

Prepared on behalf of

Derwent Construction Limited

**Liverpool Shopping Park - Western Quarter
Edge Lane, Liverpool**

Technical Note

Acknowledgements:

The TRICS database has been used in this report to calculate traffic generations.

Disclaimer

The methodology adopted and the sources of information used by Sanderson Associates (Consulting Engineers) Ltd in providing its services are outlined within this Report.

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1 Introduction

- 1.1 Sanderson Associates (Consulting Engineers) Limited has been appointed by Derwent Construction Limited to prepare a Technical Note to assess the potential impact of the Western Quarter of the Liverpool Shopping Park once brought into operation. The plan attached at **Appendix A (Figure 1)** identifies the wider Liverpool Shopping Park (formerly known as Edge Lane Retail Park) with the proposed Western Quarter section shaded blue.
- 1.2 The existing Retail Park has been operational for a number of years and has been the subject of several redevelopment schemes which are covered by a variety of planning consents.
- 1.3 However, during 2014 it was agreed with the Council that several retail buildings would be demolished on the Retail Park and adjacent, associated sites, to enable environmental improvements to take place in the form of site clearance and the erection of hoardings to shield the site from the adjacent highway network, until such time as a coordinated development scheme had been agreed with the Council.
- 1.4 This Technical Note provides a comparison assessment between the traffic generations of those buildings which are now demolished and the Western Quarter proposals currently under consideration.

2 Previous, Approved and Proposed Retail Floor Areas and Associated Trip Generations

- 2.1 Within this quadrant of the Retail Park site, seven former buildings (previously accommodating eight occupiers) were demolished in 2014. The units in question were last occupied by known retailers Homebase, Thomas Cook, and Floors to Go, along with furniture and carpet retailers typical of a retail park of this nature.
- 2.2 These seven units provided approximately 154,830 sq ft (14,383m²) of non-food retail floor space, including operational mezzanine floor areas.
- 2.3 The scheme approved under 13F/2313 provided an A3 unit broadly in the location of proposed units 32-34, and non-food A1 units in the locations of proposed units 21-28 inclusive of substantive mezzanine provision. The overall approved floor area consists of approximately 16,386m² of floor space, including mezzanine floor areas.
- 2.4 The floor area (including mezzanine floor areas) of proposed Units 21 – 28 on the Liverpool Shopping Park development, in this Western Quarter of the Retail Park, equates to some 154,149.6sq ft (approximately 14,321m²) of retail offer. This is some 62m² less than that previously available on this area of the Retail Park.
- 2.5 The proposed Western Quarter also incorporates Units 32 – 34 which are three small units which could be utilised as either A1 (General Retail) or A3 (Fast Food Restaurant). The floor area of these three units (including potential mezzanine floor areas) equates to some 753 m².
- 2.6 The total proposals result in an overall floor area of 162,249.6sq ft (approximately 15073.3m²), this is an increase of 690m² when compared against the previous buildings on site and a reduction of 1,313m² when compared against the approved redevelopment for the site.

- 2.7 Using information from the TRICS 7.2.2 (2015) database the trip rates that could be apportioned to this type of use have been identified for the previously established peak hours of 08:00 – 09:00, 17:00 – 18:00 and 12:45 – 13:45 in the AM, PM and Saturday peaks respectively. The TRICS data outputs are attached at **Appendix B** and the table below provides a summary:-

		Trip Rate (per 100m ²)		
Land Use	Peak Period	Arrivals	Departures	Two-Way
Retail Park Exc. Food	AM	0.608	0.297	0.905
	PM	1.196	1.273	2.469
	Sat	3.079	3.037	6.116

Table 2.5 – TRICS 7.2.2 Trip Rates – Retail Park Excluding Food

- 2.8 Given the minimal difference between the three scenarios a direct comparison is not considered necessary. However, an indication of the likely trips that could be envisaged in the different scenarios is provided below, based on the previous building floor areas:-

