

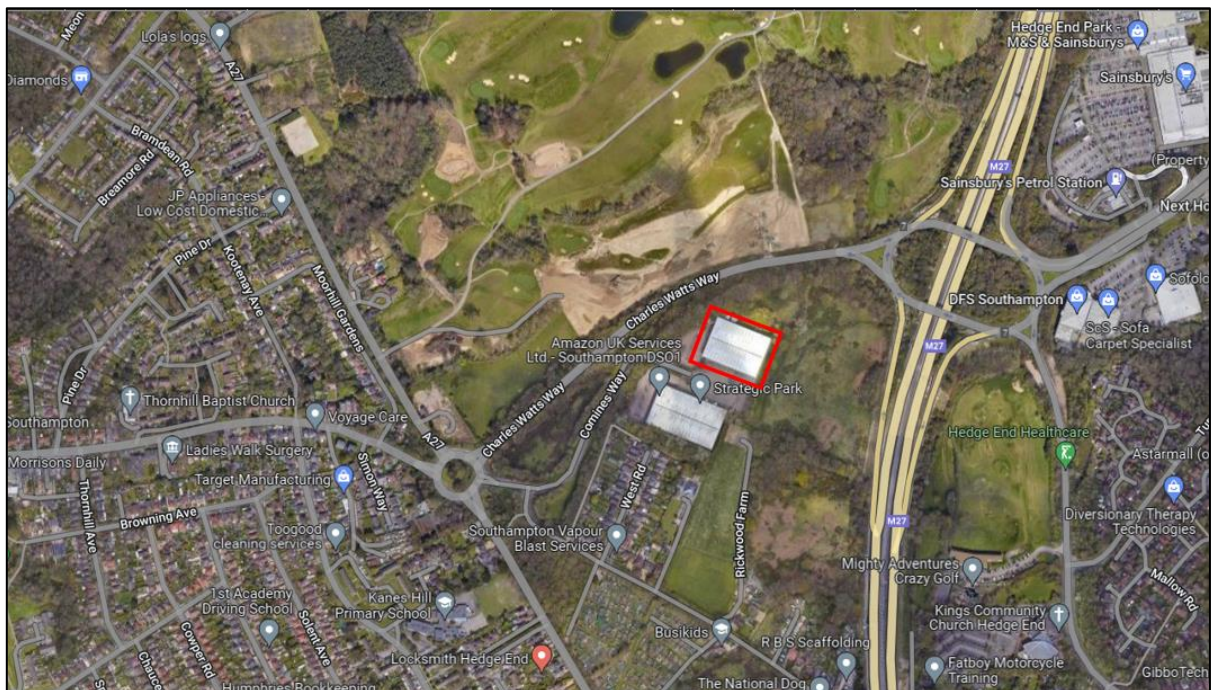
Technical Note

Project No: ITB18447
Project Title: Strategic Park, Hedge End
Title: HGV Trip Generation Assessment
Ref: SJ/GT/ITB18447-001A
Date: 23 November 2022

SECTION 1 Overview

- 1.1 i-Transport LLP have been appointed by F&C Property Holdings Limited to provide highways and transport advice in relation to the change of use of Unit 2 at Strategic Park, Hedge End to provide 5,418sqm of flexible E(g) light industrial / B2 general industrial / B8 storage or distribution space. A planning application was submitted to Eastleigh Borough Council (EBC) (planning ref: F/22/93417) in July 2022 and the site location is presented in **Image 1.1**.

Image 1.1: Site Location



Source: Google Maps

- 1.2 Hampshire County Council (HCC) were consulted on the planning application and in HCC's response dated 4th August 2022 it was confirmed that:

"there is no objection to the proposals from a highways perspective."

- 1.3 Following HCC's response, EBC have requested 24-hour HGV traffic flows are submitted for the potential uses at the site. The purpose of this Technical Note (TN) is to summarise the HGV traffic movements for the potential development mix scenarios, and this is presented in Section 2.

SECTION 2 HGV Traffic Flows

- 2.1 In order to calculate the potential HGV traffic flows, the TRICS database has been interrogated using the parameters set out in **Table 2.1** and the TRICS output reports are presented in **Appendix A**.

Table 2.1: Trip Rate Parameters

Parameters	E(g) Light Industrial	B2 General Industrial	B8 Storage or Distribution
Regions	All of England (except Greater London)		
Range	1,500sqm to 15,000sqm	1,500sqm to 15,000sqm	1,000sqm to 15,000sqm
Time Period	Last 8 years		
Location	Suburban Area, Edge of Town		
Date Relevance	Surveys undertaken during a weekday		

Source: TRICS

- 2.2 Based on the parameters set out in **Table 2.1**, the TRICS database only has trip rates which provide a consistent number of sites between 07:00-19:00 (i.e. 12-hours). A summary of the 12-hour trip rates is presented in **Table 2.2**.

Table 2.2: 12-hour Trip Generation

Land Use		12-hours (07:00-19:00)		
		In	Out	Two-Way
Trip Rates	E(g) Light Industrial	0.285	0.264	0.549
	B2 General Industrial	0.326	0.325	0.651
	B8 Storage or Distribution	0.797	0.723	1.52
Trip Generation	E(g) Light Industrial (5,418sqm)	15	14	29
	B2 General Industrial (5,418sqm)	18	18	36
	B8 Storage or Distribution (5,418sqm)	43	39	82

Source: TRICS

2.3 EBC requested 24-hour HGV flows to be presented for the potential development. No existing traffic survey data is available along Comines Way to determine the existing site traffic generation across a 24-hour period in order calculate a factor to convert the 12-hour trip generation (**Table 2.2**) to 24-hour flows. On this basis, and with the future occupier currently unknown, the TRICS database has been interrogated to derive a 24-hour trip rate for a B8 Warehouse (consistent with the original permitted use). The 12-hour and 24-hour B8 warehouse trip rates are presented in **Table 2.3** and the full TRICS output report is at **Appendix A**.

Table 2.3: B8 Warehouse 12hr-24hr Trip Rates

	B8 Warehouse (5,418sqm)		
	In	Out	Two-Way
12-Hour (07:00-19:00) Trip Rate	0.786	0.716	1.502
24-Hour (00:00-24:00) Trip Rate	1.813	1.828	3.641
12-Hour (07:00-19:00) Trip Generation	43	39	82
24-Hour (00:00-24:00) Trip Generation	98	99	197
Proportion of 12-hr to 24-hr Flows	43%	39%	-

Source: TRICS

Note: Date range for the 24-hour B8 Warehouse trip rate has been extended to year 2002 to get a sufficient number of sites. 12-hr and 24-hr trip rates are derived from the same TRICS output report to derive the conversion factor, so is different to the B8 trip rate presented in **Table 2.2**.

2.4 **Table 2.3** shows 12-hour trips associated with a B8 warehouse are circa 40% of the total 24-hour trip generation. On this basis, the 12-hour traffic flows presented in **Table 2.2** have been uplifted based on these proportions. **Table 2.4** provides a summary of the 24-hour HGV traffic flows for the following potential development scenarios allowing for the flexible use being applied for and the full calculations are presented in **Appendix B**. It should be noted for the purpose of this exercise, it has been assumed B8 Warehouse will form 50% of Scenarios 4 and 5 to provide a robust assessment as the highest HGV trip generator:

- Scenario 1: 100% B8 Warehouse
- Scenario 2: 100% B2 General Industrial
- Scenario 3: 100% E(g) Light Industrial
- Scenario 4: 50% B8 Warehouse, 50% B2 General Industrial
- Scenario 5: 50% B8 Warehouse, 50% E(g) Light Industrial

Table 2.4: Development 24-Hour HGV Flows

Scenario	HGV Traffic Flows		
	In	Out	Two-Way
Scenario 1: 100% B8 Warehouse	100	100	200
Scenario 2: 100% B2 General Industrial	41	45	86
Scenario 3: 100% E(g) Light Industrial	36	37	73
Scenario 4: 50% B8 Warehouse, 50% B2 General Industrial	70	72	142
Scenario 5: 50% B8 Warehouse, 50% E(g) Light Industrial	68	68	136

Source: TRICS

2.5 **Table 2.4** shows the potential development could generate between 73 HGV movements per day (circa 3 per hour on average) and 200 HGV movements per day (8 per hour on average). It should be noted this is a robust assessment and to derive a 24-hour trip rate, sites much larger than the potential development have been included to cover the period between 19:00 and 07:00. Trip rate data from the year 2002 has also been included to ensure sufficient sites are available to cover the full 24-hour period. This adds to the robust nature of the assessment as this data would include less efficient logistical practices compared to what is currently available. Whilst **Table 2.4** shows 100% B8 warehouse could generate up to 200 HGV movements, the future occupier of the site is likely to generate fewer HGV movements.

SECTION 3 Summary

3.1.1 The TRICS database has been interrogated to derive suitable trip rates to represent the potential future development site. The 12-hour trip rates have been factored to a 24-hour traffic flow and it has been demonstrated the potential site could generate between 3 and 8 HGV movements per hour on average depending on the development mix. This assessment provides a robust assessment to address EBC's request for additional information.

