



TECHNICAL NOTE

HOTEL FELIX, GIRTON, CAMBRIDGE 80-BEDROOM CARE HOME

Client: Cassel Hotels (Cambridge) Limited
Reference: 6185

Date: May 2021

Author: EJD **Date:** 10/05/2021
Checked by: ALB **Date:** 10/05/2021
Approved by: ALB **Date:** 10/05/2021

Issue	Status	Date
1.	Final	10/05/2021
2.		
3.		
4.		

1 INTRODUCTION

1.1.1 This Technical Note (TN) has been prepared by Bright Plan to provide additional information requested by Cambridgeshire County Council (CCC) in relation to a planning application for a proposed care home at Hotel Felix, Girton, Cambridge. A copy of CCC's consultation response is attached at **Appendix A** for reference.

1.1.2 CCC's highway officers have requested the following additional information:

- i. Multi-modal trip generation assessment for the proposal
- ii. Further details for the nearest bus stops.



2 MULTI-MODAL TRIP ASSESSMENT

- 2.1.1 A multi-modal trip generation assessment has been undertaken using the TRICS database (version 7.8.1). The assessment reflects the vehicle assessment undertaken for the original Transport Statement as close as possible.
- 2.1.2 The TRICS output is provided at **Appendix B**, whilst a summary of the weekday peak hour and daily trip rates, along with the subsequent multi-modal trips associated with the proposed care home is provided in **Figure 2.1**.

TRICS Trip Rate per Resident									
Mode	AM Peak (08:00 – 09:00)			PM Peak (17:00 – 18:00)			Daily (07:00 – 19:00)		
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total
Total Vehicles	0.059	0.066	0.125	0.072	0.079	0.151	0.947	0.999	1.946
Taxis	0.000	0.000	0.000	0.007	0.000	0.007	0.028	0.028	0.056
OGVs	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014	0.028
PSVs	0.000	0.007	0.007	0.000	0.000	0.000	0.007	0.014	0.021
Cyclists	0.000	0.000	0.000	0.007	0.007	0.014	0.028	0.028	0.056
Vehicle Occupants	0.086	0.072	0.158	0.079	0.099	0.178	1.146	1.238	2.384
Pedestrians	0.020	0.020	0.040	0.007	0.013	0.020	0.311	0.335	0.646
Bus/Tram Passengers	0.020	0.007	0.027	0.000	0.000	0.000	0.108	0.089	0.197
Total Rail Passengers	0.020	0.000	0.020	0.007	0.013	0.020	0.062	0.068	0.130
Total People	0.145	0.099	0.244	0.099	0.132	0.231	1.644	1.750	3.394

TRICS Trip Generation (80 Residents)									
Total Vehicles	5	5	10	6	6	12	76	80	156
Taxis	0	0	0	1	0	1	2	2	4
OGVs	0	0	0	0	0	0	1	1	2
PSVs	0	1	1	0	0	0	1	1	2
Cyclists	0	0	0	1	1	1	2	2	4
Vehicle Occupants	7	6	13	6	8	14	92	99	191
Pedestrians	2	2	3	1	1	2	25	27	52
Bus/Tram Passengers	2	1	2	0	0	0	9	7	16
Total Rail Passengers	2	0	2	1	1	2	5	5	10
Total People	12	8	20	8	11	18	132	140	272

Figure 2.1: Proposed Multi-Modal Trip Generation – Care Home

- 2.1.3 The assessment suggests that the majority of visits to the site would represent vehicle occupants (191 daily two-way). Pedestrians would represent 52 daily two-way trips, and cyclists would represent 4 daily two-way trips.

3 BUS STOP INFRASTRUCTURE

- 3.1.1 The 'Lawrence Weaver' bus stops (northbound and southbound) are situated on the A1307 Huntingdon Road c.280m to the south of the site. The stops are served by the 5 citi and 6 citi buses which provide frequent services to Cambridge city centre.



- 3.1.2 The southbound stop has a shelter and a live service information display, and is connected to the main footway on Huntington Road by way of a pedestrian crossing. It is expected that the majority of staff/visitors travelling to the site by bus would use the southbound stop to travel towards the centre of Cambridge. The southbound stop is shown in **Figure 3.1**.



Figure 3.1: Southbound Bus Stop (Laurence Weaver)

- 3.1.3 The northbound stop is expected to be used less intensively by staff, and comprises a flagpole stop with a timetable information board. The northbound stop is shown in **Figure 3.2**.



