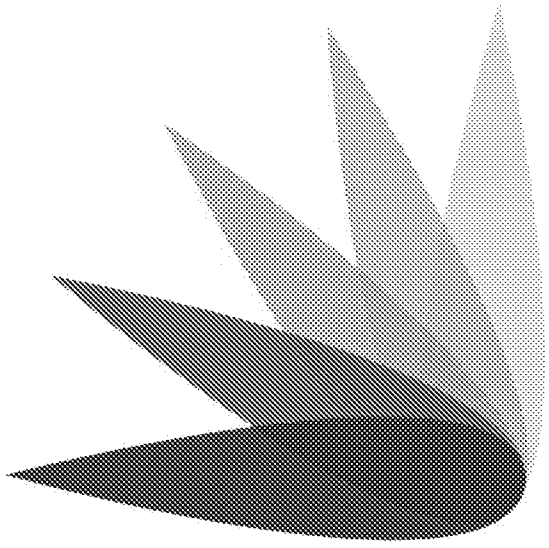
Transport Technical Note

Rustington Manor Hotel, Rustington

NOVEMBER 2021



Reeves Transport Planning

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SGR/RMH/161121 V2

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ARUN DISTRICT COUNCIL R/291/21/PL

1. INTRODUCTION

1.1 Reeves Transport Planning is commissioned to provide a Technical Note in support of a proposal to demolish the former Rustington Manor Hotel and erect a new residential building consisting of 10 residential flats, (six three-bed and four two-bed units).

1.2 The site is located on the western side of Broadmark Lane, Rustington, which is circa 300metres to south of the shops and services at Churchill Parade. As well as this wide range of amenities, there are also bus stops on Churchill Parade that provide regular connections across the region.

1.3 This Technical Note will consider the transport impact and the parking implications of the proposed development. It will present the proposal's slight reduction in traffic impact compared with the extant use and confirm that the proposed parking area improvements will be of benefit to street users and the Local Highway Authority, as it will formalise a long established situation.

2. TRANSPORT IMPACTS

2.1 The former Rustington Manor Hotel consisted of six rooms with a 40 cover restaurant and bar area, which led to a conservatory with an additional 30 covers. There are full kitchen and food preparation facilities and a room for the hotel manager.

2.2 The site's existing transport impact is evidenced in the TRICS datasheets that are attached at Appendix 1. The data informs that the hotel use could generate circa 35 vehicle movements per day.

2.3 The TRICS data indicates that the proposed 10 residential flats could generate circa 30 vehicle movements per day, which is a reduction on the existing use.

Information source acknowledged

3. PARKING DEMAND

3.1 The West Sussex County Council Parking Guidelines for Residential Development and the September 2020 Guidance on Parking at New Developments sets out a zoned approach and informs that expected levels of parking demand should be determined by considering location (parking behaviour zone), dwelling size (rooms), parking provision (allocated or unallocated), and arrangements for control/enforcement (charges, etc).

3.2 The application site is in the Rustington West ward of Arun District Council and the relevant parking behaviour zone (PBZ) is PBZ4. Table 2 of the guidance notes a parking demand of 1.1 for a two-bed dwelling and 1.7 for three-bed dwellings.

3.3 Accordingly, the proposed residential development should provide a maximum of 14.6 car parking spaces.

3.4 The Arun District Council Supplementary Planning Document - Parking Standards was adopted in January 2020 and advises that two-bedroom dwellings should be provided with two parking spaces. It notes that the numbers have been rounded up when compared to the West Sussex guidelines.

3.5 Nomis data has been interrogated to understand the car ownership patterns in the local area and the data is attached, as Appendix 2. This is a standard approach employed by the Local Highway Authority when assessing car parking demand. The data confirms that the parking demand likely to be generated is circa 0.92 cars per flat.

4. PARKING SUPPLY

4.1 The proposed development reuses the existing car parking provision for the hotel.

Arun District Council 21/07/21

4.2 There are a total of seven parking spaces served via the northern crossover and a further six spaces served via the southern crossover. This provides one space per dwelling plus two visitor spaces and one accessible parking space.

4.3 The WSCC Guidelines advise that new development should provide a minimum of 33% of parking spaces with 'active' electric vehicle charging facilities and the balance should be provided with 'passive' facilities. Four of the parking spaces will be provided with 'active' charging facilities with the balance having 'passive' facilities.

4.4 The proposal includes provision for eight secure cycle parking spaces.

4.5 The northern crossover is unchanged as part of the proposal and the southern crossover will be extended to cover the full parking area. This area has been used for hotel parking since at least April 2009, which is illustrated in the Google Maps Street View images.

Figure 1 Google Maps Street View extract April 2009



4.6 Figure 2 is the June 2012 Google Map Street View, and it illustrates that vehicles have been using the area that does not benefit from a formal crossover since, at least, June 2012.