APPENDIX A. TRICS OUTPUT REPORTS

Calculation Reference: AUDIT-236601-221117-1147

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : C - INDUSTRIAL UNIT
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	HC HAMPSHIRE	1 days
03	SOUTH WEST	
	DV DEVON	1 days
05	EAST MIDLANDS	
	DY DERBY	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days
08	NORTH WEST	
	AC CHESHIRE WEST & CHESTER	1 days
	EC CHESHIRE EAST	1 days
09	NORTH	
	CB CUMBRIA	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 1976 to 13350 (units: sqm)
 Range Selected by User: 1500 to 15000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 10/11/21

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

Selected survey days:

Monday	2 days
Tuesday	2 days
Wednesday	2 days
Thursday	3 days

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

Selected survey types:

Manual count	9 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	4
Edge of Town	5

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	8
Development Zone	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village,

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Secondary Filtering selection:

Use Class:

Not Known 9 days

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

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

5,001 to 10,000	3 days
10,001 to 15,000	1 days
15,001 to 20,000	1 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
50,001 to 75,000	1 days
75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	2 days
500,001 or More	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	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	AC-02-C-02	INDUSTRIAL MATERIALS	CHESHIRE WEST & CHESTER
	JUPITER DRIVE		
	CHESTER		
	CHESTER W. EMP. PARK		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	8100 sqm	
	Survey date: WEDNESDAY	19/11/14	Survey Type: MANUAL
2	CB-02-C-01	DOMINO'S PIZZA	CUMBRIA
	COWPER ROAD		
	PENRITH		
	GILWILLY IND. ESTATE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	2950 sqm	
	Survey date: TUESDAY	10/06/14	Survey Type: MANUAL
3	DV-02-C-02	ENERGY RECOVERY FACILITY	DEVON
	GRACE ROAD SOUTH		
	EXETER		
	MARSH BARTON TRAD. EST.		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	3513 sqm	
	Survey date: THURSDAY	06/07/17	Survey Type: MANUAL
4	DY-02-C-01	ENGINEERED PRODUCTS	DERBY
	PONTEFRAC STREET		
	DERBY		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	2600 sqm	
	Survey date: THURSDAY	25/06/15	Survey Type: MANUAL
5	EC-02-C-01	OFFICE FURNITURE	CHESHIRE EAST
	BRUNEL ROAD		
	MACCLESFIELD		
	LYME GREEN BUS. PARK		
	Edge of Town		
	Development Zone		
	Total Gross floor area:	6658 sqm	
	Survey date: MONDAY	19/09/16	Survey Type: MANUAL
6	HC-02-C-01	ENGINEERING COMPANY	HAMPSHIRE
	JAYS CLOSE		
	BASINGSTOKE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	3000 sqm	
	Survey date: THURSDAY	16/06/16	Survey Type: MANUAL
7	WK-02-C-01	MACHINE ENGINEERING	WARWICKSHIRE
	CASTLE MOUND WAY		
	RUGBY		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	9216 sqm	
	Survey date: WEDNESDAY	10/11/21	Survey Type: MANUAL
8	WM-02-C-04	FOUNDRY	WEST MIDLANDS
	STOURVALE ROAD		
	STOURBRIDGE		
	LYE		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	4324 sqm	
	Survey date: TUESDAY	21/11/17	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9

WY-02-C-02 FLUID SYSTEMS WEST YORKSHIRE

BROWN LANE WEST

LEEDS

HOLBECK

Suburban Area (PPS6 Out of Centre)

Industrial Zone

Total Gross floor area: 13350 sqm

Survey date: MONDAY 19/10/15

Survey Type: MANUAL

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
EC-02-C-02	COVID
GS-02-C-02	COVID

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TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.107	2	5596	0.000	2	5596	0.107
06:00 - 07:00	3	8181	0.269	3	8181	0.004	3	8181	0.273
07:00 - 08:00	9	5860	0.353	9	5860	0.049	9	5860	0.402
08:00 - 09:00	9	5860	0.349	9	5860	0.042	9	5860	0.391
09:00 - 10:00	9	5860	0.171	9	5860	0.116	9	5860	0.287
10:00 - 11:00	9	5860	0.116	9	5860	0.089	9	5860	0.205
11:00 - 12:00	9	5860	0.078	9	5860	0.097	9	5860	0.175
12:00 - 13:00	9	5860	0.146	9	5860	0.167	9	5860	0.313
13:00 - 14:00	9	5860	0.133	9	5860	0.163	9	5860	0.296
14:00 - 15:00	9	5860	0.082	9	5860	0.099	9	5860	0.181
15:00 - 16:00	9	5860	0.064	9	5860	0.173	9	5860	0.237
16:00 - 17:00	9	5860	0.038	9	5860	0.385	9	5860	0.423
17:00 - 18:00	9	5860	0.025	9	5860	0.210	9	5860	0.235
18:00 - 19:00	9	5860	0.019	9	5860	0.116	9	5860	0.135
19:00 - 20:00	2	5596	0.054	2	5596	0.054	2	5596	0.108
20:00 - 21:00	2	5596	0.027	2	5596	0.036	2	5596	0.063
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.031			1.800			3.831

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:	1976 - 13350 (units: sqm)
Survey date range:	01/01/14 - 10/11/21
Number of weekdays (Monday-Friday):	9
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	2

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.

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TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

TAXIS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
06:00 - 07:00	3	8181	0.000	3	8181	0.000	3	8181	0.000
07:00 - 08:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
08:00 - 09:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
09:00 - 10:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
10:00 - 11:00	9	5860	0.004	9	5860	0.004	9	5860	0.008
11:00 - 12:00	9	5860	0.004	9	5860	0.004	9	5860	0.008
12:00 - 13:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
13:00 - 14:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
14:00 - 15:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
15:00 - 16:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
16:00 - 17:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
17:00 - 18:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
18:00 - 19:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
19:00 - 20:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
20:00 - 21:00	2	5596	0.000	2	5596	0.000	2	5596	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 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
06:00 - 07:00	3	8181	0.008	3	8181	0.000	3	8181	0.008
07:00 - 08:00	9	5860	0.028	9	5860	0.021	9	5860	0.049
08:00 - 09:00	9	5860	0.038	9	5860	0.019	9	5860	0.057
09:00 - 10:00	9	5860	0.038	9	5860	0.038	9	5860	0.076
10:00 - 11:00	9	5860	0.028	9	5860	0.021	9	5860	0.049
11:00 - 12:00	9	5860	0.028	9	5860	0.034	9	5860	0.062
12:00 - 13:00	9	5860	0.040	9	5860	0.049	9	5860	0.089
13:00 - 14:00	9	5860	0.040	9	5860	0.027	9	5860	0.067
14:00 - 15:00	9	5860	0.015	9	5860	0.013	9	5860	0.028
15:00 - 16:00	9	5860	0.019	9	5860	0.019	9	5860	0.038
16:00 - 17:00	9	5860	0.009	9	5860	0.019	9	5860	0.028
17:00 - 18:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
18:00 - 19:00	9	5860	0.000	9	5860	0.002	9	5860	0.002
19:00 - 20:00	2	5596	0.000	2	5596	0.054	2	5596	0.054
20:00 - 21:00	2	5596	0.000	2	5596	0.027	2	5596	0.027
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.293			0.345			0.638

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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TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

PSVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
06:00 - 07:00	3	8181	0.000	3	8181	0.000	3	8181	0.000
07:00 - 08:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
08:00 - 09:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
09:00 - 10:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
10:00 - 11:00	9	5860	0.002	9	5860	0.000	9	5860	0.002
11:00 - 12:00	9	5860	0.000	9	5860	0.002	9	5860	0.002
12:00 - 13:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
13:00 - 14:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
14:00 - 15:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
15:00 - 16:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
16:00 - 17:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
17:00 - 18:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
18:00 - 19:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
19:00 - 20:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
20:00 - 21:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.006			0.006			0.012

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
06:00 - 07:00	3	8181	0.016	3	8181	0.000	3	8181	0.016
07:00 - 08:00	9	5860	0.017	9	5860	0.000	9	5860	0.017
08:00 - 09:00	9	5860	0.006	9	5860	0.000	9	5860	0.006
09:00 - 10:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
10:00 - 11:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
11:00 - 12:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
12:00 - 13:00	9	5860	0.000	9	5860	0.002	9	5860	0.002
13:00 - 14:00	9	5860	0.004	9	5860	0.004	9	5860	0.008
14:00 - 15:00	9	5860	0.000	9	5860	0.006	9	5860	0.006
15:00 - 16:00	9	5860	0.000	9	5860	0.006	9	5860	0.006
16:00 - 17:00	9	5860	0.000	9	5860	0.015	9	5860	0.015
17:00 - 18:00	9	5860	0.000	9	5860	0.013	9	5860	0.013
18:00 - 19:00	9	5860	0.000	9	5860	0.004	9	5860	0.004
19:00 - 20:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
20:00 - 21:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.043			0.050			0.093

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

CARS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.098	2	5596	0.000	2	5596	0.098
06:00 - 07:00	3	8181	0.208	3	8181	0.004	3	8181	0.212
07:00 - 08:00	9	5860	0.292	9	5860	0.019	9	5860	0.311
08:00 - 09:00	9	5860	0.283	9	5860	0.011	9	5860	0.294
09:00 - 10:00	9	5860	0.097	9	5860	0.049	9	5860	0.146
10:00 - 11:00	9	5860	0.038	9	5860	0.025	9	5860	0.063
11:00 - 12:00	9	5860	0.025	9	5860	0.036	9	5860	0.061
12:00 - 13:00	9	5860	0.064	9	5860	0.085	9	5860	0.149
13:00 - 14:00	9	5860	0.076	9	5860	0.100	9	5860	0.176
14:00 - 15:00	9	5860	0.030	9	5860	0.051	9	5860	0.081
15:00 - 16:00	9	5860	0.019	9	5860	0.114	9	5860	0.133
16:00 - 17:00	9	5860	0.019	9	5860	0.324	9	5860	0.343
17:00 - 18:00	9	5860	0.019	9	5860	0.195	9	5860	0.214
18:00 - 19:00	9	5860	0.017	9	5860	0.112	9	5860	0.129
19:00 - 20:00	2	5596	0.054	2	5596	0.000	2	5596	0.054
20:00 - 21:00	2	5596	0.027	2	5596	0.000	2	5596	0.027
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.366			1.125			2.491