		Predicted Vehicle Generations		
Land Use	Peak Period	Arrivals	Departures	Two-Way
Retail Park Exc. Food 14,383m ²	AM	87	43	130
	PM	172	183	355
	Sat	443	437	880

Table 2.5 – Potential Vehicle Generations – Based on Former Building GFA

- 2.9 When assessing the trip rates of various uses using the TRICS database it is acknowledged that the A3 (Restaurants) option of the three smaller units (Units 32-34) would theoretically increase the overall trip rates. However, bearing in mind the small floor area involved it is considered that this would be minimal and would not result in a material impact upon the overall trip generation particularly when linked trips are taken into consideration.

3 Trip Type Assessment

- 3.1 Typically, 30% of trips made to retail parks are "linked" trips in that a visitor to one unit will visit one or more other units on the same retail park during the same trip. Therefore, the above values can be reduced by 30%, a process which has previously been agreed with the Council.
- 3.2 However, the further matter of "Trip Type" then needs to be considered, as has been submitted to the Council on a number of occasions in relation to the wider Edge Lane redevelopment scheme, and research presented within TRICS Research Report 95/2 has been used which provides an overview of 'Pass By' and Diverted Traffic' research and although this guidance was recently superseded, it is still considered relevant in this case.
- 3.3 The recent guidance contained within the new TRICS report 14/1 identifies that pass-by and diverted trips should be considered on an individual basis considering factors including the variety of facilities within a site, location and proximity to infrastructure. Given the variety of stores to be accommodated within the site and prominent location adjacent to major transport corridors the superseded guidance is considered to be applicable whilst providing a robust assessment.
- 3.4 The research report provides details of both UK and American examples of research conducted on the proportion of 'primary' and 'non-primary' trips generated by new supermarket developments. For reference purposes the Institute of Transport Studies defines 'Primary' and 'Non-Primary' trips as follows:
- Primary are defined here to be single purpose trips for example, home - development - home. (Primary includes new traffic and traffic transferring from one existing development to the new development)
 - Non-primary are defined to be multi-purpose trips, which call into the development en-route to another destination. Frequently this is a work - shop - home trip. Non-primary trips can be further sub-divided into diverted and pass-by trips. Diverted trips are non-primary trips that deviate off their normal

route to visit the new development without having to make any significant diversion from their existing route.

- 3.5 The proportion of 'primary' and 'non-primary' trips is dependent upon a number of factors which include the proximity of the site to an arterial route, the size of the proposed development and the comparative proximity of other retail developments within the area.
- 3.6 The site is situated off the principal A5047 Edge Lane which is a primary connector / collector route linking the centre of Liverpool with the M62. Within proximity to the A5047 lies the B5179 and traffic travelling from the south or north will primarily utilise this route. The research report suggests that the proximity of the site to an arterial route increases the potential for pass-by trips. The research concludes that the proportion of pass-by / diverted (non-primary) will not exceed 40% of the traffic generated by the development.
- 3.7 The remaining 60% of traffic is made up of 'new' and 'transferred' (Primary) trips and from the research presented the majority of the 'Primary' trips comprise transferred trips equating to 50% of the remaining 60%.
- 3.8 Given the findings of the TRICS research, as has previously been agreed with the Council, it is assumed that 40% of non-food retail related traffic (excluding linked trips at 30%) will be pass-by or diverted traffic. Given the location of the site on the A5047 the number of pass-by and diverted trips associated with the former and proposed retail options are identified below:-

		Traffic Generations		
		Arrivals	Departure	Total
Retail Park Exc. Food 14,383m ²	Weekday 0800-0900	24	12	36
	Weekday 1700-1800	48	51	99
	Saturday 1300-1400	124	122	246

Table 3.7 - Non-Food Retail – Pass by and Diverted (40%) – Based on Former Retail GFA

- 3.9 It is assumed that the remaining traffic (60% of the development traffic excluding linked trips) is new / transferred from other retail destinations, thus presenting a worst case. The numbers of new / transferred from these are identified overleaf:-