Figure 3.2: Northbound Bus Stop (Laurence Weaver)

3.2 Summary

- 3.2.1 It is expected that the majority of staff/visitors travelling to the site by bus would use the southbound bus stop which has good existing facilities. The development is expected to result in a limited increase in bus users (16 daily two-way trips), and as such it is not expected that any improvements to the existing infrastructure would be required.



APPENDICES



Appendix A Cambridgeshire County Council Consultation Response

Whitehouse Lane, Cambridge – 80 bedroom care home

21/00953/FUL

TRANSPORTATION TEAM COMMENTS

REF: 2223

CASE OFFICER: Mary Collins

AUTHOR: T Bande

CHECKED BY: L Blower

DATE: 30th April 2021

These comments are further to a Transport Statement provided by Bright Plan, as part of a planning application for a proposed 80 bedroom care home at Hotel Felix, Cambridge. The site currently comprises of a 52-bedroom hotel which includes a restaurant that is open to the public. The proposed development would involve the demolition of the hotel and restaurant to be replaced by an 80-bedroom care home.

The applicant has confirmed that the current site generates around 21 vehicle movements in the AM and 27 vehicle movements in the PM peak hour and a total of 239 daily car trips.

The applicant also estimates that around 38 people could be employed in the proposed care home during the morning shift and around 44 staff during the PM shift, generating around 11 car trips in the AM peak, 15 during the PM peak hour and a total of 170 daily car trips, according to the TRICS trip rates provided.

It is anticipated that the proposed development would result in a net reduction of 70 daily vehicle movements, including a reduction of 10 movements during the AM peak hour, and 12 movements during the PM peak hour.

As per the TS guidelines, the applicant should also include details of the multi modal trip generation figures for the proposal. This information should be submitted to CCC.

The applicant needs to provide further details about the nearest bus stops. The upgrading of these stops may be required as potential mitigation.

A Travel Plan will be required with any permission granted.

Once the additional information has been submitted, the County Council will be in a position to give a view on this development.



Appendix B TRICS Report

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 05 - HEALTH
 Category : F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL TOTAL VEHICLESSelected regions and areas:

06 WEST MIDLANDS	
WK WARWICKSHIRE	1 days
07 YORKSHIRE & NORTH LINCOLNSHIRE	
NY NORTH YORKSHIRE	1 days
08 NORTH WEST	
LC LANCASHIRE	1 days
09 NORTH	
TW TYNE & WEAR	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 residents
 Actual Range: 31 to 52 (units:)
 Range Selected by User: 30 to 120 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/12 to 02/05/19

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

Selected survey days:

Monday	1 days
Tuesday	1 days
Thursday	2 days

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

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

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

Selected Locations:

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

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

Selected Location Sub Categories:

Residential Zone	4
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This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:Use Class:

C2	4 days
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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

Secondary Filtering selection (Cont.):Population within 1 mile:

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

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

Population within 5 miles:

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

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

Car ownership within 5 miles:

0.6 to 1.0	3 days
1.1 to 1.5	1 days

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

Travel Plan:

No	4 days
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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	4 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	LC-05-F-02	NURSING HOME	LANCASHIRE
	LYTHAM ROAD BLACKPOOL SQUIRES GATE Edge of Town Residential Zone Total Number of residents: 31 Survey date: <i>TUESDAY</i> 27/09/16		<i>Survey Type: MANUAL</i>
2	NY-05-F-05	NURSING HOME	NORTH YORKSHIRE
	SEAGRIM CRESCENT RICHMOND Edge of Town Residential Zone Total Number of residents: 37 Survey date: <i>MONDAY</i> 04/03/19		<i>Survey Type: MANUAL</i>
3	TW-05-F-03	NURSING HOME	TYNE & WEAR
	MOORE STREET GATESHEAD FELLING SHORE Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of residents: 52 Survey date: <i>THURSDAY</i> 02/05/19		<i>Survey Type: MANUAL</i>
4	WK-05-F-01	NURSING HOME	WARWICKSHIRE
	CLARENDON SQUARE LEAMINGTON SPA Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of residents: 32 Survey date: <i>THURSDAY</i> 25/10/12		<i>Survey Type: MANUAL</i>

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

TRIP RATE for Land Use 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL TOTAL VEHICLES