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

LGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
06:00 - 07:00	3	8181	0.049	3	8181	0.000	3	8181	0.049
07:00 - 08:00	9	5860	0.030	9	5860	0.009	9	5860	0.039
08:00 - 09:00	9	5860	0.025	9	5860	0.011	9	5860	0.036
09:00 - 10:00	9	5860	0.030	9	5860	0.023	9	5860	0.053
10:00 - 11:00	9	5860	0.044	9	5860	0.040	9	5860	0.084
11:00 - 12:00	9	5860	0.021	9	5860	0.021	9	5860	0.042
12:00 - 13:00	9	5860	0.038	9	5860	0.028	9	5860	0.066
13:00 - 14:00	9	5860	0.015	9	5860	0.034	9	5860	0.049
14:00 - 15:00	9	5860	0.034	9	5860	0.032	9	5860	0.066
15:00 - 16:00	9	5860	0.025	9	5860	0.034	9	5860	0.059
16:00 - 17:00	9	5860	0.009	9	5860	0.038	9	5860	0.047
17:00 - 18:00	9	5860	0.004	9	5860	0.008	9	5860	0.012
18:00 - 19:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
19:00 - 20:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
20:00 - 21:00	2	5596	0.000	2	5596	0.009	2	5596	0.009
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.324			0.287			0.611

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

MOTOR CYCLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5596	0.009	2	5596	0.000	2	5596	0.009
06:00 - 07:00	3	8181	0.004	3	8181	0.000	3	8181	0.004
07:00 - 08:00	9	5860	0.002	9	5860	0.000	9	5860	0.002
08:00 - 09:00	9	5860	0.004	9	5860	0.000	9	5860	0.004
09:00 - 10:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
10:00 - 11:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
11:00 - 12:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
12:00 - 13:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
13:00 - 14:00	9	5860	0.002	9	5860	0.002	9	5860	0.004
14:00 - 15:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
15:00 - 16:00	9	5860	0.002	9	5860	0.006	9	5860	0.008
16:00 - 17:00	9	5860	0.000	9	5860	0.004	9	5860	0.004
17:00 - 18:00	9	5860	0.000	9	5860	0.006	9	5860	0.006
18:00 - 19:00	9	5860	0.000	9	5860	0.000	9	5860	0.000
19:00 - 20:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
20:00 - 21:00	2	5596	0.000	2	5596	0.000	2	5596	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.027			0.022			0.049

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.

Calculation Reference: AUDIT-236601-221117-1146

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : D - INDUSTRIAL ESTATE
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BH BRIGHTON & HOVE	1 days
	EX ESSEX	2 days
03	SOUTH WEST	
	DV DEVON	1 days
	SD SWINDON	1 days
04	EAST ANGLIA	
	PB PETERBOROUGH	1 days
05	EAST MIDLANDS	
	DY DERBY	1 days
	LN LINCOLNSHIRE	1 days
	NN NORTH NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	SY SOUTH YORKSHIRE	1 days
	WY WEST YORKSHIRE	4 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	3 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: Gross floor area
 Actual Range: 1776 to 12900 (units: sqm)
 Range Selected by User: 1500 to 15000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 21/09/21

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

Selected survey days:

Monday	4 days
Tuesday	6 days
Wednesday	2 days
Thursday	4 days
Friday	5 days

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

Selected survey types:

Manual count	21 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)	8
Edge of Town	13

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:

Not Known 21 days

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

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	2 days
10,001 to 15,000	3 days
15,001 to 20,000	4 days
20,001 to 25,000	2 days
25,001 to 50,000	8 days
50,001 to 100,000	1 days

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

Population within 5 miles:

75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	15 days
250,001 to 500,000	4 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	9 days
1.1 to 1.5	10 days
1.6 to 2.0	2 days

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

Travel Plan:

No 21 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 21 days

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

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LIST OF SITES relevant to selection parameters

1	BH-02-D-03 HUGHES ROAD BRIGHTON	INDUSTRIAL ESTATE	BRIGHTON & HOVE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 6625 sqm Survey date: THURSDAY 16/10/14 Survey Type: MANUAL		
2	DV-02-D-07 BITTERN ROAD EXETER SOWTON IND. ESTATE Edge of Town Industrial Zone	INDUSTRIAL ESTATE	DEVON
	Total Gross floor area: 3600 sqm Survey date: MONDAY 03/07/17 Survey Type: MANUAL		
3	DY-02-D-01 SHAFTESBURY STREET DERBY ROSE HILL Suburban Area (PPS6 Out of Centre) No Sub Category	INDUSTRIAL ESTATE	DERBY
	Total Gross floor area: 5686 sqm Survey date: WEDNESDAY 25/09/19 Survey Type: MANUAL		
4	EX-02-D-03 WYNCOLLS ROAD COLCHESTER SEVERALLS INDUSTRIAL PK Edge of Town Industrial Zone	INDUSTRIAL ESTATE	ESSEX
	Total Gross floor area: 4876 sqm Survey date: FRIDAY 18/05/18 Survey Type: MANUAL		
5	EX-02-D-05 HECKWORTH CLOSE COLCHESTER SEVERALLS INDUSTRIAL PK Edge of Town Industrial Zone	INDUSTRIAL ESTATE	ESSEX
	Total Gross floor area: 7280 sqm Survey date: FRIDAY 18/05/18 Survey Type: MANUAL		
6	GM-02-D-07 VULCAN STREET OLDHAM	BUSINESS PARK	GREATER MANCHESTER
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 4400 sqm Survey date: THURSDAY 22/10/15 Survey Type: MANUAL		
7	LC-02-D-06 SMALLSHAW LANE BURNLEY	INDUSTRIAL ESTATE	LANCASHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 7383 sqm Survey date: THURSDAY 29/09/16 Survey Type: MANUAL		
8	LC-02-D-07 CHAIN CAUL WAY PRESTON ASHTON-ON-RIBBLE Edge of Town Industrial Zone	INDUSTRIAL ESTATE	LANCASHIRE
	Total Gross floor area: 4700 sqm Survey date: FRIDAY 17/11/17 Survey Type: MANUAL		

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LIST OF SITES relevant to selection parameters (Cont.)

9	LC-02-D-08 NOOK LANE BAMBER BRIDGE	INDUSTRIAL ESTATE	LANCASHIRE
	Edge of Town Industrial Zone Total Gross floor area:	4000 sqm	
	Survey date: TUESDAY	06/11/18	Survey Type: MANUAL
10	LN-02-D-03 DEACON ROAD LINCOLN	INDUSTRIAL ESTATE	LINCOLNSHIRE
	Edge of Town Industrial Zone Total Gross floor area:	11265 sqm	
	Survey date: FRIDAY	28/06/19	Survey Type: MANUAL
11	NN-02-D-01 ROBINSON WAY KETTERING	INDUSTRIAL ESTATE	NORTH NORTHAMPTONSHIRE
	Edge of Town Industrial Zone Total Gross floor area:	12900 sqm	
	Survey date: THURSDAY	23/10/14	Survey Type: MANUAL
12	PB-02-D-03 LINCOLN ROAD PETERBOROUGH	INDUSTRIAL ESTATE	PETERBOROUGH
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:	4133 sqm	
	Survey date: TUESDAY	02/12/14	Survey Type: MANUAL
13	SD-02-D-01 HEADLANDS GROVE SWINDON	INDUSTRIAL ESTATE	SWINDON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	10000 sqm	
	Survey date: TUESDAY	20/09/16	Survey Type: MANUAL
14	SY-02-D-04 MIDDLE BANK DONCASTER	INDUSTRIAL ESTATE	SOUTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	6737 sqm	
	Survey date: TUESDAY	21/09/21	Survey Type: MANUAL
15	TW-02-D-08 NORTH HYLTON ROAD SUNDERLAND SOUTHWICK	INDUSTRIAL ESTATE	TYNE & WEAR
	Suburban Area (PPS6 Out of Centre) Development Zone Total Gross floor area:	8310 sqm	
	Survey date: TUESDAY	04/04/17	Survey Type: MANUAL
16	WO-02-D-01 SANDY LANE STOURPORT-ON-SEVERN	INDUSTRIAL ESTATE	WORCESTERSHIRE
	Edge of Town Commercial Zone Total Gross floor area:	2758 sqm	
	Survey date: FRIDAY	23/05/14	Survey Type: MANUAL

i-Transport Grove House Basingstoke

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LIST OF SITES relevant to selection parameters (Cont.)

17	WO-02-D-02	INDUSTRIAL ESTATE	WORCESTERSHIRE
	WEIR LANE		
	WORCESTER		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	9500 sqm	
	Survey date: MONDAY	14/11/16	Survey Type: MANUAL
18	WY-02-D-05	INDUSTRIAL ESTATE	WEST YORKSHIRE
	CARR WOOD ROAD		
	CASTLEFORD		
	Edge of Town		
	Development Zone		
	Total Gross floor area:	1776 sqm	
	Survey date: MONDAY	22/05/17	Survey Type: MANUAL
19	WY-02-D-06	INDUSTRIAL ESTATE (PART)	WEST YORKSHIRE
	PIONEER WAY		
	CASTLEFORD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	4328 sqm	
	Survey date: TUESDAY	23/05/17	Survey Type: MANUAL
20	WY-02-D-07	INDUSTRIAL ESTATE	WEST YORKSHIRE
	THUNDERHEAD RIDGE RD		
	CASTLEFORD		
	GLASSHOUGHTON		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	3191 sqm	
	Survey date: MONDAY	15/05/17	Survey Type: MANUAL
21	WY-02-D-08	INDUSTRIAL ESTATE	WEST YORKSHIRE
	MILL LANE		
	HALIFAX		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	11305 sqm	
	Survey date: WEDNESDAY	17/10/18	Survey Type: MANUAL

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
NM-02-D-01	COVID
SF-02-D-03	COVID