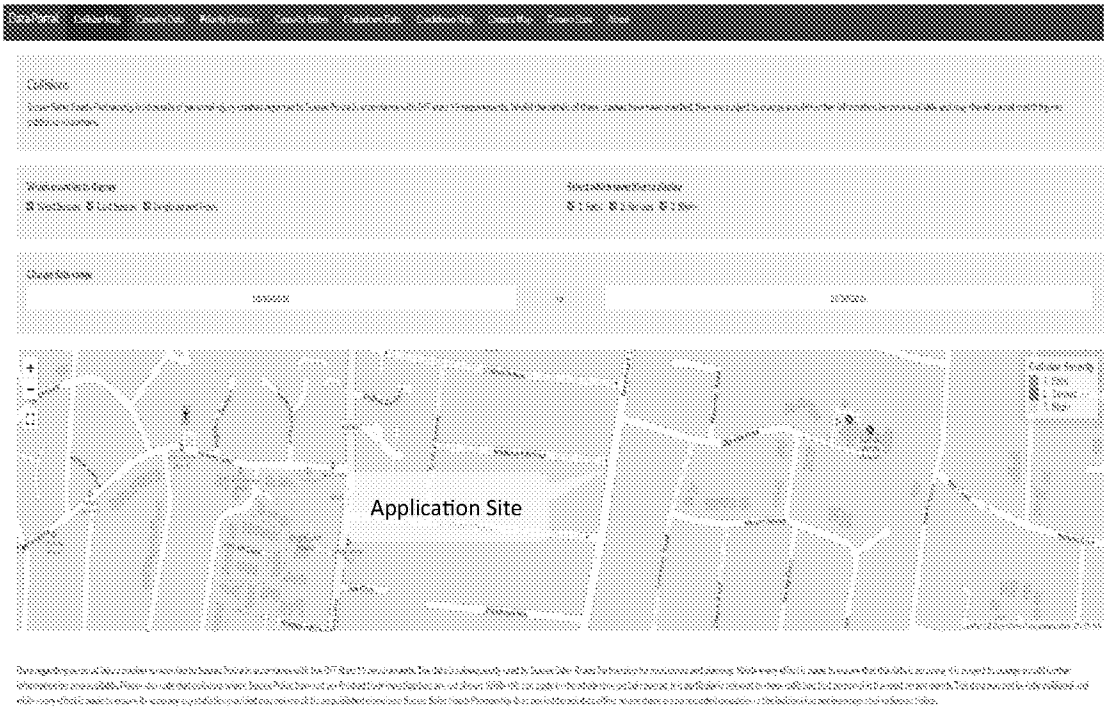
Figure 2 Google Maps Street View extract June 2012



4.7 There is nothing intrinsically hazardous about the current layout that suggests the proposal will worsen highway safety. Sussex Safer Road Partnership data corroborates this, as there have been no collisions in the vicinity of the application site in the five years since October 2016. Figure 3 summarises the traffic collision data that confirms that the use of the additional space for a public parking area, while the hotel was operational, did not create a traffic safety hazard.

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Figure 3 Sussex Safer Road Partnership Data (1/10/16 to 29/09/2021)
Source: https://ssrp.shinyapps.io/dataportal/



4.8 The proposal includes an extension to the crossover serving the full length of the southern parking area. The surface will be constructed with a permeable bonded material and an ACO drain will be installed to prevent run off from the parking area affecting the public highway.

4.9 The phoneline pole at the bound of the southern parking area will be relocated so that it is at least 1.5metres away from both crossovers.

4.10 The northern parking area will have the same permeable bonded surface and ACO drain. There are no works planned to the crossover itself, as this is in a good state of repair.

5. SUMMARY AND CONCLUSION

5.1 Reeves Transport Planning has been commissioned to provide a Technical Note in support of a proposal to demolish the former Rustington Manor Hotel, on Broadmark Lane, and erect a new building consisting of 10 residential flats.

5.2 The proposal will not create a material change in the traffic impact when compared with the hotel, but the TRICS data indicates that there is likely to be a slight reduction in daily trips generated when compared with the extant use.

5.3 It is considered that the proposed development includes sufficient car parking capacity to meet the local demand. Charging facilities for electric cars and cycle parking are included in accordance with the council's prevailing design standards.

5.4 The existing north crossover, serving seven parking spaces, will be unchanged. The southern crossover will be extended to serve the established parking area. Both parking areas will be upgraded to include a permeable and bonded surface treatment with ACO drains, which will remove any risk of surface material or run off contaminating Broadmark Lane. The phoneline pole will be moved to a position that is at least 1.5metres away from the crossover.

5.5 It is acknowledged that the extended crossover serving the southern parking spaces will exceed the maximum recommended by West Sussex County Council's Vehicle Crossing Guidance, which explains that *'the maximum allowable width of any one access at any one location is 6.4m'*. It is important to observe that the parking area has been in use for at least 11 years and 7 months and that the most recent five years of collision data confirms that the existing configuration does not present a public safety risk.

5.6 Also, in combination with the crossover serving 14 Broadmark Lane, the current crossover is 14metres long, and 9.2metres when the crossover serving number 14 is excluded. Extending the crossover by 7.9metres, while longer that the

Arrangement Council Approved

guidance recommends, will formalise the use that has been active for over a decade. The additional benefits of the permeable and bonded surface with ACO drain will help minimise contamination of the public highway.

5.7 Taking into consideration all information, it is reasonable to conclude that the traffic impacts of the proposal and the parking demand will not have a ***severe*** impact on highway capacity or an ***unacceptable*** impact on highway safety.

