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**REDWOOD PARTNERSHIP**

Consulting Engineers  
Transportation Planners



**BROADFIELDS INNOVATION & BUSINESS PARK  
TILBURY ROAD  
EAST HORNDON  
BRENTWOOD  
ESSEX  
CM13 3LS**

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## **TRANSPORT ASSESSMENT**

**Volume 5 of 5**

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*on behalf of*  
**MM PROPERTIES (LONDON) LIMITED**

PMcL/3386d5/September 2022



## Volume 1 of 5

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## Volume 3 of 5

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REDW-3386-406 - Accessibility Plan  
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## Volume 4 of 5

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## APPENDIX B

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## APPENDIX C

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## APPENDIX D

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## APPENDIX E

Personal Injury Accident Data



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## Volume 5 of 5

### **APPENDIX F**

TRICS Assessment



Calculation Reference: AUDIT-641801-161101-1105

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

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

**VEHICLES**

Selected regions and areas:

<b>02 SOUTH EAST</b>	
RE READING	1 days
WS WEST SUSSEX	1 days
<b>03 SOUTH WEST</b>	
BR BRISTOL CITY	1 days
<b>06 WEST MIDLANDS</b>	
WM WEST MIDLANDS	1 days
<b>08 NORTH WEST</b>	
CH CHESHIRE	1 days
LC LANCASHIRE	1 days

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

**Filtering Stage 2 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: 645 to 11375 (units: sqm)  
 Range Selected by User: 300 to 43325 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/08 to 19/10/15

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

Selected survey days:

Tuesday	2 days
Wednesday	1 days
Thursday	3 days

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

Selected survey types:

Manual count	6 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 Centre	1
Edge of Town	4
Free Standing (PPS6 Out of Town)	1

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

Selected Location Sub Categories:

Industrial Zone	5
Out of Town	1

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

**Filtering Stage 3 selection:**

Use Class:

B1 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®.*

Population within 1 mile:

1,000 or Less 1 days  
10,001 to 15,000 3 days  
15,001 to 20,000 1 days  
25,001 to 50,000 1 days

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

Population within 5 miles:

50,001 to 75,000 1 days  
125,001 to 250,000 4 days  
250,001 to 500,000 1 days

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

Car ownership within 5 miles:

0.6 to 1.0 3 days  
1.1 to 1.5 2 days  
1.6 to 2.0 1 days

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

Travel Plan:

Yes 1 days  
No 5 days

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



LIST OF SITES relevant to selection parameters

- |  |  |
|--|--|
| <p><b>1 BR-02-C-02 STAINLESS FITTINGS</b><br/>                 SOUTH LIBERTY LANE</p> <p>BRISTOL<br/>                 Edge of Town<br/>                 Industrial Zone<br/>                 Total Gross floor area: 1475 sqm<br/>                 Survey date: TUESDAY 22/09/15</p>   | <p><b>BRISTOL CITY</b></p> <p>Survey Type: MANUAL</p>  |
| <p><b>2 CH-02-C-02 INDUSTRIAL MATERIALS</b><br/>                 JUPITER DRIVE<br/>                 CHESTER W. EMP. PARK<br/>                 CHESTER<br/>                 Edge of Town<br/>                 Industrial Zone<br/>                 Total Gross floor area: 8100 sqm<br/>                 Survey date: WEDNESDAY 19/11/14</p>        | <p><b>CHESHIRE</b></p> <p>Survey Type: MANUAL</p>      |
| <p><b>3 LC-02-C-02 RECYCLING CO.</b><br/>                 ESSEX STREET<br/>                 RED SCAR IND ESTATE<br/>                 PRESTON<br/>                 Edge of Town Centre<br/>                 Industrial Zone<br/>                 Total Gross floor area: 8000 sqm<br/>                 Survey date: THURSDAY 10/05/12</p>           | <p><b>LANCASHIRE</b></p> <p>Survey Type: MANUAL</p>    |
| <p><b>4 RE-02-C-01 SHEET METAL FABRICATION</b><br/>                 COMMERCIAL ROAD</p> <p>READING<br/>                 Edge of Town<br/>                 Industrial Zone<br/>                 Total Gross floor area: 645 sqm<br/>                 Survey date: THURSDAY 22/11/12</p>   | <p><b>READING</b></p> <p>Survey Type: MANUAL</p>       |
| <p><b>5 WM-02-C-03 INDUSTRIAL GLASS</b><br/>                 DOWNING STREET</p> <p>SMETHWICK<br/>                 Edge of Town<br/>                 Industrial Zone<br/>                 Total Gross floor area: 5070 sqm<br/>                 Survey date: TUESDAY 06/11/12</p>   | <p><b>WEST MIDLANDS</b></p> <p>Survey Type: MANUAL</p> |
| <p><b>6 WS-02-C-02 AVIATION COMPANY</b><br/>                 MAYDWELL AVENUE<br/>                 SLINFOLD<br/>                 NEAR HORSHAM<br/>                 Free Standing (PPS6 Out of Town)<br/>                 Out of Town<br/>                 Total Gross floor area: 11375 sqm<br/>                 Survey date: THURSDAY 23/01/14</p> | <p><b>WEST SUSSEX</b></p> <p>Survey Type: MANUAL</p>   |