		Traffic Generations		
		Arrivals	Departure	Total
Retail Park Exc. Food 14,383m ²	Weekday 0800-0900	37	18	55
	Weekday 1700-1800	72	77	149
	Saturday 1300-1400	186	184	370

Table 3.8 - Non-Food Retail – New/Transferred (60%) – Based on Former Retail GFA

- 3.10 However, it must be acknowledged that only a small proportion of the trips likely to be generated by a retail development of this nature will be actual “new trips” on the network. This value is generally accepted as being around 10%.
- 3.11 The remaining trips will already be taking place on the network and will take the form of pass-by, diverted and transferred trips and whilst these may result in different manoeuvres at certain junctions they are not entirely new trips and should not be viewed as such.
- 3.12 The proportions presented above are considered to be in keeping with the proportions presented in the TRICS Research Report 95/2.

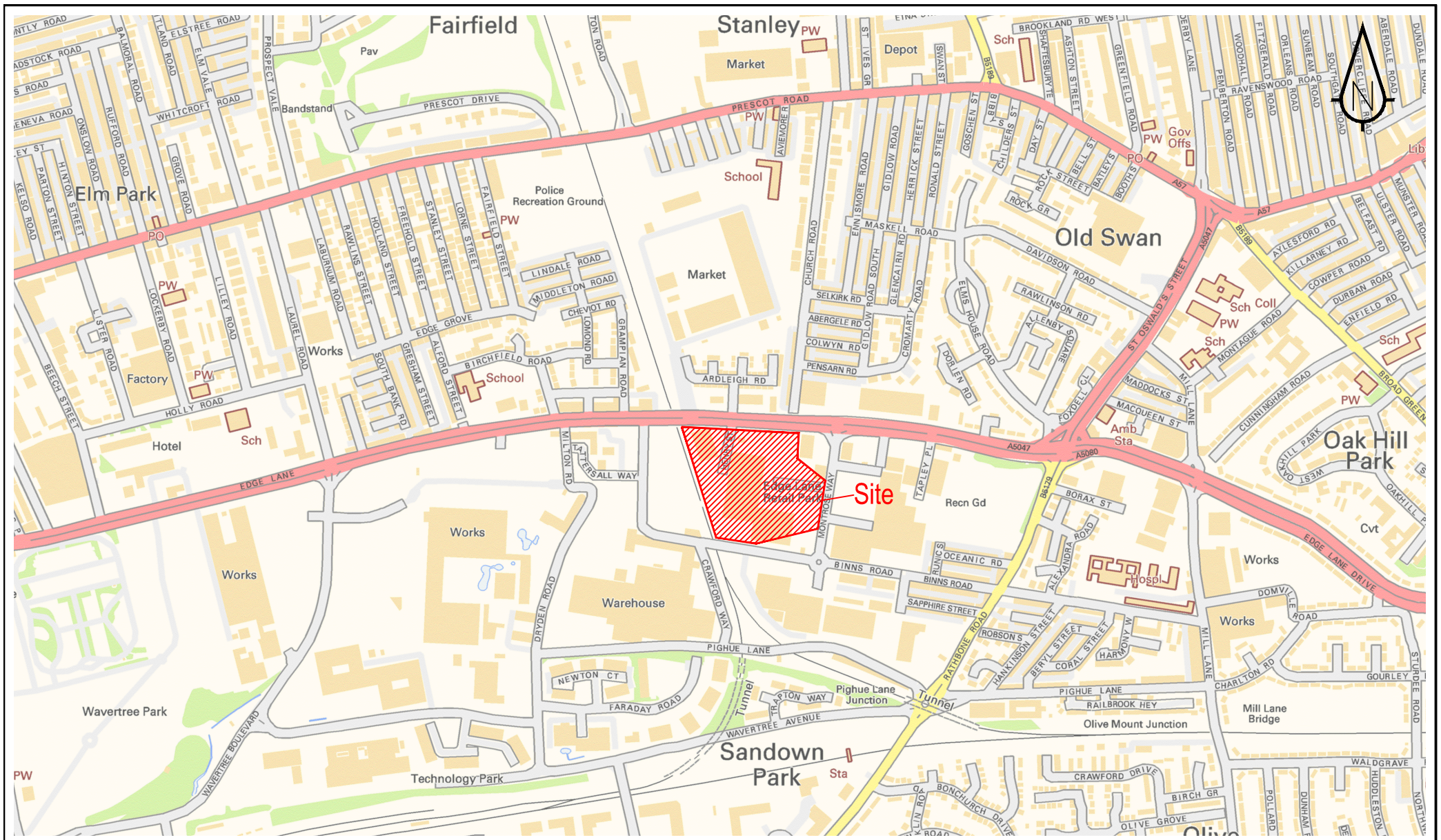
4 Conclusions

- 4.1 The analysis of the previous and proposed retail developments on this section of the Edge Lane Retail Park/Liverpool Shopping Park has shown that:
- the uses of the retail floor areas in question are directly comparable,
 - the proposed overall GFA on the Liverpool Shopping Park Western Quarter will increase slightly when compared against what was operational before in this part of the retail park.
- 4.2 For clarification there will be no increase in retail or commercial floorspace above that previously approved under planning reference 13F/2313.
- 4.3 Given the comparable traffic generation predicted it is considered that there will be no adverse impact on the local highway network in terms of its capacity and there is no valid reason why the initial Western Quarter of the proposed Liverpool Shopping Park, comprising Units 21 – 28 and Units 32-34, could not be constructed and brought into use utilising the existing infrastructure.
- 4.4 The former buildings were demolished with the agreement of the Council specifically to enhance the appearance of the site on this primary route into Liverpool and had they not been demolished they could have been brought back into use at any time with no requirement for planning consent, or examination of their “highway impact”.
- 4.5 However, it should be noted that the developers of the Liverpool Shopping Park, Derwent Construction Limited, intend to bring forward the off-site highway improvement works at the earliest opportunity in partnership with Liverpool City Council and it is confirmed that preliminary discussions are currently taking place in this respect.