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Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.292	2	5817	0.009	2	5817	0.301
06:00 - 07:00	3	7633	0.052	3	7633	0.026	3	7633	0.078
07:00 - 08:00	21	6141	0.457	21	6141	0.123	21	6141	0.580
08:00 - 09:00	21	6141	0.567	21	6141	0.332	21	6141	0.899
09:00 - 10:00	21	6141	0.495	21	6141	0.399	21	6141	0.894
10:00 - 11:00	21	6141	0.436	21	6141	0.426	21	6141	0.862
11:00 - 12:00	21	6141	0.438	21	6141	0.466	21	6141	0.904
12:00 - 13:00	21	6141	0.446	21	6141	0.483	21	6141	0.929
13:00 - 14:00	21	6141	0.440	21	6141	0.452	21	6141	0.892
14:00 - 15:00	21	6141	0.401	21	6141	0.445	21	6141	0.846
15:00 - 16:00	21	6141	0.340	21	6141	0.447	21	6141	0.787
16:00 - 17:00	21	6141	0.359	21	6141	0.539	21	6141	0.898
17:00 - 18:00	21	6141	0.207	21	6141	0.453	21	6141	0.660
18:00 - 19:00	21	6141	0.074	21	6141	0.166	21	6141	0.240
19:00 - 20:00	3	7633	0.013	3	7633	0.057	3	7633	0.070
20:00 - 21:00	3	7633	0.000	3	7633	0.004	3	7633	0.004
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			5.017			4.827			9.844

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:	1776 - 12900 (units: sqm)
Survey date range:	01/01/14 - 21/09/21
Number of weekdays (Monday-Friday):	21
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	2

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

TAXIS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.009	2	5817	0.009	2	5817	0.018
06:00 - 07:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
07:00 - 08:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
08:00 - 09:00	21	6141	0.003	21	6141	0.003	21	6141	0.006
09:00 - 10:00	21	6141	0.002	21	6141	0.002	21	6141	0.004
10:00 - 11:00	21	6141	0.002	21	6141	0.002	21	6141	0.004
11:00 - 12:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
12:00 - 13:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
13:00 - 14:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
14:00 - 15:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
15:00 - 16:00	21	6141	0.003	21	6141	0.002	21	6141	0.005
16:00 - 17:00	21	6141	0.002	21	6141	0.002	21	6141	0.004
17:00 - 18:00	21	6141	0.002	21	6141	0.002	21	6141	0.004
18:00 - 19:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
19:00 - 20:00	3	7633	0.004	3	7633	0.004	3	7633	0.008
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.030			0.029			0.059

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.000	2	5817	0.000	2	5817	0.000
06:00 - 07:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
07:00 - 08:00	21	6141	0.019	21	6141	0.010	21	6141	0.029
08:00 - 09:00	21	6141	0.032	21	6141	0.038	21	6141	0.070
09:00 - 10:00	21	6141	0.045	21	6141	0.046	21	6141	0.091
10:00 - 11:00	21	6141	0.033	21	6141	0.040	21	6141	0.073
11:00 - 12:00	21	6141	0.035	21	6141	0.038	21	6141	0.073
12:00 - 13:00	21	6141	0.041	21	6141	0.033	21	6141	0.074
13:00 - 14:00	21	6141	0.036	21	6141	0.025	21	6141	0.061
14:00 - 15:00	21	6141	0.032	21	6141	0.038	21	6141	0.070
15:00 - 16:00	21	6141	0.029	21	6141	0.028	21	6141	0.057
16:00 - 17:00	21	6141	0.013	21	6141	0.016	21	6141	0.029
17:00 - 18:00	21	6141	0.009	21	6141	0.009	21	6141	0.018
18:00 - 19:00	21	6141	0.002	21	6141	0.004	21	6141	0.006
19:00 - 20:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.326			0.325			0.651

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

PSVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.000	2	5817	0.000	2	5817	0.000
06:00 - 07:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
07:00 - 08:00	21	6141	0.000	21	6141	0.005	21	6141	0.005
08:00 - 09:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
09:00 - 10:00	21	6141	0.004	21	6141	0.002	21	6141	0.006
10:00 - 11:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
11:00 - 12:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
12:00 - 13:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
13:00 - 14:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
14:00 - 15:00	21	6141	0.001	21	6141	0.004	21	6141	0.005
15:00 - 16:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
16:00 - 17:00	21	6141	0.002	21	6141	0.000	21	6141	0.002
17:00 - 18:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
18:00 - 19:00	21	6141	0.002	21	6141	0.000	21	6141	0.002
19:00 - 20:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.015			0.015			0.030

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.000	2	5817	0.000	2	5817	0.000
06:00 - 07:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
07:00 - 08:00	21	6141	0.009	21	6141	0.001	21	6141	0.010
08:00 - 09:00	21	6141	0.005	21	6141	0.003	21	6141	0.008
09:00 - 10:00	21	6141	0.004	21	6141	0.001	21	6141	0.005
10:00 - 11:00	21	6141	0.001	21	6141	0.002	21	6141	0.003
11:00 - 12:00	21	6141	0.001	21	6141	0.002	21	6141	0.003
12:00 - 13:00	21	6141	0.001	21	6141	0.001	21	6141	0.002
13:00 - 14:00	21	6141	0.005	21	6141	0.003	21	6141	0.008
14:00 - 15:00	21	6141	0.001	21	6141	0.004	21	6141	0.005
15:00 - 16:00	21	6141	0.003	21	6141	0.003	21	6141	0.006
16:00 - 17:00	21	6141	0.005	21	6141	0.007	21	6141	0.012
17:00 - 18:00	21	6141	0.005	21	6141	0.012	21	6141	0.017
18:00 - 19:00	21	6141	0.000	21	6141	0.002	21	6141	0.002
19:00 - 20:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.040			0.041			0.081

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

CARS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.284	2	5817	0.000	2	5817	0.284
06:00 - 07:00	3	7633	0.044	3	7633	0.017	3	7633	0.061
07:00 - 08:00	21	6141	0.290	21	6141	0.033	21	6141	0.323
08:00 - 09:00	21	6141	0.343	21	6141	0.099	21	6141	0.442
09:00 - 10:00	21	6141	0.281	21	6141	0.169	21	6141	0.450
10:00 - 11:00	21	6141	0.232	21	6141	0.212	21	6141	0.444
11:00 - 12:00	21	6141	0.234	21	6141	0.249	21	6141	0.483
12:00 - 13:00	21	6141	0.249	21	6141	0.295	21	6141	0.544
13:00 - 14:00	21	6141	0.252	21	6141	0.284	21	6141	0.536
14:00 - 15:00	21	6141	0.215	21	6141	0.264	21	6141	0.479
15:00 - 16:00	21	6141	0.181	21	6141	0.298	21	6141	0.479
16:00 - 17:00	21	6141	0.234	21	6141	0.376	21	6141	0.610
17:00 - 18:00	21	6141	0.161	21	6141	0.385	21	6141	0.546
18:00 - 19:00	21	6141	0.059	21	6141	0.133	21	6141	0.192
19:00 - 20:00	3	7633	0.009	3	7633	0.052	3	7633	0.061
20:00 - 21:00	3	7633	0.000	3	7633	0.004	3	7633	0.004
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.068			2.870			5.938

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

LGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.000	2	5817	0.000	2	5817	0.000
06:00 - 07:00	3	7633	0.009	3	7633	0.009	3	7633	0.018
07:00 - 08:00	21	6141	0.149	21	6141	0.074	21	6141	0.223
08:00 - 09:00	21	6141	0.188	21	6141	0.191	21	6141	0.379
09:00 - 10:00	21	6141	0.161	21	6141	0.180	21	6141	0.341
10:00 - 11:00	21	6141	0.167	21	6141	0.171	21	6141	0.338
11:00 - 12:00	21	6141	0.167	21	6141	0.176	21	6141	0.343
12:00 - 13:00	21	6141	0.154	21	6141	0.155	21	6141	0.309
13:00 - 14:00	21	6141	0.150	21	6141	0.142	21	6141	0.292
14:00 - 15:00	21	6141	0.153	21	6141	0.139	21	6141	0.292
15:00 - 16:00	21	6141	0.125	21	6141	0.116	21	6141	0.241
16:00 - 17:00	21	6141	0.108	21	6141	0.144	21	6141	0.252
17:00 - 18:00	21	6141	0.035	21	6141	0.054	21	6141	0.089
18:00 - 19:00	21	6141	0.010	21	6141	0.026	21	6141	0.036
19:00 - 20:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.576			1.577			3.153

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

MOTOR CYCLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	5817	0.000	2	5817	0.000	2	5817	0.000
06:00 - 07:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
07:00 - 08:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
08:00 - 09:00	21	6141	0.003	21	6141	0.000	21	6141	0.003
09:00 - 10:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
10:00 - 11:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
11:00 - 12:00	21	6141	0.001	21	6141	0.002	21	6141	0.003
12:00 - 13:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
13:00 - 14:00	21	6141	0.002	21	6141	0.001	21	6141	0.003
14:00 - 15:00	21	6141	0.000	21	6141	0.000	21	6141	0.000
15:00 - 16:00	21	6141	0.001	21	6141	0.002	21	6141	0.003
16:00 - 17:00	21	6141	0.000	21	6141	0.002	21	6141	0.002
17:00 - 18:00	21	6141	0.000	21	6141	0.003	21	6141	0.003
18:00 - 19:00	21	6141	0.000	21	6141	0.002	21	6141	0.002
19:00 - 20:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
20:00 - 21:00	3	7633	0.000	3	7633	0.000	3	7633	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.015			0.016			0.031

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.