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
AR-02-C-02	GB only
CS-02-C-01	GB only
DE-02-C-01	GB only
MG-02-C-01	GB only
WA-02-C-01	GB only



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

**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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30	1	11375	0.026	1	11375	0.000	1	11375	0.026
06:30 - 07:00	1	11375	0.123	1	11375	0.044	1	11375	0.167
07:00 - 07:30	6	5778	0.078	6	5778	0.009	6	5778	0.087
07:30 - 08:00	6	5778	0.167	6	5778	0.009	6	5778	0.176
08:00 - 08:30	<b>6</b>	<b>5778</b>	<b>0.476</b>	6	5778	0.035	<b>6</b>	<b>5778</b>	<b>0.511</b>
08:30 - 09:00	6	5778	0.260	6	5778	0.049	6	5778	0.309
09:00 - 09:30	6	5778	0.133	6	5778	0.046	6	5778	0.179
09:30 - 10:00	6	5778	0.107	6	5778	0.055	6	5778	0.162
10:00 - 10:30	6	5778	0.087	6	5778	0.063	6	5778	0.150
10:30 - 11:00	6	5778	0.072	6	5778	0.058	6	5778	0.130
11:00 - 11:30	6	5778	0.040	6	5778	0.049	6	5778	0.089
11:30 - 12:00	6	5778	0.029	6	5778	0.049	6	5778	0.078
12:00 - 12:30	6	5778	0.055	6	5778	0.089	6	5778	0.144
12:30 - 13:00	6	5778	0.063	6	5778	0.061	6	5778	0.124
13:00 - 13:30	6	5778	0.089	6	5778	0.101	6	5778	0.190
13:30 - 14:00	6	5778	0.049	6	5778	0.040	6	5778	0.089
14:00 - 14:30	6	5778	0.058	6	5778	0.040	6	5778	0.098
14:30 - 15:00	6	5778	0.052	6	5778	0.075	6	5778	0.127
15:00 - 15:30	6	5778	0.026	6	5778	0.087	6	5778	0.113
15:30 - 16:00	6	5778	0.038	6	5778	0.058	6	5778	0.096
16:00 - 16:30	6	5778	0.032	6	5778	0.081	6	5778	0.113
16:30 - 17:00	6	5778	0.049	6	5778	0.153	6	5778	0.202
17:00 - 17:30	6	5778	0.043	6	5778	0.167	6	5778	0.210
17:30 - 18:00	6	5778	0.032	<b>6</b>	<b>5778</b>	<b>0.470</b>	6	5778	0.502
18:00 - 18:30	6	5778	0.035	6	5778	0.234	6	5778	0.269
18:30 - 19:00	6	5778	0.009	6	5778	0.066	6	5778	0.075
19:00 - 19:30	1	11375	0.035	1	11375	0.044	1	11375	0.079
19:30 - 20:00	1	11375	0.009	1	11375	0.088	1	11375	0.097
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			2.272			2.320			4.592

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

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

### Parameter summary

Trip rate parameter range selected:	645 - 11375 (units: sqm)
Survey date date range:	01/01/08 - 19/10/15
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	5

*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/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
06:30 - 07:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
07:00 - 07:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
07:30 - 08:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
08:00 - 08:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
08:30 - 09:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:00 - 09:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:30 - 10:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
10:00 - 10:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
10:30 - 11:00	<b>6</b>	<b>5778</b>	<b>0.003</b>	<b>6</b>	<b>5778</b>	<b>0.003</b>	<b>6</b>	<b>5778</b>	<b>0.006</b>
11:00 - 11:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
11:30 - 12:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:00 - 12:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:30 - 13:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
13:00 - 13:30	6	5778	0.003	6	5778	0.003	6	5778	0.006
13:30 - 14:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:00 - 14:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:30 - 15:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:00 - 15:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:30 - 16:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
16:00 - 16:30	6	5778	0.003	6	5778	0.003	6	5778	0.006
16:30 - 17:00	6	5778	0.003	6	5778	0.003	6	5778	0.006
17:00 - 17:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
17:30 - 18:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
18:00 - 18:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
18:30 - 19:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
19:00 - 19:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
19:30 - 20:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.012			0.012			0.024

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Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	5

*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/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
06:30 - 07:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
07:00 - 07:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
07:30 - 08:00	6	5778	0.003	6	5778	0.000	6	5778	0.003
08:00 - 08:30	6	5778	0.012	6	5778	0.006	6	5778	0.018
08:30 - 09:00	6	5778	0.009	6	5778	0.012	6	5778	0.021
09:00 - 09:30	6	5778	0.012	6	5778	0.009	6	5778	0.021
09:30 - 10:00	6	5778	0.012	6	5778	0.006	6	5778	0.018
10:00 - 10:30	6	5778	0.014	<b>6</b>	<b>5778</b>	<b>0.023</b>	<b>6</b>	<b>5778</b>	<b>0.037</b>
10:30 - 11:00	6	5778	0.012	6	5778	0.009	6	5778	0.021
11:00 - 11:30	6	5778	0.009	6	5778	0.017	6	5778	0.026
11:30 - 12:00	6	5778	0.009	6	5778	0.012	6	5778	0.021
12:00 - 12:30	6	5778	0.009	6	5778	0.012	6	5778	0.021
12:30 - 13:00	6	5778	0.003	6	5778	0.003	6	5778	0.006
13:00 - 13:30	<b>6</b>	<b>5778</b>	<b>0.017</b>	6	5778	0.009	6	5778	0.026
13:30 - 14:00	6	5778	0.009	6	5778	0.009	6	5778	0.018
14:00 - 14:30	6	5778	0.009	6	5778	0.003	6	5778	0.012
14:30 - 15:00	6	5778	0.006	6	5778	0.006	6	5778	0.012
15:00 - 15:30	6	5778	0.003	6	5778	0.009	6	5778	0.012
15:30 - 16:00	6	5778	0.003	6	5778	0.003	6	5778	0.006
16:00 - 16:30	6	5778	0.006	6	5778	0.006	6	5778	0.012
16:30 - 17:00	6	5778	0.003	6	5778	0.012	6	5778	0.015
17:00 - 17:30	6	5778	0.003	6	5778	0.000	6	5778	0.003
17:30 - 18:00	6	5778	0.000	6	5778	0.003	6	5778	0.003
18:00 - 18:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
18:30 - 19:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
19:00 - 19:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
19:30 - 20:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.163			0.169			0.332