5.8 The works can be controlled by planning condition.

Unrestricted Document Classification

APPENDIX 1:

TRICS DATASHEETS

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Calculation Reference: AUDIT-753101-211123-1141

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD & DRINK
Category : H - PUB/RES + HOTEL
TOTAL VEHICLES

Selected regions and areas:

02	**SOUTH EAST**		
	BU	BUCKINGHAMSHIRE	1 days
	EX	ESSEX	1 days
03	**SOUTH WEST**		
	WL	WILTSHIRE	1 days
04	**EAST ANGLIA**		
	SF	SUFFOLK	1 days
06	**WEST MIDLANDS**		
	HE	HEREFORDSHIRE	1 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	NY	NORTH YORKSHIRE	1 days
08	**NORTH WEST**		
	LC	LANCASHIRE	1 days
10	**WALES**		
	SW	SWANSEA	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: Number of bedrooms
Actual Range: 4 to 133 (units:)
Range Selected by User: 4 to 133 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/13 to 23/11/18

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	1 days
Wednesday	1 days
Thursday	1 days
Friday	3 days
Saturday	1 days
Sunday	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:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	2
Edge of Town	3
Neighbourhood Centre (PPS6 Local Centre)	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	1
Development Zone	1

ARUN DISTRICT COUNCIL Received

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	8 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:

1,001 to 5,000	2 days
5,001 to 10,000	3 days
10,001 to 15,000	1 days
20,001 to 25,000	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
125,001 to 250,000	6 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	7 days
1.6 to 2.0	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	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	8 days

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

LIST OF SITES relevant to selection parameters

1 **BU-06-H-02** **TOBY CARVERY & LODGE** **BUCKINGHAMSHIRE**
BURCHARD CRESCENT
MILTON KEYNES
SHENLEY CHURCH END
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of bedrooms: 42
Survey date: FRIDAY *03/10/14* *Survey Type: MANUAL*

2 **EX-06-H-01** **PREMIER INN & BEEFEATER** **ESSEX**
CAMBRIDGE ROAD
HARLOW
OLD HARLOW
Edge of Town
Industrial Zone
Total Number of bedrooms: 81
Survey date: SATURDAY *09/07/16* *Survey Type: MANUAL*

3 **HE-06-H-02** **PREMIER INN & BEEFEATER** **HEREFORDSHIRE**
HOLMER ROAD
HEREFORD

Suburban Area (PPS6 Out of Centre)
No Sub Category
Total Number of bedrooms: 81
Survey date: TUESDAY *22/10/13* *Survey Type: MANUAL*

4 **LC-06-H-04** **PUB/ RESTAURANT & HOTEL** **LANCASHIRE**
WOOD LANE
NEAR CHORLEY
HESKIN
Neighbourhood Centre (PPS6 Local Centre)
Village
Total Number of bedrooms: 4
Survey date: FRIDAY *23/11/18* *Survey Type: MANUAL*

5 **NY-06-H-01** **PREMIER INN & THE LONG BOAT** **NORTH YORKSHIRE**
BLOSSOM STREET
YORK

Edge of Town Centre
Built-Up Zone
Total Number of bedrooms: 62
Survey date: SUNDAY *29/09/13* *Survey Type: MANUAL*

6 **SF-06-H-01** **PREMIER INN & PUB** **SUFFOLK**
OLD HADLEIGH ROAD
IPSWICH

Edge of Town
Out of Town
Total Number of bedrooms: 49
Survey date: FRIDAY *19/07/13* *Survey Type: MANUAL*

7 **SW-06-H-01** **PREMIER INN & BEEFEATER** **SWANSEA**
LANGDON ROAD
SWANSEA
THE WATERFRONT
Edge of Town Centre
Development Zone
Total Number of bedrooms: 132
Survey date: THURSDAY *24/10/13* *Survey Type: MANUAL*

8 **WL-06-H-01** **PREMIER INN & TABLE TABLE** **WILTSHIRE**
PEARCE WAY
SALISBURY
BISHOPDOWN
Edge of Town
Residential Zone
Total Number of bedrooms: 133
Survey date: WEDNESDAY *19/09/18* *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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

TOTAL VEHICLES

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.077	0.462	8	73	0.178	1.068	8	73	0.255	1.530
08:00 - 09:00	8	73	0.103	0.616	8	73	0.241	1.449	8	73	0.344	2.065
09:00 - 10:00	8	73	0.128	0.771	**8**	**73**	**0.243**	**1.459**	8	73	0.371	2.230
10:00 - 11:00	8	73	0.106	0.637	8	73	0.187	1.120	8	73	0.293	1.757
11:00 - 12:00	8	73	0.127	0.760	8	73	0.156	0.935	8	73	0.283	1.695
12:00 - 13:00	8	73	0.219	1.315	8	73	0.122	0.729	8	73	0.341	2.044
13:00 - 14:00	8	73	0.223	1.336	8	73	0.195	1.171	8	73	0.418	2.507
14:00 - 15:00	8	73	0.187	1.120	8	73	0.183	1.099	8	73	0.370	2.219
15:00 - 16:00	8	73	0.173	1.038	8	73	0.168	1.007	8	73	0.341	2.045
16:00 - 17:00	8	73	0.269	1.613	8	73	0.144	0.863	8	73	0.413	2.476
17:00 - 18:00	8	73	0.354	2.127	8	73	0.204	1.223	8	73	0.558	3.350
18:00 - 19:00	**8**	**73**	**0.380**	**2.281**	8	73	0.224	1.346	**8**	**73**	**0.604**	**3.627**
19:00 - 20:00	8	73	0.219	1.315	8	73	0.236	1.418	8	73	0.455	2.733
20:00 - 21:00	8	73	0.161	0.966	8	73	0.204	1.223	8	73	0.365	2.189
21:00 - 22:00	8	73	0.106	0.637	8	73	0.144	0.863	8	73	0.250	1.500
22:00 - 23:00	1	62	0.032	0.194	1	62	0.048	0.290	1	62	0.080	0.484
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			2.864	17.188			2.877	17.263			5.741	34.451