Calculation Reference: AUDIT-236601-221117-1156

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : F - WAREHOUSING (COMMERCIAL)
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	EX ESSEX	1 days
	HC HAMPSHIRE	2 days
	MW MEDWAY	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 3625 to 13200 (units: sqm)
 Range Selected by User: 1000 to 15000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 27/09/21

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

Selected survey days:

Monday	2 days
Thursday	2 days
Friday	3 days

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

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

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

Selected Locations:

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

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	5
Commercial Zone	2

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.

i-Transport Grove House Basingstoke

Licence No: 236601

Secondary Filtering selection:

Use Class:

n/a	1 days
B8	6 days

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

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

5,001 to 10,000	1 days
10,001 to 15,000	2 days
15,001 to 20,000	2 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:

5,001 to 25,000	1 days
125,001 to 250,000	4 days
250,001 to 500,000	1 days
500,001 or More	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	5 days

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

Travel Plan:

No	7 days
----	--------

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

PTAL Rating:

No PTAL Present	7 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	EX-02-F-01 BRUNEL WAY COLCHESTER SEVERALLS INDUSTRIAL PK Edge of Town Industrial Zone Total Gross floor area: 6560 sqm Survey date: FRIDAY 18/05/18	SPORTS SUPPLEMENTS ESSEX	Survey Type: MANUAL
2	HC-02-F-02 RUTHERFORD ROAD BASINGSTOKE Suburban Area (PPS6 Out of Centre) Commercial Zone Total Gross floor area: 13200 sqm Survey date: THURSDAY 16/06/16	LOGISTICS HAMPSHIRE	Survey Type: MANUAL
3	HC-02-F-03 WARSASH ROAD PARK GATE Edge of Town Industrial Zone Total Gross floor area: 3665 sqm Survey date: MONDAY 27/09/21	PPE DISTRIBUTION HAMPSHIRE	Survey Type: MANUAL
4	MW-02-F-02 MILLS ROAD AYLESFORD QUARRY WOOD Edge of Town Industrial Zone Total Gross floor area: 11200 sqm Survey date: FRIDAY 22/09/17	COMMERCIAL WAREHOUSING MEDWAY	Survey Type: MANUAL
5	SF-02-F-03 CENTRAL AVENUE IPSWICH WARREN HEATH Edge of Town Industrial Zone Total Gross floor area: 4700 sqm Survey date: FRIDAY 18/09/15	ROAD HAULAGE SUFFOLK	Survey Type: MANUAL
6	WM-02-F-02 SOVEREIGN ROAD BIRMINGHAM KINGS NORTON Edge of Town Commercial Zone Total Gross floor area: 3625 sqm Survey date: MONDAY 09/11/15	LOGISTICS FIRM WEST MIDLANDS	Survey Type: MANUAL
7	WY-02-F-02 STAITHGATE LANE BRADFORD NEWHALL Edge of Town Industrial Zone Total Gross floor area: 10446 sqm Survey date: THURSDAY 14/03/19	DISTRIBUTION COMPANY WEST YORKSHIRE	Survey Type: MANUAL

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
BO-02-F-01	COVID

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.354	1	10446	0.172	1	10446	0.526
06:00 - 07:00	1	10446	0.565	1	10446	0.249	1	10446	0.814
07:00 - 08:00	7	7628	0.290	7	7628	0.159	7	7628	0.449
08:00 - 09:00	7	7628	0.245	7	7628	0.167	7	7628	0.412
09:00 - 10:00	7	7628	0.217	7	7628	0.118	7	7628	0.335
10:00 - 11:00	7	7628	0.180	7	7628	0.159	7	7628	0.339
11:00 - 12:00	7	7628	0.163	7	7628	0.178	7	7628	0.341
12:00 - 13:00	7	7628	0.176	7	7628	0.142	7	7628	0.318
13:00 - 14:00	7	7628	0.187	7	7628	0.208	7	7628	0.395
14:00 - 15:00	7	7628	0.161	7	7628	0.210	7	7628	0.371
15:00 - 16:00	7	7628	0.150	7	7628	0.243	7	7628	0.393
16:00 - 17:00	7	7628	0.139	7	7628	0.251	7	7628	0.390
17:00 - 18:00	7	7628	0.148	7	7628	0.275	7	7628	0.423
18:00 - 19:00	7	7628	0.069	7	7628	0.180	7	7628	0.249
19:00 - 20:00	1	10446	0.096	1	10446	0.249	1	10446	0.345
20:00 - 21:00	1	10446	0.105	1	10446	0.086	1	10446	0.191
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.245			3.046			6.291

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:	3625 - 13200 (units: sqm)
Survey date range:	01/01/14 - 27/09/21
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	1

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

TAXIS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
06:00 - 07:00	1	10446	0.010	1	10446	0.010	1	10446	0.020
07:00 - 08:00	7	7628	0.007	7	7628	0.007	7	7628	0.014
08:00 - 09:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
09:00 - 10:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
10:00 - 11:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
11:00 - 12:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
12:00 - 13:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
13:00 - 14:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
14:00 - 15:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
15:00 - 16:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
16:00 - 17:00	7	7628	0.004	7	7628	0.004	7	7628	0.008
17:00 - 18:00	7	7628	0.004	7	7628	0.004	7	7628	0.008
18:00 - 19:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
19:00 - 20:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
20:00 - 21:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.025			0.025			0.050

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.077	1	10446	0.115	1	10446	0.192
06:00 - 07:00	1	10446	0.086	1	10446	0.163	1	10446	0.249
07:00 - 08:00	7	7628	0.054	7	7628	0.086	7	7628	0.140
08:00 - 09:00	7	7628	0.047	7	7628	0.082	7	7628	0.129
09:00 - 10:00	7	7628	0.064	7	7628	0.036	7	7628	0.100
10:00 - 11:00	7	7628	0.088	7	7628	0.062	7	7628	0.150
11:00 - 12:00	7	7628	0.077	7	7628	0.073	7	7628	0.150
12:00 - 13:00	7	7628	0.077	7	7628	0.041	7	7628	0.118
13:00 - 14:00	7	7628	0.051	7	7628	0.073	7	7628	0.124
14:00 - 15:00	7	7628	0.062	7	7628	0.060	7	7628	0.122
15:00 - 16:00	7	7628	0.069	7	7628	0.062	7	7628	0.131
16:00 - 17:00	7	7628	0.075	7	7628	0.062	7	7628	0.137
17:00 - 18:00	7	7628	0.086	7	7628	0.054	7	7628	0.140
18:00 - 19:00	7	7628	0.047	7	7628	0.032	7	7628	0.079
19:00 - 20:00	1	10446	0.019	1	10446	0.057	1	10446	0.076
20:00 - 21:00	1	10446	0.029	1	10446	0.048	1	10446	0.077
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.008			1.106			2.114

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
06:00 - 07:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
07:00 - 08:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
08:00 - 09:00	7	7628	0.013	7	7628	0.000	7	7628	0.013
09:00 - 10:00	7	7628	0.000	7	7628	0.002	7	7628	0.002
10:00 - 11:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
11:00 - 12:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
12:00 - 13:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
13:00 - 14:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
14:00 - 15:00	7	7628	0.000	7	7628	0.004	7	7628	0.004
15:00 - 16:00	7	7628	0.000	7	7628	0.007	7	7628	0.007
16:00 - 17:00	7	7628	0.000	7	7628	0.002	7	7628	0.002
17:00 - 18:00	7	7628	0.000	7	7628	0.009	7	7628	0.009
18:00 - 19:00	7	7628	0.000	7	7628	0.002	7	7628	0.002
19:00 - 20:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
20:00 - 21:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.021			0.026			0.047

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

CARS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.268	1	10446	0.048	1	10446	0.316
06:00 - 07:00	1	10446	0.440	1	10446	0.057	1	10446	0.497
07:00 - 08:00	7	7628	0.184	7	7628	0.034	7	7628	0.218
08:00 - 09:00	7	7628	0.161	7	7628	0.037	7	7628	0.198
09:00 - 10:00	7	7628	0.094	7	7628	0.037	7	7628	0.131
10:00 - 11:00	7	7628	0.043	7	7628	0.049	7	7628	0.092
11:00 - 12:00	7	7628	0.043	7	7628	0.067	7	7628	0.110
12:00 - 13:00	7	7628	0.052	7	7628	0.062	7	7628	0.114
13:00 - 14:00	7	7628	0.099	7	7628	0.096	7	7628	0.195
14:00 - 15:00	7	7628	0.069	7	7628	0.118	7	7628	0.187
15:00 - 16:00	7	7628	0.051	7	7628	0.144	7	7628	0.195
16:00 - 17:00	7	7628	0.037	7	7628	0.157	7	7628	0.194
17:00 - 18:00	7	7628	0.037	7	7628	0.187	7	7628	0.224
18:00 - 19:00	7	7628	0.019	7	7628	0.137	7	7628	0.156
19:00 - 20:00	1	10446	0.067	1	10446	0.182	1	10446	0.249
20:00 - 21:00	1	10446	0.057	1	10446	0.029	1	10446	0.086
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.721			1.441			3.162

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.

i-Transport Grove House Basingstoke

Licence No: 236601

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

LGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.000	1	10446	0.010	1	10446	0.010
06:00 - 07:00	1	10446	0.029	1	10446	0.019	1	10446	0.048
07:00 - 08:00	7	7628	0.043	7	7628	0.032	7	7628	0.075
08:00 - 09:00	7	7628	0.036	7	7628	0.047	7	7628	0.083
09:00 - 10:00	7	7628	0.060	7	7628	0.045	7	7628	0.105
10:00 - 11:00	7	7628	0.045	7	7628	0.049	7	7628	0.094
11:00 - 12:00	7	7628	0.043	7	7628	0.037	7	7628	0.080
12:00 - 13:00	7	7628	0.041	7	7628	0.039	7	7628	0.080
13:00 - 14:00	7	7628	0.036	7	7628	0.039	7	7628	0.075
14:00 - 15:00	7	7628	0.030	7	7628	0.026	7	7628	0.056
15:00 - 16:00	7	7628	0.030	7	7628	0.034	7	7628	0.064
16:00 - 17:00	7	7628	0.021	7	7628	0.028	7	7628	0.049
17:00 - 18:00	7	7628	0.021	7	7628	0.026	7	7628	0.047
18:00 - 19:00	7	7628	0.004	7	7628	0.011	7	7628	0.015
19:00 - 20:00	1	10446	0.010	1	10446	0.010	1	10446	0.020
20:00 - 21:00	1	10446	0.019	1	10446	0.010	1	10446	0.029
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.468			0.462			0.930

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

MOTOR CYCLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	10446	0.010	1	10446	0.000	1	10446	0.010
06:00 - 07:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
07:00 - 08:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
08:00 - 09:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
09:00 - 10:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
10:00 - 11:00	7	7628	0.004	7	7628	0.000	7	7628	0.004
11:00 - 12:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
12:00 - 13:00	7	7628	0.006	7	7628	0.000	7	7628	0.006
13:00 - 14:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
14:00 - 15:00	7	7628	0.000	7	7628	0.006	7	7628	0.006
15:00 - 16:00	7	7628	0.000	7	7628	0.004	7	7628	0.004
16:00 - 17:00	7	7628	0.002	7	7628	0.000	7	7628	0.002
17:00 - 18:00	7	7628	0.000	7	7628	0.004	7	7628	0.004
18:00 - 19:00	7	7628	0.000	7	7628	0.000	7	7628	0.000
19:00 - 20:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
20:00 - 21:00	1	10446	0.000	1	10446	0.000	1	10446	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.028			0.014			0.042

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.