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.033	4	38	0.046	4	38	0.079
08:00 - 09:00	4	38	0.059	4	38	0.066	4	38	0.125
09:00 - 10:00	4	38	0.099	4	38	0.033	4	38	0.132
10:00 - 11:00	4	38	0.046	4	38	0.099	4	38	0.145
11:00 - 12:00	4	38	0.086	4	38	0.105	4	38	0.191
12:00 - 13:00	4	38	0.066	4	38	0.059	4	38	0.125
13:00 - 14:00	4	38	0.118	4	38	0.033	4	38	0.151
14:00 - 15:00	4	38	0.079	4	38	0.138	4	38	0.217
15:00 - 16:00	4	38	0.092	4	38	0.105	4	38	0.197
16:00 - 17:00	4	38	0.066	4	38	0.079	4	38	0.145
17:00 - 18:00	4	38	0.072	4	38	0.079	4	38	0.151
18:00 - 19:00	4	38	0.059	4	38	0.072	4	38	0.131
19:00 - 20:00	4	38	0.039	4	38	0.046	4	38	0.085
20:00 - 21:00	4	38	0.033	4	38	0.039	4	38	0.072
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.947			0.999			1.946

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: 31 - 52 (units:)
 Survey date range: 01/01/12 - 02/05/19
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys automatically removed from selection: 0
 Surveys manually removed from selection: 0

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

TRIP RATE for Land Use 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL TAXIS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.000	4	38	0.000	4	38	0.000
08:00 - 09:00	4	38	0.000	4	38	0.000	4	38	0.000
09:00 - 10:00	4	38	0.000	4	38	0.000	4	38	0.000
10:00 - 11:00	4	38	0.000	4	38	0.000	4	38	0.000
11:00 - 12:00	4	38	0.007	4	38	0.007	4	38	0.014
12:00 - 13:00	4	38	0.007	4	38	0.000	4	38	0.007
13:00 - 14:00	4	38	0.000	4	38	0.000	4	38	0.000
14:00 - 15:00	4	38	0.000	4	38	0.007	4	38	0.007
15:00 - 16:00	4	38	0.000	4	38	0.000	4	38	0.000
16:00 - 17:00	4	38	0.007	4	38	0.007	4	38	0.014
17:00 - 18:00	4	38	0.007	4	38	0.000	4	38	0.007
18:00 - 19:00	4	38	0.000	4	38	0.007	4	38	0.007
19:00 - 20:00	4	38	0.000	4	38	0.000	4	38	0.000
20:00 - 21:00	4	38	0.000	4	38	0.000	4	38	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.028			0.028			0.056

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL OGVS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.000	4	38	0.000	4	38	0.000
08:00 - 09:00	4	38	0.000	4	38	0.000	4	38	0.000
09:00 - 10:00	4	38	0.000	4	38	0.000	4	38	0.000
10:00 - 11:00	4	38	0.000	4	38	0.000	4	38	0.000
11:00 - 12:00	4	38	0.007	4	38	0.007	4	38	0.014
12:00 - 13:00	4	38	0.000	4	38	0.000	4	38	0.000
13:00 - 14:00	4	38	0.000	4	38	0.000	4	38	0.000
14:00 - 15:00	4	38	0.000	4	38	0.000	4	38	0.000
15:00 - 16:00	4	38	0.007	4	38	0.007	4	38	0.014
16:00 - 17:00	4	38	0.000	4	38	0.000	4	38	0.000
17:00 - 18:00	4	38	0.000	4	38	0.000	4	38	0.000
18:00 - 19:00	4	38	0.000	4	38	0.000	4	38	0.000
19:00 - 20:00	4	38	0.000	4	38	0.000	4	38	0.000
20:00 - 21:00	4	38	0.000	4	38	0.000	4	38	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.014			0.014			0.028

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL PSVS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.000	4	38	0.000	4	38	0.000
08:00 - 09:00	4	38	0.000	4	38	0.007	4	38	0.007
09:00 - 10:00	4	38	0.000	4	38	0.000	4	38	0.000
10:00 - 11:00	4	38	0.000	4	38	0.000	4	38	0.000
11:00 - 12:00	4	38	0.000	4	38	0.000	4	38	0.000
12:00 - 13:00	4	38	0.000	4	38	0.000	4	38	0.000
13:00 - 14:00	4	38	0.000	4	38	0.000	4	38	0.000
14:00 - 15:00	4	38	0.007	4	38	0.000	4	38	0.007
15:00 - 16:00	4	38	0.000	4	38	0.007	4	38	0.007
16:00 - 17:00	4	38	0.000	4	38	0.000	4	38	0.000
17:00 - 18:00	4	38	0.000	4	38	0.000	4	38	0.000
18:00 - 19:00	4	38	0.000	4	38	0.000	4	38	0.000
19:00 - 20:00	4	38	0.000	4	38	0.000	4	38	0.000
20:00 - 21:00	4	38	0.000	4	38	0.000	4	38	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.007			0.014			0.021