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:	4 - 133 (units:)
Survey date date range:	01/01/13 - 23/11/18
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	1
Number of Sundays:	1
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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

TAXIS

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.007	0.041	8	73	0.007	0.041	8	73	0.014	0.082
08:00 - 09:00	8	73	0.009	0.051	8	73	0.007	0.041	8	73	0.016	0.092
09:00 - 10:00	8	73	0.007	0.041	8	73	0.009	0.051	8	73	0.016	0.092
10:00 - 11:00	8	73	0.003	0.021	8	73	0.003	0.021	8	73	0.006	0.042
11:00 - 12:00	8	73	0.010	0.062	8	73	0.010	0.062	8	73	0.020	0.124
12:00 - 13:00	8	73	0.007	0.041	8	73	0.007	0.041	8	73	0.014	0.082
13:00 - 14:00	8	73	0.014	0.082	8	73	0.014	0.082	8	73	0.028	0.164
14:00 - 15:00	8	73	0.007	0.041	8	73	0.007	0.041	8	73	0.014	0.082
15:00 - 16:00	8	73	0.014	0.082	8	73	0.014	0.082	8	73	0.028	0.164
16:00 - 17:00	8	73	0.007	0.041	8	73	0.007	0.041	8	73	0.014	0.082
17:00 - 18:00	8	73	0.009	0.051	8	73	0.009	0.051	8	73	0.018	0.102
18:00 - 19:00	8	73	0.015	0.092	8	73	0.015	0.092	8	73	0.030	0.184
19:00 - 20:00	**8**	**73**	**0.027**	**0.164**	**8**	**73**	**0.026**	**0.154**	**8**	**73**	**0.053**	**0.318**
20:00 - 21:00	8	73	0.021	0.123	8	73	0.022	0.134	8	73	0.043	0.257
21:00 - 22:00	8	73	0.021	0.123	8	73	0.019	0.113	8	73	0.040	0.236
22:00 - 23:00	1	62	0.016	0.097	1	62	0.016	0.097	1	62	0.032	0.194
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.194	1.153			0.192	1.144			0.386	2.297

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

OGVS

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.002	0.010	**8**	**73**	**0.007**	**0.041**	**8**	**73**	**0.009**	**0.051**
08:00 - 09:00	8	73	0.002	0.010	8	73	0.002	0.010	8	73	0.004	0.020
09:00 - 10:00	**8**	**73**	**0.003**	**0.021**	8	73	0.002	0.010	8	73	0.005	0.031
10:00 - 11:00	8	73	0.000	0.000	8	73	0.003	0.021	8	73	0.003	0.021
11:00 - 12:00	8	73	0.003	0.021	8	73	0.000	0.000	8	73	0.003	0.021
12:00 - 13:00	8	73	0.002	0.010	8	73	0.005	0.031	8	73	0.007	0.041
13:00 - 14:00	8	73	0.002	0.010	8	73	0.000	0.000	8	73	0.002	0.010
14:00 - 15:00	8	73	0.002	0.010	8	73	0.002	0.010	8	73	0.004	0.020
15:00 - 16:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
16:00 - 17:00	8	73	0.002	0.010	8	73	0.002	0.010	8	73	0.004	0.020
17:00 - 18:00	8	73	0.002	0.010	8	73	0.002	0.010	8	73	0.004	0.020
18:00 - 19:00	8	73	0.003	0.021	8	73	0.000	0.000	8	73	0.003	0.021
19:00 - 20:00	8	73	0.000	0.000	8	73	0.003	0.021	8	73	0.003	0.021
20:00 - 21:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
21:00 - 22:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
22:00 - 23:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.023	0.133			0.028	0.164			0.051	0.297

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

PSVS

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
08:00 - 09:00	8	73	0.002	0.010	**8**	**73**	**0.003**	**0.021**	**8**	**73**	**0.005**	**0.031**
09:00 - 10:00	**8**	**73**	**0.003**	**0.021**	8	73	0.000	0.000	8	73	0.003	0.021
10:00 - 11:00	8	73	0.000	0.000	8	73	0.003	0.021	8	73	0.003	0.021
11:00 - 12:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
12:00 - 13:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
13:00 - 14:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
14:00 - 15:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
15:00 - 16:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
16:00 - 17:00	8	73	0.002	0.010	8	73	0.000	0.000	8	73	0.002	0.010
17:00 - 18:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
18:00 - 19:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
19:00 - 20:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
20:00 - 21:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
21:00 - 22:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
22:00 - 23:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.007	0.041			0.006	0.042			0.013	0.083