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

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

### Parameter summary

Trip rate parameter range selected:	645 - 11375 (units: sqm)
Survey date date range:	01/01/08 - 19/10/15
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	5

*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/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
06:30 - 07:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
07:00 - 07:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
07:30 - 08:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
08:00 - 08:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
08:30 - 09:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:00 - 09:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:30 - 10:00	<b>6</b>	<b>5778</b>	<b>0.003</b>	<b>6</b>	<b>5778</b>	<b>0.003</b>	<b>6</b>	<b>5778</b>	<b>0.006</b>
10:00 - 10:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
10:30 - 11:00	6	5778	0.003	6	5778	0.000	6	5778	0.003
11:00 - 11:30	6	5778	0.000	6	5778	0.003	6	5778	0.003
11:30 - 12:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:00 - 12:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:30 - 13:00	6	5778	0.003	6	5778	0.003	6	5778	0.006
13:00 - 13:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
13:30 - 14:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:00 - 14:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:30 - 15:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:00 - 15:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:30 - 16:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
16:00 - 16:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
16:30 - 17:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
17:00 - 17:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
17:30 - 18:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
18:00 - 18:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
18:30 - 19:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
19:00 - 19:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
19:30 - 20:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.009			0.009			0.018

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

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



### Parameter summary

Trip rate parameter range selected:	645 - 11375 (units: sqm)
Survey date date range:	01/01/08 - 19/10/15
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	5

*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/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
06:30 - 07:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
07:00 - 07:30	6	5778	0.003	6	5778	0.000	6	5778	0.003
07:30 - 08:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
08:00 - 08:30	<b>6</b>	<b>5778</b>	<b>0.006</b>	6	5778	0.000	6	5778	0.006
08:30 - 09:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:00 - 09:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
09:30 - 10:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
10:00 - 10:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
10:30 - 11:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
11:00 - 11:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
11:30 - 12:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:00 - 12:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
12:30 - 13:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
13:00 - 13:30	6	5778	0.003	6	5778	0.003	6	5778	0.006
13:30 - 14:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:00 - 14:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
14:30 - 15:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:00 - 15:30	6	5778	0.000	6	5778	0.000	6	5778	0.000
15:30 - 16:00	6	5778	0.000	6	5778	0.000	6	5778	0.000
16:00 - 16:30	6	5778	0.003	6	5778	0.009	<b>6</b>	<b>5778</b>	<b>0.012</b>
16:30 - 17:00	6	5778	0.000	6	5778	0.003	6	5778	0.003
17:00 - 17:30	6	5778	0.000	<b>6</b>	<b>5778</b>	<b>0.012</b>	6	5778	0.012
17:30 - 18:00	6	5778	0.003	6	5778	0.003	6	5778	0.006
18:00 - 18:30	6	5778	0.000	6	5778	0.006	6	5778	0.006
18:30 - 19:00	6	5778	0.000	6	5778	0.003	6	5778	0.003
19:00 - 19:30	1	11375	0.000	1	11375	0.000	1	11375	0.000
19:30 - 20:00	1	11375	0.000	1	11375	0.000	1	11375	0.000
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.018			0.039			0.057

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

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

### Parameter summary

Trip rate parameter range selected:	645 - 11375 (units: sqm)
Survey date date range:	01/01/08 - 19/10/15
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	5

*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.*

Calculation Reference: AUDIT-641801-161101-1141

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

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

**VEHICLES**Selected regions and areas:

<b>01</b>	<b>GREATER LONDON</b>	
	HV HAVERING	1 days
<b>02</b>	<b>SOUTH EAST</b>	
	KC KENT	1 days
<b>03</b>	<b>SOUTH WEST</b>	
	DV DEVON	1 days
<b>06</b>	<b>WEST MIDLANDS</b>	
	WM WEST MIDLANDS	1 days
<b>09</b>	<b>NORTH</b>	
	TW TYNE & WEAR	1 days
<b>10</b>	<b>WALES</b>	
	CM CARMARTHENSHIRE	1 days
<b>11</b>	<b>SCOTLAND</b>	
	AG ANGUS	1 days

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

**Filtering Stage 2 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: 1775 to 64889 (units: sqm)  
 Range Selected by User: 552 to 234115 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/08 to 27/05/16

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

Selected survey days:

Tuesday	3 days
Wednesday	2 days
Friday	2 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:

Edge of Town 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	1
Residential Zone	5
No Sub Category	1

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

### Filtering Stage 3 selection:

#### Use Class:

B2

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®.