Calculation Reference: AUDIT-236601-221123-1130

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : F - WAREHOUSING (COMMERCIAL)
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	CT CENTRAL BEDFORDSHIRE	1 days
	EX ESSEX	1 days
	HC HAMPSHIRE	1 days
	MW MEDWAY	2 days
	SC SURREY	1 days
	SP SOUTHAMPTON	1 days
03	SOUTH WEST	
	CW CORNWALL	1 days
04	EAST ANGLIA	
	SF SUFFOLK	2 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 3625 to 11200 (units: sqm)
 Range Selected by User: 2000 to 12000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/02 to 27/09/21

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

Selected survey days:

Monday	2 days
Tuesday	3 days
Wednesday	1 days
Thursday	3 days
Friday	4 days

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

Selected survey types:

Manual count	13 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town 13

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	9
Commercial Zone	1
No Sub Category	3

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

Secondary Filtering selection:

Use Class:

n/a	2 days
B8	11 days

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

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000	4 days
5,001 to 10,000	1 days
10,001 to 15,000	5 days
15,001 to 20,000	2 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:

5,001 to 25,000	1 days
25,001 to 50,000	1 days
50,001 to 75,000	1 days
100,001 to 125,000	2 days
125,001 to 250,000	5 days
250,001 to 500,000	2 days
500,001 or More	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	9 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:

Not Known	4 days
No	9 days

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

PTAL Rating:

No PTAL Present	13 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CT-02-F-01 FRENCH'S AVENUE DUNSTABLE	WAREHOUSING	CENTRAL BEDFORDSHIRE
	Edge of Town Industrial Zone Total Gross floor area:	6050 sqm	
	Survey date: THURSDAY	07/03/02	Survey Type: MANUAL
2	CW-02-F-01 A390 NEAR TRURO THREEMILESTONE	WAREHOUSING	CORNWALL
	Edge of Town No Sub Category Total Gross floor area:	5150 sqm	
	Survey date: TUESDAY	18/09/07	Survey Type: MANUAL
3	EX-02-F-01 BRUNEL WAY COLCHESTER SEVERALLS INDUSTRIAL PK	SPORTS SUPPLEMENTS	ESSEX
	Edge of Town Industrial Zone Total Gross floor area:	6560 sqm	
	Survey date: FRIDAY	18/05/18	Survey Type: MANUAL
4	HC-02-F-03 WARSASH ROAD PARK GATE	PPE DISTRIBUTION	HAMPSHIRE
	Edge of Town Industrial Zone Total Gross floor area:	3665 sqm	
	Survey date: MONDAY	27/09/21	Survey Type: MANUAL
5	MW-02-F-01 HOLBOROUGH ROAD SNODLAND	FOOD DISTRIB.	MEDWAY
	Edge of Town No Sub Category Total Gross floor area:	7500 sqm	
	Survey date: THURSDAY	20/06/02	Survey Type: MANUAL
6	MW-02-F-02 MILLS ROAD AYLESFORD QUARRY WOOD	COMMERCIAL WAREHOUSING	MEDWAY
	Edge of Town Industrial Zone Total Gross floor area:	11200 sqm	
	Survey date: FRIDAY	22/09/17	Survey Type: MANUAL
7	SC-02-F-04 PRETORIA ROAD CHERTSEY	WAREHOUSING	SURREY
	Edge of Town No Sub Category Total Gross floor area:	4460 sqm	
	Survey date: TUESDAY	27/11/07	Survey Type: MANUAL
8	SF-02-F-01 BURRELL WAY THETFORD BARROW HILL	PHARMACY DISTRIB.	SUFFOLK
	Edge of Town Industrial Zone Total Gross floor area:	4550 sqm	
	Survey date: FRIDAY	27/09/02	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	SF-02-F-03	ROAD HAULAGE	SUFFOLK
	CENTRAL AVENUE		
	IPSWICH		
	WARREN HEATH		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	4700 sqm	
	Survey date: FRIDAY	18/09/15	Survey Type: MANUAL
10	SP-02-F-01	WAREHOUSING	SOUTHAMPTON
	MAURETANIA ROAD		
	SOUTHAMPTON		
	NURSLING INDUSTRIAL ESTATE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	4000 sqm	
	Survey date: WEDNESDAY	21/11/07	Survey Type: MANUAL
11	WM-02-F-02	LOGISTICS FIRM	WEST MIDLANDS
	SOVEREIGN ROAD		
	BIRMINGHAM		
	KINGS NORTON		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	3625 sqm	
	Survey date: MONDAY	09/11/15	Survey Type: MANUAL
12	WO-02-F-02	DISTRIB. CENTRE	WORCESTERSHIRE
	COTSWOLD WAY		
	WORCESTER		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	3824 sqm	
	Survey date: TUESDAY	10/09/02	Survey Type: MANUAL
13	WY-02-F-02	DISTRIBUTION COMPANY	WEST YORKSHIRE
	STAITHGATE LANE		
	BRADFORD		
	NEWHALL		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	10446 sqm	
	Survey date: THURSDAY	14/03/19	Survey Type: MANUAL

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
BO-02-F-01	COVID

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
TOTAL VEHICLES
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	7500	0.147	1	7500	0.147	1	7500	0.294
01:00 - 02:00	1	7500	0.053	1	7500	0.093	1	7500	0.146
02:00 - 03:00	1	7500	0.080	1	7500	0.093	1	7500	0.173
03:00 - 04:00	1	7500	0.093	1	7500	0.067	1	7500	0.160
04:00 - 05:00	1	7500	0.120	1	7500	0.107	1	7500	0.227
05:00 - 06:00	2	8973	0.267	2	8973	0.150	2	8973	0.417
06:00 - 07:00	2	8973	0.440	2	8973	0.234	2	8973	0.674
07:00 - 08:00	13	5825	0.263	13	5825	0.149	13	5825	0.412
08:00 - 09:00	13	5825	0.285	13	5825	0.174	13	5825	0.459
09:00 - 10:00	13	5825	0.221	13	5825	0.151	13	5825	0.372
10:00 - 11:00	13	5825	0.160	13	5825	0.154	13	5825	0.314
11:00 - 12:00	13	5825	0.152	13	5825	0.156	13	5825	0.308
12:00 - 13:00	13	5825	0.172	13	5825	0.151	13	5825	0.323
13:00 - 14:00	13	5825	0.213	13	5825	0.218	13	5825	0.431
14:00 - 15:00	13	5825	0.177	13	5825	0.198	13	5825	0.375
15:00 - 16:00	13	5825	0.151	13	5825	0.227	13	5825	0.378
16:00 - 17:00	13	5825	0.145	13	5825	0.244	13	5825	0.389
17:00 - 18:00	13	5825	0.137	13	5825	0.314	13	5825	0.451
18:00 - 19:00	13	5825	0.066	13	5825	0.181	13	5825	0.247
19:00 - 20:00	3	7999	0.063	3	7999	0.146	3	7999	0.209
20:00 - 21:00	2	8973	0.100	2	8973	0.078	2	8973	0.178
21:00 - 22:00	1	7500	0.053	1	7500	0.080	1	7500	0.133
22:00 - 23:00	1	7500	0.133	1	7500	0.093	1	7500	0.226
23:00 - 24:00	1	7500	0.080	1	7500	0.080	1	7500	0.160
Total Rates:			3.771			3.685			7.456

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:	3625 - 11200 (units: sqm)
Survey date range:	01/01/02 - 27/09/21
Number of weekdays (Monday-Friday):	13
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	1

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 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
OGVS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	7500	0.147	1	7500	0.147	1	7500	0.294
01:00 - 02:00	1	7500	0.053	1	7500	0.093	1	7500	0.146
02:00 - 03:00	1	7500	0.080	1	7500	0.093	1	7500	0.173
03:00 - 04:00	1	7500	0.093	1	7500	0.067	1	7500	0.160
04:00 - 05:00	1	7500	0.120	1	7500	0.107	1	7500	0.227
05:00 - 06:00	2	8973	0.072	2	8973	0.111	2	8973	0.183
06:00 - 07:00	2	8973	0.111	2	8973	0.139	2	8973	0.250
07:00 - 08:00	13	5825	0.049	13	5825	0.082	13	5825	0.131
08:00 - 09:00	13	5825	0.066	13	5825	0.088	13	5825	0.154
09:00 - 10:00	13	5825	0.065	13	5825	0.062	13	5825	0.127
10:00 - 11:00	13	5825	0.070	13	5825	0.067	13	5825	0.137
11:00 - 12:00	13	5825	0.061	13	5825	0.067	13	5825	0.128
12:00 - 13:00	13	5825	0.070	13	5825	0.044	13	5825	0.114
13:00 - 14:00	13	5825	0.075	13	5825	0.066	13	5825	0.141
14:00 - 15:00	13	5825	0.070	13	5825	0.048	13	5825	0.118
15:00 - 16:00	13	5825	0.078	13	5825	0.050	13	5825	0.128
16:00 - 17:00	13	5825	0.071	13	5825	0.055	13	5825	0.126
17:00 - 18:00	13	5825	0.073	13	5825	0.051	13	5825	0.124
18:00 - 19:00	13	5825	0.038	13	5825	0.036	13	5825	0.074
19:00 - 20:00	3	7999	0.029	3	7999	0.046	3	7999	0.075
20:00 - 21:00	2	8973	0.056	2	8973	0.056	2	8973	0.112
21:00 - 22:00	1	7500	0.053	1	7500	0.080	1	7500	0.133
22:00 - 23:00	1	7500	0.133	1	7500	0.093	1	7500	0.226
23:00 - 24:00	1	7500	0.080	1	7500	0.080	1	7500	0.160
Total Rates:			1.813			1.828			3.641