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

CYCLISTS

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.002	0.010	8	73	0.003	0.021	8	73	0.005	0.031
08:00 - 09:00	8	73	0.009	0.051	8	73	0.007	0.041	8	73	0.016	0.092
09:00 - 10:00	8	73	0.003	0.021	8	73	0.002	0.010	8	73	0.005	0.031
10:00 - 11:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
11:00 - 12:00	8	73	0.005	0.031	8	73	0.005	0.031	8	73	0.010	0.062
12:00 - 13:00	8	73	0.007	0.041	8	73	0.010	0.062	8	73	0.017	0.103
13:00 - 14:00	8	73	0.005	0.031	8	73	0.007	0.041	8	73	0.012	0.072
14:00 - 15:00	**8**	**73**	**0.019**	**0.113**	**8**	**73**	**0.017**	**0.103**	**8**	**73**	**0.036**	**0.216**
15:00 - 16:00	8	73	0.005	0.031	8	73	0.010	0.062	8	73	0.015	0.093
16:00 - 17:00	8	73	0.003	0.021	8	73	0.002	0.010	8	73	0.005	0.031
17:00 - 18:00	8	73	0.003	0.021	8	73	0.002	0.010	8	73	0.005	0.031
18:00 - 19:00	8	73	0.003	0.021	8	73	0.017	0.103	8	73	0.020	0.124
19:00 - 20:00	8	73	0.000	0.000	8	73	0.007	0.041	8	73	0.007	0.041
20:00 - 21:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
21:00 - 22:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
22:00 - 23:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.064	0.392			0.089	0.535			0.153	0.927

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

CARS

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.063	0.380	8	73	0.140	0.842	8	73	0.203	1.222
08:00 - 09:00	8	73	0.086	0.514	8	73	0.216	1.295	8	73	0.302	1.809
09:00 - 10:00	8	73	0.099	0.596	**8**	**73**	**0.221**	**1.325**	8	73	0.320	1.921
10:00 - 11:00	8	73	0.091	0.545	8	73	0.154	0.925	8	73	0.245	1.470
11:00 - 12:00	8	73	0.101	0.606	8	73	0.132	0.791	8	73	0.233	1.397
12:00 - 13:00	8	73	0.199	1.192	8	73	0.098	0.586	8	73	0.297	1.778
13:00 - 14:00	8	73	0.193	1.161	8	73	0.175	1.048	8	73	0.368	2.209
14:00 - 15:00	8	73	0.164	0.986	8	73	0.163	0.976	8	73	0.327	1.962
15:00 - 16:00	8	73	0.146	0.873	8	73	0.146	0.873	8	73	0.292	1.746
16:00 - 17:00	8	73	0.245	1.469	8	73	0.127	0.760	8	73	0.372	2.229
17:00 - 18:00	8	73	0.329	1.973	8	73	0.185	1.110	8	73	0.514	3.083
18:00 - 19:00	**8**	**73**	**0.344**	**2.065**	8	73	0.202	1.212	**8**	**73**	**0.546**	**3.277**
19:00 - 20:00	8	73	0.180	1.079	8	73	0.199	1.192	8	73	0.379	2.271
20:00 - 21:00	8	73	0.130	0.781	8	73	0.175	1.048	8	73	0.305	1.829
21:00 - 22:00	8	73	0.084	0.503	8	73	0.122	0.729	8	73	0.206	1.232
22:00 - 23:00	1	62	0.016	0.097	1	62	0.032	0.194	1	62	0.048	0.291
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			2.470	14.820			2.487	14.906			4.957	29.726

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL
LGVS
Calculation factor: 1 BEDRMS
Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.005	0.031	**8**	**73**	**0.024**	**0.144**	8	73	0.029	0.175
08:00 - 09:00	8	73	0.005	0.031	8	73	0.014	0.082	8	73	0.019	0.113
09:00 - 10:00	8	73	0.012	0.072	8	73	0.012	0.072	8	73	0.024	0.144
10:00 - 11:00	8	73	0.012	0.072	8	73	0.019	0.113	**8**	**73**	**0.031**	**0.185**
11:00 - 12:00	8	73	0.012	0.072	8	73	0.014	0.082	8	73	0.026	0.154
12:00 - 13:00	8	73	0.009	0.051	8	73	0.012	0.072	8	73	0.021	0.123
13:00 - 14:00	8	73	0.014	0.082	8	73	0.005	0.031	8	73	0.019	0.113
14:00 - 15:00	8	73	0.012	0.072	8	73	0.010	0.062	8	73	0.022	0.134
15:00 - 16:00	8	73	0.010	0.062	8	73	0.009	0.051	8	73	0.019	0.113
16:00 - 17:00	8	73	0.014	0.082	8	73	0.009	0.051	8	73	0.023	0.133
17:00 - 18:00	8	73	0.015	0.092	8	73	0.009	0.051	8	73	0.024	0.143
18:00 - 19:00	**8**	**73**	**0.017**	**0.103**	8	73	0.007	0.041	8	73	0.024	0.144
19:00 - 20:00	8	73	0.012	0.072	8	73	0.007	0.041	8	73	0.019	0.113
20:00 - 21:00	8	73	0.010	0.062	8	73	0.007	0.041	8	73	0.017	0.103
21:00 - 22:00	8	73	0.002	0.010	8	73	0.003	0.021	8	73	0.005	0.031
22:00 - 23:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.161	0.966			0.161	0.955			0.322	1.921