#### Population within 1 mile:

5,001 to 10,000

1 days

10,001 to 15,000

1 days

15,001 to 20,000

2 days

20,001 to 25,000

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:

25,001 to 50,000

3 days

125,001 to 250,000

1 days

250,001 to 500,000

3 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.

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>AG-02-D-01</b>	<b>INDUSTRIAL EST.</b>	<b>ANGUS</b>
	WESTWAY		
	ARBROATH		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	64889 sqm	
	Survey date: FRIDAY	25/05/12	Survey Type: MANUAL
<b>2</b>	<b>CM-02-D-03</b>	<b>WORKSHOPS</b>	<b>CARMARTHENSHIRE</b>
	PARK STREET		
	BETWS		
	AMMANFORD		
	Edge of Town Centre		
	No Sub Category		
	Total Gross floor area:	2900 sqm	
	Survey date: TUESDAY	14/10/14	Survey Type: MANUAL
<b>3</b>	<b>DV-02-D-06</b>	<b>INDUSTRIAL ESTATE</b>	<b>DEVON</b>
	ST MODWEN ROAD		
	PLYMOUTH		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	1775 sqm	
	Survey date: TUESDAY	17/07/12	Survey Type: MANUAL
<b>4</b>	<b>HV-02-D-01</b>	<b>INDUSTRIAL ESTATE</b>	<b>HAVERING</b>
	CHURCH ROAD		
	HAROLD WOOD		
	ROMFORD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	13000 sqm	
	Survey date: TUESDAY	07/10/14	Survey Type: MANUAL
<b>5</b>	<b>KC-02-D-02</b>	<b>INDUSTRIAL ESTATE</b>	<b>KENT</b>
	SOUTHWELL ROAD		
	DEAL		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	10715 sqm	
	Survey date: WEDNESDAY	28/11/12	Survey Type: MANUAL
<b>6</b>	<b>TW-02-D-07</b>	<b>INDUSTRIAL ESTATE</b>	<b>TYNE &amp; WEAR</b>
	SWALWELL BANK		
	WHICKHAM		
	GATESHEAD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	6800 sqm	
	Survey date: FRIDAY	04/10/13	Survey Type: MANUAL
<b>7</b>	<b>WM-02-D-02</b>	<b>INDUSTRIAL ESTATE</b>	<b>WEST MIDLANDS</b>
	DUNLOP WAY		
	BIRMINGHAM		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	23480 sqm	
	Survey date: WEDNESDAY	07/11/12	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
AR-02-D-01	GB only
MG-02-D-01	GB only



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

**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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	7	17651	0.135	7	17651	0.041	7	17651	0.176
07:30 - 08:00	<b>7</b>	<b>17651</b>	<b>0.240</b>	7	17651	0.045	7	17651	0.285
08:00 - 08:30	7	17651	0.219	7	17651	0.094	<b>7</b>	<b>17651</b>	<b>0.313</b>
08:30 - 09:00	7	17651	0.205	7	17651	0.074	7	17651	0.279
09:00 - 09:30	7	17651	0.143	7	17651	0.098	7	17651	0.241
09:30 - 10:00	7	17651	0.112	7	17651	0.093	7	17651	0.205
10:00 - 10:30	7	17651	0.119	7	17651	0.112	7	17651	0.231
10:30 - 11:00	7	17651	0.096	7	17651	0.096	7	17651	0.192
11:00 - 11:30	7	17651	0.118	7	17651	0.117	7	17651	0.235
11:30 - 12:00	7	17651	0.114	7	17651	0.114	7	17651	0.228
12:00 - 12:30	7	17651	0.100	7	17651	0.122	7	17651	0.222
12:30 - 13:00	7	17651	0.115	7	17651	0.124	7	17651	0.239
13:00 - 13:30	7	17651	0.121	7	17651	0.129	7	17651	0.250
13:30 - 14:00	7	17651	0.103	7	17651	0.114	7	17651	0.217
14:00 - 14:30	7	17651	0.108	7	17651	0.099	7	17651	0.207
14:30 - 15:00	7	17651	0.104	7	17651	0.106	7	17651	0.210
15:00 - 15:30	7	17651	0.122	7	17651	0.113	7	17651	0.235
15:30 - 16:00	7	17651	0.086	7	17651	0.128	7	17651	0.214
16:00 - 16:30	7	17651	0.108	7	17651	0.198	7	17651	0.306
16:30 - 17:00	7	17651	0.070	7	17651	0.159	7	17651	0.229
17:00 - 17:30	7	17651	0.049	<b>7</b>	<b>17651</b>	<b>0.261</b>	7	17651	0.310
17:30 - 18:00	7	17651	0.035	7	17651	0.130	7	17651	0.165
18:00 - 18:30	7	17651	0.025	7	17651	0.079	7	17651	0.104
18:30 - 19:00	7	17651	0.031	7	17651	0.043	7	17651	0.074
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			2.678			2.689			5.367