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 PSVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
01:00 - 02:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
02:00 - 03:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
03:00 - 04:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
04:00 - 05:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
05:00 - 06:00	2	8973	0.000	2	8973	0.000	2	8973	0.000
06:00 - 07:00	2	8973	0.000	2	8973	0.000	2	8973	0.000
07:00 - 08:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
08:00 - 09:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
09:00 - 10:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
10:00 - 11:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
11:00 - 12:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
12:00 - 13:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
13:00 - 14:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
14:00 - 15:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
15:00 - 16:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
16:00 - 17:00	13	5825	0.000	13	5825	0.000	13	5825	0.000
17:00 - 18:00	13	5825	0.001	13	5825	0.001	13	5825	0.002
18:00 - 19:00	13	5825	0.004	13	5825	0.004	13	5825	0.008
19:00 - 20:00	3	7999	0.000	3	7999	0.000	3	7999	0.000
20:00 - 21:00	2	8973	0.000	2	8973	0.000	2	8973	0.000
21:00 - 22:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
22:00 - 23:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
23:00 - 24:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
Total Rates:			0.005			0.005			0.010

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

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

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
CYCLISTS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
01:00 - 02:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
02:00 - 03:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
03:00 - 04:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
04:00 - 05:00	1	7500	0.013	1	7500	0.000	1	7500	0.013
05:00 - 06:00	2	8973	0.000	2	8973	0.000	2	8973	0.000
06:00 - 07:00	2	8973	0.000	2	8973	0.006	2	8973	0.006
07:00 - 08:00	13	5825	0.004	13	5825	0.000	13	5825	0.004
08:00 - 09:00	13	5825	0.013	13	5825	0.000	13	5825	0.013
09:00 - 10:00	13	5825	0.001	13	5825	0.001	13	5825	0.002
10:00 - 11:00	13	5825	0.003	13	5825	0.000	13	5825	0.003
11:00 - 12:00	13	5825	0.001	13	5825	0.001	13	5825	0.002
12:00 - 13:00	13	5825	0.003	13	5825	0.000	13	5825	0.003
13:00 - 14:00	13	5825	0.001	13	5825	0.001	13	5825	0.002
14:00 - 15:00	13	5825	0.001	13	5825	0.005	13	5825	0.006
15:00 - 16:00	13	5825	0.000	13	5825	0.011	13	5825	0.011
16:00 - 17:00	13	5825	0.000	13	5825	0.001	13	5825	0.001
17:00 - 18:00	13	5825	0.000	13	5825	0.012	13	5825	0.012
18:00 - 19:00	13	5825	0.000	13	5825	0.003	13	5825	0.003
19:00 - 20:00	3	7999	0.000	3	7999	0.004	3	7999	0.004
20:00 - 21:00	2	8973	0.000	2	8973	0.000	2	8973	0.000
21:00 - 22:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
22:00 - 23:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
23:00 - 24:00	1	7500	0.000	1	7500	0.000	1	7500	0.000
Total Rates:			0.040			0.045			0.085

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 B. 24-HOUR HGV FLOW CALCULATIONS

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

Calculation Factor: 100 sqm

Count Type: OGVS

Time Range	ARRIVALS				DEPARTURES				TOTALS
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate	
00:00-01:00									
01:00-02:00									
02:00-03:00									
03:00-04:00									
04:00-05:00									
05:00-06:0	1	10446	0.077	1	10446	0.115	1	10446	0.192
06:00-07:0	1	10446	0.086	1	10446	0.163	1	10446	0.249
07:00-08:0	7	7628	0.054	7	7628	0.086	7	7628	0.14
08:00-09:0	7	7628	0.047	7	7628	0.082	7	7628	0.129
09:00-10:0	7	7628	0.064	7	7628	0.036	7	7628	0.1
10:00-11:0	7	7628	0.088	7	7628	0.062	7	7628	0.15
11:00-12:0	7	7628	0.077	7	7628	0.073	7	7628	0.15
12:00-13:0	7	7628	0.077	7	7628	0.041	7	7628	0.118
13:00-14:0	7	7628	0.051	7	7628	0.073	7	7628	0.124
14:00-15:0	7	7628	0.062	7	7628	0.06	7	7628	0.122
15:00-16:0	7	7628	0.069	7	7628	0.062	7	7628	0.131
16:00-17:0	7	7628	0.075	7	7628	0.062	7	7628	0.137
17:00-18:0	7	7628	0.086	7	7628	0.054	7	7628	0.14
18:00-19:0	7	7628	0.047	7	7628	0.032	7	7628	0.079
19:00-20:0	1	10446	0.019	1	10446	0.057	1	10446	0.076
20:00-21:0	1	10446	0.029	1	10446	0.048	1	10446	0.077
21:00-22:00									
22:00-23:00									
23:00-24:00									
Daily Trip Rates:			1.008			1.106			2.114

	B8 Warehouse	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.797	0.723	1.52
5418	54.18	43	39	82

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	100	100	200

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

Calculation Factor: 100 sqm

Count Type: OGVS

Time Range	ARRIVALS				DEPARTURES				TOTALS
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate	Rate
00:00-01:00									
01:00-02:00									
02:00-03:00									
03:00-04:00									
04:00-05:00									
05:00-06:0	2	5817	0	2	5817	0	2	5817	0
06:00-07:0	3	7633	0	3	7633	0	3	7633	0
07:00-08:0	21	6141	0.019	21	6141	0.01	21	6141	0.029
08:00-09:0	21	6141	0.032	21	6141	0.038	21	6141	0.07
09:00-10:0	21	6141	0.045	21	6141	0.046	21	6141	0.091
10:00-11:0	21	6141	0.033	21	6141	0.04	21	6141	0.073
11:00-12:0	21	6141	0.035	21	6141	0.038	21	6141	0.073
12:00-13:0	21	6141	0.041	21	6141	0.033	21	6141	0.074
13:00-14:0	21	6141	0.036	21	6141	0.025	21	6141	0.061
14:00-15:0	21	6141	0.032	21	6141	0.038	21	6141	0.07
15:00-16:0	21	6141	0.029	21	6141	0.028	21	6141	0.057
16:00-17:0	21	6141	0.013	21	6141	0.016	21	6141	0.029
17:00-18:0	21	6141	0.009	21	6141	0.009	21	6141	0.018
18:00-19:0	21	6141	0.002	21	6141	0.004	21	6141	0.006
19:00-20:0	3	7633	0	3	7633	0	3	7633	0
20:00-21:0	3	7633	0	3	7633	0	3	7633	0
21:00-22:00									
22:00-23:00									
23:00-24:00									
Daily Trip Rates:			0.326			0.325			0.651

	B2 General Indsutrial	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.326	0.325	0.651
5418	54.18	18	18	35

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	41	45	86

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

Calculation Factor: 100 sqm

Count Type: OGVS

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00									
01:00-02:00									
02:00-03:00									
03:00-04:00									
04:00-05:00									
05:00-06:0	2	5596	0	2	5596	0	2	5596	0
06:00-07:0	3	8181	0.008	3	8181	0	3	8181	0.008
07:00-08:0	9	5860	0.028	9	5860	0.021	9	5860	0.049
08:00-09:0	9	5860	0.038	9	5860	0.019	9	5860	0.057
09:00-10:0	9	5860	0.038	9	5860	0.038	9	5860	0.076
10:00-11:0	9	5860	0.028	9	5860	0.021	9	5860	0.049
11:00-12:0	9	5860	0.028	9	5860	0.034	9	5860	0.062
12:00-13:0	9	5860	0.04	9	5860	0.049	9	5860	0.089
13:00-14:0	9	5860	0.04	9	5860	0.027	9	5860	0.067
14:00-15:0	9	5860	0.015	9	5860	0.013	9	5860	0.028
15:00-16:0	9	5860	0.019	9	5860	0.019	9	5860	0.038
16:00-17:0	9	5860	0.009	9	5860	0.019	9	5860	0.028
17:00-18:0	9	5860	0.002	9	5860	0.002	9	5860	0.004
18:00-19:0	9	5860	0	9	5860	0.002	9	5860	0.002
19:00-20:0	2	5596	0	2	5596	0.054	2	5596	0.054
20:00-21:0	2	5596	0	2	5596	0.027	2	5596	0.027
21:00-22:00									
22:00-23:00									
23:00-24:00									
Daily Trip Rates:			0.293			0.345			0.638

	B1c Light Industrial	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.285	0.264	0.549
5418	54.18	15	14	30