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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TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/H - PUB/RES + HOTEL

MOTOR CYCLES

Calculation factor: 1 BEDRMS

Estimated TRIP rate value per 6 BEDRMS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	Estimated 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	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
08:00 - 09:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
09:00 - 10:00	**8**	**73**	**0.003**	**0.021**	8	73	0.000	0.000	8	73	0.003	0.021
10:00 - 11:00	8	73	0.000	0.000	**8**	**73**	**0.003**	**0.021**	8	73	0.003	0.021
11:00 - 12:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
12:00 - 13:00	8	73	0.003	0.021	8	73	0.000	0.000	8	73	0.003	0.021
13:00 - 14:00	8	73	0.000	0.000	8	73	0.002	0.010	8	73	0.002	0.010
14:00 - 15:00	8	73	0.002	0.010	8	73	0.002	0.010	**8**	**73**	**0.004**	**0.020**
15:00 - 16:00	8	73	0.003	0.021	8	73	0.000	0.000	8	73	0.003	0.021
16:00 - 17:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
17:00 - 18:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
18:00 - 19:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
19:00 - 20:00	8	73	0.000	0.000	8	73	0.002	0.010	8	73	0.002	0.010
20:00 - 21:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
21:00 - 22:00	8	73	0.000	0.000	8	73	0.000	0.000	8	73	0.000	0.000
22:00 - 23:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
23:00 - 24:00	1	62	0.000	0.000	1	62	0.000	0.000	1	62	0.000	0.000
Total Rates:			0.011	0.073			0.009	0.051			0.020	0.124

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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Calculation Reference: AUDIT-753101-211123-1127

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

02	**SOUTH EAST**		
	EX	ESSEX	1 days
03	**SOUTH WEST**		
	DC	DORSET	1 days
	DV	DEVON	1 days
04	**EAST ANGLIA**		
	SF	SUFFOLK	1 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	RI	EAST RIDING OF YORKSHIRE	1 days
09	**NORTH**		
	CB	CUMBRIA	3 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: 6 to 40 (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: 01/01/13 to 09/03/20

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	2 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	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 undertaking using machines.

Selected Locations:

Town Centre	1
Edge of Town Centre	3
Suburban Area (PPS6 Out of Centre)	3
Edge of Town	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.

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	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®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

10,001 to 15,000	5 days
20,001 to 25,000	1 days
25,001 to 50,000	3 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	1 days
25,001 to 50,000	1 days
50,001 to 75,000	4 days
75,001 to 100,000	1 days
125,001 to 250,000	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	2 days
1.1 to 1.5	7 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	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:

No PTAL Present	9 days

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

LIST OF SITES relevant to selection parameters

1 **CB-03-C-01** **BLOCK OF FLATS** **CUMBRIA**
KING STREET
CARLISLE

Town Centre
Built-Up Zone
Total No of Dwellings: 40
Survey date: THURSDAY *12/06/14* *Survey Type: MANUAL*

2 **CB-03-C-02** **BLOCK OF FLATS** **CUMBRIA**
BRIDGE LANE
PENRITH

Edge of Town
No Sub Category
Total No of Dwellings: 35
Survey date: WEDNESDAY *11/06/14* *Survey Type: MANUAL*

3 **CB-03-C-03** **FLATS & BUNGALOWS** **CUMBRIA**
LOUND STREET
KENDAL

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 33
Survey date: MONDAY *09/06/14* *Survey Type: MANUAL*

4 **CO-03-C-01** **BLOCKS OF FLATS** **CONWY**
MOSTYN BROADWAY
LLANDUDNO

Edge of Town Centre
Built-Up Zone
Total No of Dwellings: 37
Survey date: MONDAY *26/03/18* *Survey Type: MANUAL*

5 **DC-03-C-02** **FLATS IN BLOCKS** **DORSET**
PALM COURT
WEYMOUTH
SPA ROAD
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 14
Survey date: FRIDAY *28/03/14* *Survey Type: MANUAL*

6 **DV-03-C-01** **BLOCK OF FLATS** **DEVON**
BONHAY ROAD
EXETER

Edge of Town Centre
Residential Zone
Total No of Dwellings: 27
Survey date: MONDAY *10/07/17* *Survey Type: MANUAL*

7 **EX-03-C-01** **FLATS** **ESSEX**
WESTCLIFF PARADE
SOUTHEND-ON-SEA
WESTCLIFF
Edge of Town Centre
Residential Zone
Total No of Dwellings: 6
Survey date: TUESDAY *22/10/13* *Survey Type: MANUAL*

8 **RI-03-C-01** **FLATS** **EAST RIDING OF YORKSHIRE**
465 PRIORY ROAD
HULL

Edge of Town
Residential Zone
Total No of Dwellings: 20
Survey date: TUESDAY *13/05/14* *Survey Type: MANUAL*

LIST OF SITES relevant to selection parameters (Cont.)