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

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

**Parameter summary**

Trip rate parameter range selected:	1775 - 64889 (units: sqm)
Survey date date range:	01/01/08 - 27/05/16
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:	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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	7	17651	0.001	7	17651	0.000	7	17651	0.001
07:30 - 08:00	7	17651	0.002	7	17651	0.000	7	17651	0.002
08:00 - 08:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
08:30 - 09:00	7	17651	0.002	7	17651	0.001	7	17651	0.003
09:00 - 09:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
09:30 - 10:00	7	17651	0.002	7	17651	0.001	7	17651	0.003
10:00 - 10:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
10:30 - 11:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
11:00 - 11:30	7	17651	0.001	7	17651	0.002	7	17651	0.003
11:30 - 12:00	7	17651	0.002	7	17651	0.001	7	17651	0.003
12:00 - 12:30	7	17651	0.001	7	17651	0.000	7	17651	0.001
12:30 - 13:00	7	17651	0.000	7	17651	0.001	7	17651	0.001
13:00 - 13:30	7	17651	0.001	7	17651	0.000	7	17651	0.001
13:30 - 14:00	<b>7</b>	<b>17651</b>	<b>0.002</b>	7	17651	0.002	<b>7</b>	<b>17651</b>	<b>0.004</b>
14:00 - 14:30	7	17651	0.001	7	17651	0.001	7	17651	0.002
14:30 - 15:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
15:00 - 15:30	7	17651	0.002	7	17651	0.002	7	17651	0.004
15:30 - 16:00	7	17651	0.001	7	17651	0.002	7	17651	0.003
16:00 - 16:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
16:30 - 17:00	7	17651	0.000	7	17651	0.001	7	17651	0.001
17:00 - 17:30	7	17651	0.000	<b>7</b>	<b>17651</b>	<b>0.002</b>	7	17651	0.002
17:30 - 18:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
18:00 - 18:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
18:30 - 19:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.018			0.016			0.034

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

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

**Parameter summary**

Trip rate parameter range selected:	1775 - 64889 (units: sqm)
Survey date date range:	01/01/08 - 27/05/16
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:	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.

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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	7	17651	0.002	7	17651	0.006	7	17651	0.008
07:30 - 08:00	7	17651	0.005	7	17651	0.006	7	17651	0.011
08:00 - 08:30	7	17651	0.009	7	17651	0.011	7	17651	0.020
08:30 - 09:00	7	17651	0.011	7	17651	0.009	7	17651	0.020
09:00 - 09:30	7	17651	0.016	7	17651	0.013	7	17651	0.029
09:30 - 10:00	7	17651	0.010	7	17651	0.017	7	17651	0.027
10:00 - 10:30	7	17651	0.016	7	17651	0.015	7	17651	0.031
10:30 - 11:00	7	17651	0.013	7	17651	0.014	7	17651	0.027
11:00 - 11:30	7	17651	0.015	<b>7</b>	<b>17651</b>	<b>0.018</b>	<b>7</b>	<b>17651</b>	<b>0.033</b>
11:30 - 12:00	7	17651	0.013	7	17651	0.011	7	17651	0.024
12:00 - 12:30	7	17651	0.009	7	17651	0.008	7	17651	0.017
12:30 - 13:00	7	17651	0.011	7	17651	0.013	7	17651	0.024
13:00 - 13:30	7	17651	0.012	7	17651	0.009	7	17651	0.021
13:30 - 14:00	7	17651	0.015	7	17651	0.015	7	17651	0.030
14:00 - 14:30	7	17651	0.011	7	17651	0.013	7	17651	0.024
14:30 - 15:00	7	17651	0.011	7	17651	0.012	7	17651	0.023
15:00 - 15:30	7	17651	0.011	7	17651	0.012	7	17651	0.023
15:30 - 16:00	7	17651	0.007	7	17651	0.009	7	17651	0.016
16:00 - 16:30	<b>7</b>	<b>17651</b>	<b>0.019</b>	7	17651	0.007	7	17651	0.026
16:30 - 17:00	7	17651	0.006	7	17651	0.006	7	17651	0.012
17:00 - 17:30	7	17651	0.002	7	17651	0.002	7	17651	0.004
17:30 - 18:00	7	17651	0.004	7	17651	0.003	7	17651	0.007
18:00 - 18:30	7	17651	0.001	7	17651	0.000	7	17651	0.001
18:30 - 19:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.229			0.229			0.458

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

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

**Parameter summary**

Trip rate parameter range selected:	1775 - 64889 (units: sqm)
Survey date date range:	01/01/08 - 27/05/16
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:	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.



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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
07:30 - 08:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
08:00 - 08:30	<b>7</b>	<b>17651</b>	<b>0.002</b>	7	17651	0.000	<b>7</b>	<b>17651</b>	<b>0.002</b>
08:30 - 09:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
09:00 - 09:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
09:30 - 10:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
10:00 - 10:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
10:30 - 11:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
11:00 - 11:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
11:30 - 12:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
12:00 - 12:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
12:30 - 13:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
13:00 - 13:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
13:30 - 14:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
14:00 - 14:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
14:30 - 15:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
15:00 - 15:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
15:30 - 16:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
16:00 - 16:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
16:30 - 17:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
17:00 - 17:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
17:30 - 18:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
18:00 - 18:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
18:30 - 19:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.002			0.000			0.002

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

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



**Parameter summary**

Trip rate parameter range selected:	1775 - 64889 (units: sqm)
Survey date date range:	01/01/08 - 27/05/16
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:	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.