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL CYCLISTS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.000	4	38	0.000	4	38	0.000
08:00 - 09:00	4	38	0.000	4	38	0.000	4	38	0.000
09:00 - 10:00	4	38	0.000	4	38	0.000	4	38	0.000
10:00 - 11:00	4	38	0.007	4	38	0.000	4	38	0.007
11:00 - 12:00	4	38	0.000	4	38	0.000	4	38	0.000
12:00 - 13:00	4	38	0.000	4	38	0.007	4	38	0.007
13:00 - 14:00	4	38	0.007	4	38	0.000	4	38	0.007
14:00 - 15:00	4	38	0.000	4	38	0.007	4	38	0.007
15:00 - 16:00	4	38	0.007	4	38	0.000	4	38	0.007
16:00 - 17:00	4	38	0.000	4	38	0.000	4	38	0.000
17:00 - 18:00	4	38	0.007	4	38	0.007	4	38	0.014
18:00 - 19:00	4	38	0.000	4	38	0.007	4	38	0.007
19:00 - 20:00	4	38	0.000	4	38	0.000	4	38	0.000
20:00 - 21:00	4	38	0.000	4	38	0.000	4	38	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.028			0.028			0.056

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 1 RESIDE

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.046	4	38	0.066	4	38	0.112
08:00 - 09:00	4	38	0.086	4	38	0.072	4	38	0.158
09:00 - 10:00	4	38	0.112	4	38	0.046	4	38	0.158
10:00 - 11:00	4	38	0.053	4	38	0.138	4	38	0.191
11:00 - 12:00	4	38	0.105	4	38	0.112	4	38	0.217
12:00 - 13:00	4	38	0.079	4	38	0.066	4	38	0.145
13:00 - 14:00	4	38	0.151	4	38	0.033	4	38	0.184
14:00 - 15:00	4	38	0.086	4	38	0.184	4	38	0.270
15:00 - 16:00	4	38	0.105	4	38	0.132	4	38	0.237
16:00 - 17:00	4	38	0.079	4	38	0.099	4	38	0.178
17:00 - 18:00	4	38	0.079	4	38	0.099	4	38	0.178
18:00 - 19:00	4	38	0.086	4	38	0.099	4	38	0.185
19:00 - 20:00	4	38	0.046	4	38	0.053	4	38	0.099
20:00 - 21:00	4	38	0.033	4	38	0.039	4	38	0.072
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.146			1.238			2.384

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL PEDESTRIANS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.020	4	38	0.007	4	38	0.027
08:00 - 09:00	4	38	0.020	4	38	0.020	4	38	0.040
09:00 - 10:00	4	38	0.039	4	38	0.013	4	38	0.052
10:00 - 11:00	4	38	0.046	4	38	0.026	4	38	0.072
11:00 - 12:00	4	38	0.013	4	38	0.013	4	38	0.026
12:00 - 13:00	4	38	0.033	4	38	0.039	4	38	0.072
13:00 - 14:00	4	38	0.033	4	38	0.020	4	38	0.053
14:00 - 15:00	4	38	0.020	4	38	0.039	4	38	0.059
15:00 - 16:00	4	38	0.020	4	38	0.033	4	38	0.053
16:00 - 17:00	4	38	0.007	4	38	0.020	4	38	0.027
17:00 - 18:00	4	38	0.007	4	38	0.013	4	38	0.020
18:00 - 19:00	4	38	0.039	4	38	0.026	4	38	0.065
19:00 - 20:00	4	38	0.007	4	38	0.059	4	38	0.066
20:00 - 21:00	4	38	0.007	4	38	0.007	4	38	0.014
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.311			0.335			0.646