9 SF-03-C-03 BLOCKS OF FLATS SUFFOLK
TOLLGATE LANE
BURY ST EDMUNDS

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 30
Survey date: WEDNESDAY *03/12/14* *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

TOTAL VEHICLES

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.058	0.579	9	27	0.145	1.446	9	27	0.203	2.025
08:00 - 09:00	9	27	0.087	0.868	**9**	**27**	**0.211**	**2.107**	9	27	0.298	2.975
09:00 - 10:00	9	27	0.124	1.240	9	27	0.128	1.281	9	27	0.252	2.521
10:00 - 11:00	9	27	0.079	0.785	9	27	0.107	1.074	9	27	0.186	1.859
11:00 - 12:00	9	27	0.120	1.198	9	27	0.116	1.157	9	27	0.236	2.355
12:00 - 13:00	9	27	0.112	1.116	9	27	0.099	0.992	9	27	0.211	2.108
13:00 - 14:00	9	27	0.099	0.992	9	27	0.128	1.281	9	27	0.227	2.273
14:00 - 15:00	9	27	0.091	0.909	9	27	0.140	1.405	9	27	0.231	2.314
15:00 - 16:00	9	27	0.153	1.529	9	27	0.095	0.950	9	27	0.248	2.479
16:00 - 17:00	9	27	0.153	1.529	9	27	0.079	0.785	9	27	0.232	2.314
17:00 - 18:00	**9**	**27**	**0.207**	**2.066**	9	27	0.132	1.322	**9**	**27**	**0.339**	**3.388**
18:00 - 19:00	9	27	0.186	1.860	9	27	0.140	1.405	9	27	0.326	3.265
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			1.469	14.671			1.520	15.205			2.989	29.876

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:	6 - 40 (units:)
Survey date date range:	01/01/13 - 09/03/20
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.

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

TAXIS

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.008	0.083	9	27	0.008	0.083	9	27	0.016	0.166
08:00 - 09:00	9	27	0.000	0.000	9	27	0.004	0.041	9	27	0.004	0.041
09:00 - 10:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
10:00 - 11:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
11:00 - 12:00	**9**	**27**	**0.025**	**0.248**	**9**	**27**	**0.025**	**0.248**	**9**	**27**	**0.050**	**0.496**
12:00 - 13:00	9	27	0.008	0.083	9	27	0.008	0.083	9	27	0.016	0.166
13:00 - 14:00	9	27	0.008	0.083	9	27	0.008	0.083	9	27	0.016	0.166
14:00 - 15:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
15:00 - 16:00	9	27	0.008	0.083	9	27	0.008	0.083	9	27	0.016	0.166
16:00 - 17:00	9	27	0.004	0.041	9	27	0.000	0.000	9	27	0.004	0.041
17:00 - 18:00	9	27	0.004	0.041	9	27	0.000	0.000	9	27	0.004	0.041
18:00 - 19:00	9	27	0.012	0.124	9	27	0.017	0.165	9	27	0.029	0.289
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.081	0.827			0.082	0.827			0.163	1.654

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
OGVS
Calculation factor: 1 DWELLS
Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	**9**	**27**	**0.004**	**0.041**	**9**	**27**	**0.008**	**0.083**	**9**	**27**	**0.012**	**0.124**
08:00 - 09:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
09:00 - 10:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
10:00 - 11:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
11:00 - 12:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
12:00 - 13:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
13:00 - 14:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
14:00 - 15:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
15:00 - 16:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
16:00 - 17:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
17:00 - 18:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
18:00 - 19:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.020	0.205			0.024	0.247			0.044	0.452

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
PSVS
Calculation factor: 1 DWELLS
Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
08:00 - 09:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
09:00 - 10:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
10:00 - 11:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
11:00 - 12:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
12:00 - 13:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
13:00 - 14:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
14:00 - 15:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
15:00 - 16:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
16:00 - 17:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
17:00 - 18:00	**9**	**27**	**0.004**	**0.041**	**9**	**27**	**0.004**	**0.041**	**9**	**27**	**0.008**	**0.082**
18:00 - 19:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.004	0.041			0.004	0.041			0.008	0.082

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

CYCLISTS

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.008	0.083	9	27	0.008	0.083	9	27	0.016	0.166
08:00 - 09:00	9	27	0.008	0.083	9	27	0.017	0.165	9	27	0.025	0.248
09:00 - 10:00	**9**	**27**	**0.012**	**0.124**	**9**	**27**	**0.025**	**0.248**	**9**	**27**	**0.037**	**0.372**
10:00 - 11:00	9	27	0.000	0.000	9	27	0.017	0.165	9	27	0.017	0.165
11:00 - 12:00	9	27	0.000	0.000	9	27	0.008	0.083	9	27	0.008	0.083
12:00 - 13:00	9	27	0.004	0.041	9	27	0.000	0.000	9	27	0.004	0.041
13:00 - 14:00	9	27	0.004	0.041	9	27	0.008	0.083	9	27	0.012	0.124
14:00 - 15:00	9	27	0.004	0.041	9	27	0.000	0.000	9	27	0.004	0.041
15:00 - 16:00	9	27	0.008	0.083	9	27	0.012	0.124	9	27	0.020	0.207
16:00 - 17:00	9	27	0.012	0.124	9	27	0.000	0.000	9	27	0.012	0.124
17:00 - 18:00	9	27	0.012	0.124	9	27	0.008	0.083	9	27	0.020	0.207
18:00 - 19:00	9	27	0.004	0.041	9	27	0.004	0.041	9	27	0.008	0.082
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.076	0.785			0.107	1.075			0.183	1.860