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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	7	17651	0.002	7	17651	0.000	7	17651	0.002
07:30 - 08:00	7	17651	0.006	7	17651	0.000	7	17651	0.006
08:00 - 08:30	<b>7</b>	<b>17651</b>	<b>0.006</b>	7	17651	0.001	<b>7</b>	<b>17651</b>	<b>0.007</b>
08:30 - 09:00	7	17651	0.002	7	17651	0.000	7	17651	0.002
09:00 - 09:30	7	17651	0.002	7	17651	0.000	7	17651	0.002
09:30 - 10:00	7	17651	0.002	7	17651	0.000	7	17651	0.002
10:00 - 10:30	7	17651	0.002	7	17651	0.000	7	17651	0.002
10:30 - 11:00	7	17651	0.002	7	17651	0.001	7	17651	0.003
11:00 - 11:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
11:30 - 12:00	7	17651	0.000	7	17651	0.000	7	17651	0.000
12:00 - 12:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
12:30 - 13:00	7	17651	0.000	7	17651	0.002	7	17651	0.002
13:00 - 13:30	7	17651	0.000	7	17651	0.001	7	17651	0.001
13:30 - 14:00	7	17651	0.001	7	17651	0.000	7	17651	0.001
14:00 - 14:30	7	17651	0.002	7	17651	0.000	7	17651	0.002
14:30 - 15:00	7	17651	0.000	7	17651	0.001	7	17651	0.001
15:00 - 15:30	7	17651	0.000	7	17651	0.000	7	17651	0.000
15:30 - 16:00	7	17651	0.000	<b>7</b>	<b>17651</b>	<b>0.006</b>	7	17651	0.006
16:00 - 16:30	7	17651	0.000	7	17651	0.006	7	17651	0.006
16:30 - 17:00	7	17651	0.000	7	17651	0.002	7	17651	0.002
17:00 - 17:30	7	17651	0.001	7	17651	0.005	7	17651	0.006
17:30 - 18:00	7	17651	0.000	7	17651	0.006	7	17651	0.006
18:00 - 18:30	7	17651	0.000	7	17651	0.002	7	17651	0.002
18:30 - 19:00	7	17651	0.001	7	17651	0.001	7	17651	0.002
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.029			0.034			0.063

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

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**Parameter summary**

Trip rate parameter range selected:	1775 - 64889 (units: sqm)
Survey date date range:	01/01/08 - 27/05/16
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:	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.

Calculation Reference: AUDIT-641801-161101-1136

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

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

**VEHICLES**Selected regions and areas:

<b>05 EAST MIDLANDS</b>	
DS DERBYSHIRE	1 days
<b>06 WEST MIDLANDS</b>	
WM WEST MIDLANDS	1 days
<b>09 NORTH</b>	
CB CUMBRIA	1 days
<b>10 WALES</b>	
WR WREXHAM	1 days
<b>11 SCOTLAND</b>	
ML MIDLOTHIAN	1 days

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

**Filtering Stage 2 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: 750 to 9000 (units: sqm)  
 Range Selected by User: 387 to 20066 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/08 to 13/11/15

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

Selected survey days:

Tuesday 3 days  
 Wednesday 2 days

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

Selected survey types:

Manual count 5 days  
 Directional ATC Count 0 days

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

Selected Locations:

Edge of Town Centre 2  
 Edge of Town 2  
 Free Standing (PPS6 Out of Town) 1

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

Selected Location Sub Categories:

Industrial Zone 4  
 Commercial 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, Out of Town, High Street and No Sub Category.

**Filtering Stage 3 selection:**Use Class:

B8	4 days
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This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS@.

Population within 1 mile:

1,000 or Less	1 days
5,001 to 10,000	2 days
25,001 to 50,000	2 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
125,001 to 250,000	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	3 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	5 days
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This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>CB-02-F-01</b>	<b>DOMINO'S PIZZA</b>	<b>CUMBRIA</b>
		COWPER ROAD GILWILLY IND. ESTATE PENRITH Edge of Town Industrial Zone Total Gross floor area: 2950 sqm Survey date: TUESDAY 10/06/14	Survey Type: MANUAL
<b>2</b>	<b>DS-02-F-01</b>	<b>ARMADILLO S. STORAGE</b>	<b>DERBYSHIRE</b>
		FORRESTERS BUSINESS P., SINFIN LANE DERBY Edge of Town Centre Commercial Zone Total Gross floor area: 1900 sqm Survey date: TUESDAY 05/07/11	Survey Type: MANUAL
<b>3</b>	<b>ML-02-F-01</b>	<b>WINDOWS</b>	<b>MIDLOTHIAN</b>
		UNIT 53 MAYFIELD IND. ESTATE DALKEITH Edge of Town Industrial Zone Total Gross floor area: 750 sqm Survey date: WEDNESDAY 04/05/11	Survey Type: MANUAL
<b>4</b>	<b>WM-02-F-01</b>	<b>LEGETT LOGIS.</b>	<b>WEST MIDLANDS</b>
		SAMPSON ROAD NORTH  BIRMINGHAM Edge of Town Centre Industrial Zone Total Gross floor area: 4000 sqm Survey date: WEDNESDAY 17/06/09	Survey Type: MANUAL
<b>5</b>	<b>WR-02-F-01</b>	<b>WAREHOUSE</b>	<b>WREXHAM</b>
		UNIT 1-2 PACIFIC PARK WREXHAM IND. ESTATE NEAR WREXHAM Free Standing (PPS6 Out of Town) Industrial Zone Total Gross floor area: 9000 sqm Survey date: TUESDAY 18/10/11	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
AR-02-F-01	GB only
DL-02-F-02	GB only
HF-02-F-03	too large
TV-02-F-02	too large

