.047	12	83	0.055	12	83	0.102
13:00 - 14:00	12	83	0.045	12	83	0.059	12	83	0.104
14:00 - 15:00	12	83	0.023	12	83	0.034	12	83	0.057
15:00 - 16:00	12	83	0.059	12	83	0.045	12	83	0.104
16:00 - 17:00	12	83	0.066	12	83	0.050	12	83	0.116
17:00 - 18:00	12	83	0.086	12	83	0.053	12	83	0.139
18:00 - 19:00	12	83	0.070	12	83	0.050	12	83	0.120
19:00 - 20:00	12	83	0.063	12	83	0.051	12	83	0.114
20:00 - 21:00	12	83	0.040	12	83	0.038	12	83	0.078
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.701			0.721			1.422

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.*

Parameter summary

Trip rate parameter range selected:	6 - 194 (units:)
Survey date date range:	01/01/16 - 13/09/23
Number of weekdays (Monday-Friday):	12
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
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.

Acstro Ltd Salem Llandeilo Licence No: 648801

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS 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	1	42	0.000	1	42	0.000	1	42	0.000
07:00 - 08:00	12	83	0.003	12	83	0.006	12	83	0.009
08:00 - 09:00	12	83	0.003	12	83	0.015	12	83	0.018
09:00 - 10:00	12	83	0.001	12	83	0.004	12	83	0.005
10:00 - 11:00	12	83	0.004	12	83	0.008	12	83	0.012
11:00 - 12:00	12	83	0.001	12	83	0.001	12	83	0.002
12:00 - 13:00	12	83	0.004	12	83	0.003	12	83	0.007
13:00 - 14:00	12	83	0.007	12	83	0.005	12	83	0.012
14:00 - 15:00	12	83	0.005	12	83	0.004	12	83	0.009
15:00 - 16:00	12	83	0.003	12	83	0.003	12	83	0.006
16:00 - 17:00	12	83	0.005	12	83	0.003	12	83	0.008
17:00 - 18:00	12	83	0.006	12	83	0.004	12	83	0.010
18:00 - 19:00	12	83	0.008	12	83	0.008	12	83	0.016
19:00 - 20:00	12	83	0.015	12	83	0.004	12	83	0.019
20:00 - 21:00	12	83	0.007	12	83	0.005	12	83	0.012
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.072			0.073			0.145

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/C - FLATS 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	1	42	0.000	1	42	0.000	1	42	0.000
07:00 - 08:00	12	83	0.025	12	83	0.079	12	83	0.104
08:00 - 09:00	12	83	0.033	12	83	0.085	12	83	0.118
09:00 - 10:00	12	83	0.044	12	83	0.048	12	83	0.092
10:00 - 11:00	12	83	0.066	12	83	0.062	12	83	0.128
11:00 - 12:00	12	83	0.054	12	83	0.070	12	83	0.124
12:00 - 13:00	12	83	0.052	12	83	0.056	12	83	0.108
13:00 - 14:00	12	83	0.058	12	83	0.073	12	83	0.131
14:00 - 15:00	12	83	0.029	12	83	0.040	12	83	0.069
15:00 - 16:00	12	83	0.076	12	83	0.054	12	83	0.130
16:00 - 17:00	12	83	0.082	12	83	0.057	12	83	0.139
17:00 - 18:00	12	83	0.108	12	83	0.063	12	83	0.171
18:00 - 19:00	12	83	0.097	12	83	0.061	12	83	0.158
19:00 - 20:00	12	83	0.076	12	83	0.067	12	83	0.143
20:00 - 21:00	12	83	0.043	12	83	0.040	12	83	0.083
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.843			0.855			1.698

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/C - FLATS 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	1	42	0.048	1	42	0.000	1	42	0.048
07:00 - 08:00	12	83	0.020	12	83	0.066	12	83	0.086
08:00 - 09:00	12	83	0.049	12	83	0.149	12	83	0.198
09:00 - 10:00	12	83	0.036	12	83	0.092	12	83	0.128
10:00 - 11:00	12	83	0.045	12	83	0.073	12	83	0.118
11:00 - 12:00	12	83	0.074	12	83	0.061	12	83	0.135
12:00 - 13:00	12	83	0.063	12	83	0.059	12	83	0.122
13:00 - 14:00	12	83	0.065	12	83	0.056	12	83	0.121
14:00 - 15:00	12	83	0.062	12	83	0.057	12	83	0.119
15:00 - 16:00	12	83	0.097	12	83	0.076	12	83	0.173
16:00 - 17:00	12	83	0.091	12	83	0.064	12	83	0.155
17:00 - 18:00	12	83	0.103	12	83	0.071	12	83	0.174
18:00 - 19:00	12	83	0.117	12	83	0.104	12	83	0.221
19:00 - 20:00	12	83	0.108	12	83	0.058	12	83	0.166
20:00 - 21:00	12	83	0.072	12	83	0.048	12	83	0.120
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.050			1.034			2.084

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/C - FLATS 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	1	42	0.000	1	42	0.000	1	42	0.000
07:00 - 08:00	12	83	0.012	12	83	0.169	12	83	0.181
08:00 - 09:00	12	83	0.020	12	83	0.241	12	83	0.261
09:00 - 10:00	12	83	0.033	12	83	0.077	12	83	0.110
10:00 - 11:00	12	83	0.030	12	83	0.056	12	83	0.086
11:00 - 12:00	12	83	0.022	12	83	0.036	12	83	0.058
12:00 - 13:00	12	83	0.034	12	83	0.029	12	83	0.063
13:00 - 14:00	12	83	0.029	12	83	0.038	12	83	0.067
14:00 - 15:00	12	83	0.034	12	83	0.017	12	83	0.051
15:00 - 16:00	12	83	0.057	12	83	0.035	12	83	0.092
16:00 - 17:00	12	83	0.057	12	83	0.045	12	83	0.102
17:00 - 18:00	12	83	0.108	12	83	0.035	12	83	0.143
18:00 - 19:00	12	83	0.164	12	83	0.053	12	83	0.217
19:00 - 20:00	12	83	0.117	12	83	0.021	12	83	0.138
20:00 - 21:00	12	83	0.054	12	83	0.012	12	83	0.066
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.771			0.864			1.635

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/C - FLATS 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): 3.87

	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	1	42	0.048	1	42	0.000	1	42	0.048
07:00 - 08:00	12	83	0.060	12	83	0.321	12	83	0.381
08:00 - 09:00	12	83	0.106	12	83	0.490	12	83	0.596
09:00 - 10:00	12	83	0.115	12	83	0.222	12	83	0.337
10:00 - 11:00	12	83	0.146	12	83	0.200	12	83	0.346
11:00 - 12:00	12	83	0.152	12	83	0.169	12	83	0.321
12:00 - 13:00	12	83	0.154	12	83	0.148	12	83	0.302
13:00 - 14:00	12	83	0.160	12	83	0.173	12	83	0.333
14:00 - 15:00	12	83	0.131	12	83	0.119	12	83	0.250
15:00 - 16:00	12	83	0.234	12	83	0.169	12	83	0.403
16:00 - 17:00	12	83	0.236	12	83	0.170	12	83	0.406
17:00 - 18:00	12	83	0.324	12	83	0.174	12	83	0.498
18:00 - 19:00	12	83	0.386	12	83	0.226	12	83	0.612
19:00 - 20:00	12	83	0.316	12	83	0.151	12	83	0.467
20:00 - 21:00	12	83	0.177	12	83	0.106	12	83	0.283
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.745			2.838			5.583

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.*