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

CARS

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.037	0.372	9	27	0.116	1.157	9	27	0.153	1.529
08:00 - 09:00	9	27	0.074	0.744	**9**	**27**	**0.182**	**1.818**	9	27	0.256	2.562
09:00 - 10:00	9	27	0.083	0.826	9	27	0.099	0.992	9	27	0.182	1.818
10:00 - 11:00	9	27	0.066	0.661	9	27	0.079	0.785	9	27	0.145	1.446
11:00 - 12:00	9	27	0.074	0.744	9	27	0.070	0.702	9	27	0.144	1.446
12:00 - 13:00	9	27	0.095	0.950	9	27	0.079	0.785	9	27	0.174	1.735
13:00 - 14:00	9	27	0.079	0.785	9	27	0.103	1.033	9	27	0.182	1.818
14:00 - 15:00	9	27	0.087	0.868	9	27	0.132	1.322	9	27	0.219	2.190
15:00 - 16:00	9	27	0.128	1.281	9	27	0.079	0.785	9	27	0.207	2.066
16:00 - 17:00	9	27	0.128	1.281	9	27	0.066	0.661	9	27	0.194	1.942
17:00 - 18:00	**9**	**27**	**0.190**	**1.901**	9	27	0.116	1.157	**9**	**27**	**0.306**	**3.058**
18:00 - 19:00	9	27	0.161	1.612	9	27	0.116	1.157	9	27	0.277	2.769
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			1.202	12.025			1.237	12.354			2.439	24.379

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
LGVS
Calculation factor: 1 DWELLS
Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.008	0.083	9	27	0.012	0.124	9	27	0.020	0.207
08:00 - 09:00	9	27	0.008	0.083	9	27	0.021	0.207	9	27	0.029	0.290
09:00 - 10:00	**9**	**27**	**0.033**	**0.331**	9	27	0.017	0.165	**9**	**27**	**0.050**	**0.496**
10:00 - 11:00	9	27	0.012	0.124	**9**	**27**	**0.025**	**0.248**	9	27	0.037	0.372
11:00 - 12:00	9	27	0.021	0.207	9	27	0.021	0.207	9	27	0.042	0.414
12:00 - 13:00	9	27	0.004	0.041	9	27	0.008	0.083	9	27	0.012	0.124
13:00 - 14:00	9	27	0.008	0.083	9	27	0.017	0.165	9	27	0.025	0.248
14:00 - 15:00	9	27	0.000	0.000	9	27	0.004	0.041	9	27	0.004	0.041
15:00 - 16:00	9	27	0.012	0.124	9	27	0.008	0.083	9	27	0.020	0.207
16:00 - 17:00	9	27	0.021	0.207	9	27	0.012	0.124	9	27	0.033	0.331
17:00 - 18:00	9	27	0.008	0.083	9	27	0.012	0.124	9	27	0.020	0.207
18:00 - 19:00	9	27	0.012	0.124	9	27	0.008	0.083	9	27	0.020	0.207
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.147	1.490			0.165	1.654			0.312	3.144

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

MOTOR CYCLES

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES				TOTALS			
Time Range	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated 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	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
08:00 - 09:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
09:00 - 10:00	9	27	0.000	0.000	**9**	**27**	**0.004**	**0.041**	**9**	**27**	**0.004**	**0.041**
10:00 - 11:00	9	27	0.000	0.000	9	27	0.004	0.041	9	27	0.004	0.041
11:00 - 12:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
12:00 - 13:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
13:00 - 14:00	**9**	**27**	**0.004**	**0.041**	9	27	0.000	0.000	9	27	0.004	0.041
14:00 - 15:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
15:00 - 16:00	9	27	0.004	0.041	9	27	0.000	0.000	9	27	0.004	0.041
16:00 - 17:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
17:00 - 18:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
18:00 - 19:00	9	27	0.000	0.000	9	27	0.000	0.000	9	27	0.000	0.000
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			0.008	0.082			0.008	0.082			0.016	0.164

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:

NOMIS DATA

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LC4415EW - Accommodation type by car or van availability

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population	All households
units	Persons
date	2011
accommodation type	Flat, maisonette, apartment, caravan or other mobile or temporary structure

Cars or Vans	**E01031460**	**E01031458**		
All categories: Car or van availability	533	59	592	
No cars or vans in household	122	18	140	0
1 car or van in household	330	32	362	362
2 or more cars or vans in household	81	9	90	180
				542

Ratio of cars per flat/maisonette/apartment: 0.92

Flats Proposed & Predicted Ownership: 10 **9.2**