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

**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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
05:30 - 06:00	1	2950	0.102	1	2950	0.000	1	2950	0.102
06:00 - 06:30	1	2950	0.034	1	2950	0.000	1	2950	0.034
06:30 - 07:00	1	2950	0.102	1	2950	0.034	1	2950	0.136
07:00 - 07:30	4	4463	0.050	4	4463	0.017	4	4463	0.067
07:30 - 08:00	5	3720	0.065	5	3720	0.038	5	3720	0.103
08:00 - 08:30	5	3720	0.038	5	3720	0.027	5	3720	0.065
08:30 - 09:00	5	3720	0.124	5	3720	0.022	5	3720	0.146
09:00 - 09:30	5	3720	0.054	5	3720	0.054	5	3720	0.108
09:30 - 10:00	5	3720	0.059	5	3720	0.065	5	3720	0.124
10:00 - 10:30	5	3720	0.038	5	3720	0.048	5	3720	0.086
10:30 - 11:00	5	3720	0.022	5	3720	0.048	5	3720	0.070
11:00 - 11:30	5	3720	0.054	5	3720	0.043	5	3720	0.097
11:30 - 12:00	5	3720	0.027	5	3720	0.016	5	3720	0.043
12:00 - 12:30	5	3720	0.054	5	3720	0.059	5	3720	0.113
12:30 - 13:00	5	3720	0.065	5	3720	0.038	5	3720	0.103
13:00 - 13:30	5	3720	0.086	5	3720	0.070	5	3720	0.156
13:30 - 14:00	5	3720	0.032	5	3720	0.054	5	3720	0.086
14:00 - 14:30	5	3720	0.059	5	3720	0.091	5	3720	0.150
14:30 - 15:00	5	3720	0.054	5	3720	0.048	5	3720	0.102
15:00 - 15:30	5	3720	0.054	5	3720	0.038	5	3720	0.092
15:30 - 16:00	5	3720	0.027	5	3720	0.043	5	3720	0.070
16:00 - 16:30	5	3720	0.032	5	3720	0.043	5	3720	0.075
16:30 - 17:00	5	3720	0.048	5	3720	0.070	5	3720	0.118
17:00 - 17:30	5	3720	0.027	5	3720	0.086	5	3720	0.113
17:30 - 18:00	5	3720	0.005	5	3720	0.065	5	3720	0.070
18:00 - 18:30	5	3720	0.022	5	3720	0.043	5	3720	0.065
18:30 - 19:00	5	3720	0.011	5	3720	0.032	5	3720	0.043
19:00 - 19:30	<b>1</b>	<b>2950</b>	<b>0.169</b>	<b>1</b>	<b>2950</b>	<b>0.102</b>	<b>1</b>	<b>2950</b>	<b>0.271</b>
19:30 - 20:00	1	2950	0.034	1	2950	0.102	1	2950	0.136
20:00 - 20:30	1	2950	0.034	1	2950	0.034	1	2950	0.068
20:30 - 21:00	1	2950	0.068	1	2950	0.102	1	2950	0.170
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			1.650			1.532			3.182

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

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



**Parameter summary**

Trip rate parameter range selected:	750 - 9000 (units: sqm)
Survey date date range:	01/01/08 - 13/11/15
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	4

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

TRIP RATE for Land Use 02 - EMPLOYMENT/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
05:30 - 06:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:00 - 06:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:30 - 07:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
07:00 - 07:30	4	4463	0.000	4	4463	0.000	4	4463	0.000
07:30 - 08:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
08:00 - 08:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
08:30 - 09:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:00 - 09:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:30 - 10:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:00 - 10:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:30 - 11:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:00 - 11:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:30 - 12:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:00 - 12:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:30 - 13:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
13:00 - 13:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
13:30 - 14:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
14:00 - 14:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
14:30 - 15:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
15:00 - 15:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
15:30 - 16:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:00 - 16:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:30 - 17:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
17:00 - 17:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
17:30 - 18:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:00 - 18:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:30 - 19:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
19:00 - 19:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
19:30 - 20:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:00 - 20:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:30 - 21:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.000			0.000			0.000

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

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**Parameter summary**

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Survey date date range:	01/01/08 - 13/11/15
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	4