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	36	37	72

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

Calculation Factor: 100 sqm

Count Type: OGV5

Time Range	No. Days	ARRIVALS			DEPARTURES			TOTALS		
		Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00										
01:00-02:00										
02:00-03:00										
03:00-04:00										
04:00-05:00										
05:00-06:00		1	10446	0.077	1	10446	0.115	1	10446	0.192
06:00-07:00		1	10446	0.086	1	10446	0.163	1	10446	0.249
07:00-08:00		7	7628	0.054	7	7628	0.086	7	7628	0.14
08:00-09:00		7	7628	0.047	7	7628	0.082	7	7628	0.129
09:00-10:00		7	7628	0.064	7	7628	0.036	7	7628	0.1
10:00-11:00		7	7628	0.088	7	7628	0.062	7	7628	0.15
11:00-12:00		7	7628	0.077	7	7628	0.073	7	7628	0.15
12:00-13:00		7	7628	0.077	7	7628	0.041	7	7628	0.118
13:00-14:00		7	7628	0.051	7	7628	0.073	7	7628	0.124
14:00-15:00		7	7628	0.062	7	7628	0.06	7	7628	0.122
15:00-16:00		7	7628	0.069	7	7628	0.062	7	7628	0.131
16:00-17:00		7	7628	0.075	7	7628	0.062	7	7628	0.137
17:00-18:00		7	7628	0.086	7	7628	0.054	7	7628	0.14
18:00-19:00		7	7628	0.047	7	7628	0.032	7	7628	0.079
19:00-20:00		1	10446	0.019	1	10446	0.057	1	10446	0.076
20:00-21:00		1	10446	0.029	1	10446	0.048	1	10446	0.077
21:00-22:00										
22:00-23:00										
23:00-24:00										
Daily Trip Rates:				1.008			1.106			2.114

	B8 Warehouse	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.797	0.723	1.52
2709	27.09	22	20	41

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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B8 Warehouse	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	50	50	100

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

Calculation Factor: 100 sqm

Count Type: OGV5

Time Range	No. Days	ARRIVALS			DEPARTURES			TOTALS		
		Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00										
01:00-02:00										
02:00-03:00										
03:00-04:00										
04:00-05:00										
05:00-06:00		2	5817	0	2	5817	0	2	5817	0
06:00-07:00		3	7633	0	3	7633	0	3	7633	0
07:00-08:00		21	6141	0.019	21	6141	0.01	21	6141	0.029
08:00-09:00		21	6141	0.032	21	6141	0.038	21	6141	0.07
09:00-10:00		21	6141	0.045	21	6141	0.046	21	6141	0.091
10:00-11:00		21	6141	0.033	21	6141	0.04	21	6141	0.073
11:00-12:00		21	6141	0.035	21	6141	0.038	21	6141	0.073
12:00-13:00		21	6141	0.041	21	6141	0.033	21	6141	0.074
13:00-14:00		21	6141	0.036	21	6141	0.025	21	6141	0.061
14:00-15:00		21	6141	0.032	21	6141	0.038	21	6141	0.07
15:00-16:00		21	6141	0.029	21	6141	0.028	21	6141	0.057
16:00-17:00		21	6141	0.013	21	6141	0.016	21	6141	0.029
17:00-18:00		21	6141	0.009	21	6141	0.009	21	6141	0.018
18:00-19:00		21	6141	0.002	21	6141	0.004	21	6141	0.006
19:00-20:00		3	7633	0	3	7633	0	3	7633	0
20:00-21:00		3	7633	0	3	7633	0	3	7633	0
21:00-22:00										
22:00-23:00										
23:00-24:00										
Daily Trip Rates:				0.326			0.325			0.651

	B2 General Indsutrial	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.326	0.325	0.651
2709	27.09	9	9	18

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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B2 General Indsutrial	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	20	22	43

TOTAL	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	70	72	143

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

Calculation Factor: 100 sqm

Count Type: OGV5

No. Time Range Days	ARRIVALS			DEPARTURES			TOTALS		
	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00									
01:00-02:00									
02:00-03:00									
03:00-04:00									
04:00-05:00									
05:00-06:0	1	10446	0.077	1	10446	0.115	1	10446	0.192
06:00-07:0	1	10446	0.086	1	10446	0.163	1	10446	0.249
07:00-08:0	7	7628	0.054	7	7628	0.086	7	7628	0.14
08:00-09:0	7	7628	0.047	7	7628	0.082	7	7628	0.129
09:00-10:0	7	7628	0.064	7	7628	0.036	7	7628	0.1
10:00-11:0	7	7628	0.088	7	7628	0.062	7	7628	0.15
11:00-12:0	7	7628	0.077	7	7628	0.073	7	7628	0.15
12:00-13:0	7	7628	0.077	7	7628	0.041	7	7628	0.118
13:00-14:0	7	7628	0.051	7	7628	0.073	7	7628	0.124
14:00-15:0	7	7628	0.062	7	7628	0.06	7	7628	0.122
15:00-16:0	7	7628	0.069	7	7628	0.062	7	7628	0.131
16:00-17:0	7	7628	0.075	7	7628	0.062	7	7628	0.137
17:00-18:0	7	7628	0.086	7	7628	0.054	7	7628	0.14
18:00-19:0	7	7628	0.047	7	7628	0.032	7	7628	0.079
19:00-20:0	1	10446	0.019	1	10446	0.057	1	10446	0.076
20:00-21:0	1	10446	0.029	1	10446	0.048	1	10446	0.077
21:00-22:00									
22:00-23:00									
23:00-24:00									
Daily Trip Rates:			1.008			1.106			2.114

	B8 Warehouse	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.797	0.723	1.52
2709	27.09	22	20	41

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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B8 Warehouse	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	50	50	100

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

Calculation Factor: 100 sqm

Count Type: OGV5

No. Time Rang Days	ARRIVALS			DEPARTURES			TOTALS		
	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00									
01:00-02:00									
02:00-03:00									
03:00-04:00									
04:00-05:00									
05:00-06:0	2	5596	0	2	5596	0	2	5596	0
06:00-07:0	3	8181	0.008	3	8181	0	3	8181	0.008
07:00-08:0	9	5860	0.028	9	5860	0.021	9	5860	0.049
08:00-09:0	9	5860	0.038	9	5860	0.019	9	5860	0.057
09:00-10:0	9	5860	0.038	9	5860	0.038	9	5860	0.076
10:00-11:0	9	5860	0.028	9	5860	0.021	9	5860	0.049
11:00-12:0	9	5860	0.028	9	5860	0.034	9	5860	0.062
12:00-13:0	9	5860	0.04	9	5860	0.049	9	5860	0.089
13:00-14:0	9	5860	0.04	9	5860	0.027	9	5860	0.067
14:00-15:0	9	5860	0.015	9	5860	0.013	9	5860	0.028
15:00-16:0	9	5860	0.019	9	5860	0.019	9	5860	0.038
16:00-17:0	9	5860	0.009	9	5860	0.019	9	5860	0.028
17:00-18:0	9	5860	0.002	9	5860	0.002	9	5860	0.004
18:00-19:0	9	5860	0	9	5860	0.002	9	5860	0.002
19:00-20:0	2	5596	0	2	5596	0.054	2	5596	0.054
20:00-21:0	2	5596	0	2	5596	0.027	2	5596	0.027
21:00-22:00									
22:00-23:00									
23:00-24:00									
Daily Trip Rates:			0.293			0.345			0.638

	B1c Light Industrial	Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.285	0.264	0.549
2709	27.09	8	7	15

B8 Warehouse Proportion of 12hr to 24 hr	43%	39%
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B1c Light Industrial	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	18	18	36

TOTAL	Arrival	Dep	Two-Way
24Hour Uplifted HGV Flow	68	68	136

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

Calculation Factor: 100 sqm

Count Type: OGVS

Time Range	ARRIVALS			DEPARTURES			TOTALS			
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00-01:00	1	7500	0.147	1	7500	0.147	1	7500	0.294	8%
01:00-02:00	1	7500	0.053	1	7500	0.093	1	7500	0.146	4%
02:00-03:00	1	7500	0.08	1	7500	0.093	1	7500	0.173	5%
03:00-04:00	1	7500	0.093	1	7500	0.067	1	7500	0.16	4%
04:00-05:00	1	7500	0.12	1	7500	0.107	1	7500	0.227	6%
05:00-06:00	2	8973	0.072	2	8973	0.111	2	8973	0.183	5%
06:00-07:00	2	8973	0.111	2	8973	0.139	2	8973	0.25	7%
07:00-08:00	13	5825	0.049	13	5825	0.082	13	5825	0.131	4%
08:00-09:00	13	5825	0.066	13	5825	0.088	13	5825	0.154	4%
09:00-10:00	13	5825	0.065	13	5825	0.062	13	5825	0.127	3%
10:00-11:00	13	5825	0.07	13	5825	0.067	13	5825	0.137	4%
11:00-12:00	13	5825	0.061	13	5825	0.067	13	5825	0.128	4%
12:00-13:00	13	5825	0.07	13	5825	0.044	13	5825	0.114	3%
13:00-14:00	13	5825	0.075	13	5825	0.066	13	5825	0.141	4%
14:00-15:00	13	5825	0.07	13	5825	0.048	13	5825	0.118	3%
15:00-16:00	13	5825	0.078	13	5825	0.05	13	5825	0.128	4%
16:00-17:00	13	5825	0.071	13	5825	0.055	13	5825	0.126	3%
17:00-18:00	13	5825	0.073	13	5825	0.051	13	5825	0.124	3%
18:00-19:00	13	5825	0.038	13	5825	0.036	13	5825	0.074	2%
19:00-20:00	3	7999	0.029	3	7999	0.046	3	7999	0.075	2%
20:00-21:00	2	8973	0.056	2	8973	0.056	2	8973	0.112	3%
21:00-22:00	1	7500	0.053	1	7500	0.08	1	7500	0.133	4%
22:00-23:00	1	7500	0.133	1	7500	0.093	1	7500	0.226	6%
23:00-24:00	1	7500	0.08	1	7500	0.08	1	7500	0.16	4%
Daily Trip Rates:			1.813			1.828			3.641	

		Arrival	Dep	Two-Way
SQM	12hr 7am-7pm	0.786	0.716	1.502
5418	54.18	43	39	81
	24hr	1.813	1.828	3.641
5418	54.18	98	99	197

Proportion of 12hr to 24 hr	43%	39%
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