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL BUS/TRAM PASSENGERS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.007	4	38	0.000	4	38	0.007
08:00 - 09:00	4	38	0.020	4	38	0.007	4	38	0.027
09:00 - 10:00	4	38	0.020	4	38	0.007	4	38	0.027
10:00 - 11:00	4	38	0.007	4	38	0.000	4	38	0.007
11:00 - 12:00	4	38	0.000	4	38	0.000	4	38	0.000
12:00 - 13:00	4	38	0.007	4	38	0.007	4	38	0.014
13:00 - 14:00	4	38	0.000	4	38	0.000	4	38	0.000
14:00 - 15:00	4	38	0.007	4	38	0.007	4	38	0.014
15:00 - 16:00	4	38	0.000	4	38	0.007	4	38	0.007
16:00 - 17:00	4	38	0.013	4	38	0.007	4	38	0.020
17:00 - 18:00	4	38	0.000	4	38	0.000	4	38	0.000
18:00 - 19:00	4	38	0.020	4	38	0.020	4	38	0.040
19:00 - 20:00	4	38	0.007	4	38	0.020	4	38	0.027
20:00 - 21:00	4	38	0.000	4	38	0.007	4	38	0.007
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.108			0.089			0.197

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL TOTAL RAIL PASSENGERS

Calculation factor: **1 RESIDE**

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.000	4	38	0.000	4	38	0.000
08:00 - 09:00	4	38	0.020	4	38	0.000	4	38	0.020
09:00 - 10:00	4	38	0.007	4	38	0.007	4	38	0.014
10:00 - 11:00	4	38	0.000	4	38	0.000	4	38	0.000
11:00 - 12:00	4	38	0.007	4	38	0.000	4	38	0.007
12:00 - 13:00	4	38	0.000	4	38	0.007	4	38	0.007
13:00 - 14:00	4	38	0.007	4	38	0.000	4	38	0.007
14:00 - 15:00	4	38	0.000	4	38	0.000	4	38	0.000
15:00 - 16:00	4	38	0.007	4	38	0.007	4	38	0.014
16:00 - 17:00	4	38	0.007	4	38	0.013	4	38	0.020
17:00 - 18:00	4	38	0.007	4	38	0.013	4	38	0.020
18:00 - 19:00	4	38	0.000	4	38	0.007	4	38	0.007
19:00 - 20:00	4	38	0.000	4	38	0.007	4	38	0.007
20:00 - 21:00	4	38	0.000	4	38	0.007	4	38	0.007
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.062			0.068			0.130

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 1 RESIDE

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.007	4	38	0.000	4	38	0.007
08:00 - 09:00	4	38	0.039	4	38	0.007	4	38	0.046
09:00 - 10:00	4	38	0.026	4	38	0.013	4	38	0.039
10:00 - 11:00	4	38	0.007	4	38	0.000	4	38	0.007
11:00 - 12:00	4	38	0.007	4	38	0.000	4	38	0.007
12:00 - 13:00	4	38	0.007	4	38	0.013	4	38	0.020
13:00 - 14:00	4	38	0.007	4	38	0.000	4	38	0.007
14:00 - 15:00	4	38	0.007	4	38	0.007	4	38	0.014
15:00 - 16:00	4	38	0.007	4	38	0.013	4	38	0.020
16:00 - 17:00	4	38	0.020	4	38	0.020	4	38	0.040
17:00 - 18:00	4	38	0.007	4	38	0.013	4	38	0.020
18:00 - 19:00	4	38	0.020	4	38	0.026	4	38	0.046
19:00 - 20:00	4	38	0.007	4	38	0.026	4	38	0.033
20:00 - 21:00	4	38	0.000	4	38	0.013	4	38	0.013
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.168			0.151			0.319

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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 1 RESIDE

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	4	38	0.072	4	38	0.072	4	38	0.144
08:00 - 09:00	4	38	0.145	4	38	0.099	4	38	0.244
09:00 - 10:00	4	38	0.178	4	38	0.072	4	38	0.250
10:00 - 11:00	4	38	0.112	4	38	0.164	4	38	0.276
11:00 - 12:00	4	38	0.125	4	38	0.125	4	38	0.250
12:00 - 13:00	4	38	0.118	4	38	0.125	4	38	0.243
13:00 - 14:00	4	38	0.197	4	38	0.053	4	38	0.250
14:00 - 15:00	4	38	0.112	4	38	0.237	4	38	0.349
15:00 - 16:00	4	38	0.138	4	38	0.178	4	38	0.316
16:00 - 17:00	4	38	0.105	4	38	0.138	4	38	0.243
17:00 - 18:00	4	38	0.099	4	38	0.132	4	38	0.231
18:00 - 19:00	4	38	0.145	4	38	0.158	4	38	0.303
19:00 - 20:00	4	38	0.059	4	38	0.138	4	38	0.197
20:00 - 21:00	4	38	0.039	4	38	0.059	4	38	0.098
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.644			1.750			3.394

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.