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

TRIP RATE for Land Use 02 - EMPLOYMENT/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
05:30 - 06:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:00 - 06:30	1	2950	0.034	1	2950	0.000	1	2950	0.034
06:30 - 07:00	1	2950	0.034	1	2950	0.000	1	2950	0.034
07:00 - 07:30	4	4463	0.011	4	4463	0.006	4	4463	0.017
07:30 - 08:00	5	3720	0.011	5	3720	0.016	5	3720	0.027
08:00 - 08:30	5	3720	0.011	5	3720	0.011	5	3720	0.022
08:30 - 09:00	5	3720	0.032	5	3720	0.000	5	3720	0.032
09:00 - 09:30	5	3720	0.011	5	3720	0.011	5	3720	0.022
09:30 - 10:00	5	3720	0.011	5	3720	0.011	5	3720	0.022
10:00 - 10:30	5	3720	0.027	5	3720	0.005	5	3720	0.032
10:30 - 11:00	5	3720	0.005	5	3720	0.027	5	3720	0.032
11:00 - 11:30	5	3720	0.032	5	3720	0.032	5	3720	0.064
11:30 - 12:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:00 - 12:30	5	3720	0.016	5	3720	0.005	5	3720	0.021
12:30 - 13:00	5	3720	0.016	5	3720	0.011	5	3720	0.027
13:00 - 13:30	5	3720	0.032	5	3720	0.005	5	3720	0.037
13:30 - 14:00	5	3720	0.016	5	3720	0.005	5	3720	0.021
14:00 - 14:30	<b>5</b>	<b>3720</b>	<b>0.038</b>	5	3720	0.022	5	3720	0.060
14:30 - 15:00	5	3720	0.027	5	3720	0.011	5	3720	0.038
15:00 - 15:30	5	3720	0.022	5	3720	0.016	5	3720	0.038
15:30 - 16:00	5	3720	0.005	5	3720	0.011	5	3720	0.016
16:00 - 16:30	5	3720	0.011	5	3720	0.005	5	3720	0.016
16:30 - 17:00	5	3720	0.027	5	3720	0.016	5	3720	0.043
17:00 - 17:30	5	3720	0.011	5	3720	0.011	5	3720	0.022
17:30 - 18:00	5	3720	0.000	5	3720	0.016	5	3720	0.016
18:00 - 18:30	5	3720	0.005	5	3720	0.005	5	3720	0.010
18:30 - 19:00	5	3720	0.000	5	3720	0.027	5	3720	0.027
19:00 - 19:30	1	2950	0.000	<b>1</b>	<b>2950</b>	<b>0.102</b>	<b>1</b>	<b>2950</b>	<b>0.102</b>
19:30 - 20:00	1	2950	0.000	1	2950	0.102	1	2950	0.102
20:00 - 20:30	1	2950	0.000	1	2950	0.034	1	2950	0.034
20:30 - 21:00	1	2950	0.000	1	2950	0.068	1	2950	0.068
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.445			0.591			1.036

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

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

**Parameter summary**

Trip rate parameter range selected:	750 - 9000 (units: sqm)
Survey date date range:	01/01/08 - 13/11/15
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	4

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

TRIP RATE for Land Use 02 - EMPLOYMENT/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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
05:30 - 06:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:00 - 06:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:30 - 07:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
07:00 - 07:30	4	4463	0.000	4	4463	0.000	4	4463	0.000
07:30 - 08:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
08:00 - 08:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
08:30 - 09:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:00 - 09:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:30 - 10:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:00 - 10:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:30 - 11:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:00 - 11:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:30 - 12:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:00 - 12:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:30 - 13:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
13:00 - 13:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
13:30 - 14:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
14:00 - 14:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
14:30 - 15:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
15:00 - 15:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
15:30 - 16:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:00 - 16:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:30 - 17:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
17:00 - 17:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
17:30 - 18:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:00 - 18:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:30 - 19:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
19:00 - 19:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
19:30 - 20:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:00 - 20:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:30 - 21:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
<b>Total Rates:</b>			0.000			0.000			0.000

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

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

**Parameter summary**

Trip rate parameter range selected:	750 - 9000 (units: sqm)
Survey date date range:	01/01/08 - 13/11/15
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	4

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)

**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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
05:30 - 06:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:00 - 06:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
06:30 - 07:00	<b>1</b>	<b>2950</b>	<b>0.034</b>	1	2950	0.000	<b>1</b>	<b>2950</b>	<b>0.034</b>
07:00 - 07:30	4	4463	0.000	4	4463	0.000	4	4463	0.000
07:30 - 08:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
08:00 - 08:30	5	3720	0.005	5	3720	0.000	5	3720	0.005
08:30 - 09:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:00 - 09:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
09:30 - 10:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:00 - 10:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
10:30 - 11:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:00 - 11:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
11:30 - 12:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:00 - 12:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
12:30 - 13:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
13:00 - 13:30	5	3720	0.000	<b>5</b>	<b>3720</b>	<b>0.005</b>	5	3720	0.005
13:30 - 14:00	5	3720	0.005	5	3720	0.000	5	3720	0.005
14:00 - 14:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
14:30 - 15:00	5	3720	0.000	5	3720	0.005	5	3720	0.005
15:00 - 15:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
15:30 - 16:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:00 - 16:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
16:30 - 17:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
17:00 - 17:30	5	3720	0.000	5	3720	0.005	5	3720	0.005
17:30 - 18:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:00 - 18:30	5	3720	0.000	5	3720	0.000	5	3720	0.000
18:30 - 19:00	5	3720	0.000	5	3720	0.000	5	3720	0.000
19:00 - 19:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
19:30 - 20:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:00 - 20:30	1	2950	0.000	1	2950	0.000	1	2950	0.000
20:30 - 21:00	1	2950	0.000	1	2950	0.000	1	2950	0.000
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			0.044			0.015			0.059

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**Parameter summary**

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Survey date date range:	01/01/08 - 13/11/15
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Number of Saturdays:	0
Number of Sundays:	0
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This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.