-
- 4.6 In line with para 32 of the National Planning Policy Framework this Technical Note has demonstrated that the residual cumulative impact of the proposals could not be viewed as severe when compared to the former position and the Council are, therefore, requested to acknowledge the scope of this Technical Note and to confirm its findings.

APPENDIX A

Figure 1 – Liverpool Shopping Park Location Plan Identifying Western Quarter



APPENDIX B

TRICS 7.2.2 Data Output – Retail Park Excluding Food - Weekday and Saturday

Calculation Reference: AUDIT-311901-150803-0842

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : K - RETAIL PARK - EXCLUDING FOOD
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	KC KENT	1 days
03	SOUTH WEST	
	GS GLOUCESTERSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	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: 5854 to 15750 (units: sqm)
 Range Selected by User: 2575 to 35244 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/00 to 07/06/14

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:

Thursday	3 days
Friday	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:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	4
Neighbourhood Centre (PPS6 Local Centre)	1

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

Selected Location Sub Categories:

Industrial Zone	1
Residential Zone	1
Retail Zone	1
Built-Up Zone	1
No Sub Category	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.

Filtering Stage 3 selection:

Use Class:

Not Known	1 days
A1	5 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:

1,001 to 5,000	1 days
10,001 to 15,000	3 days
20,001 to 25,000	1 days
25,001 to 50,000	1 days

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

Population within 5 miles:

25,001 to 50,000	1 days
50,001 to 75,000	1 days
75,001 to 100,000	2 days
125,001 to 250,000	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	3 days
2.1 to 2.5	1 days

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

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	6 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Not Known	4 days
No	2 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

1	ES-01-K-04 THE DROVE NEWHAVEN Edge of Town Industrial Zone Total Gross floor area: Survey date: THURSDAY	RETAIL PARK 6758 sqm 03/07/03	EAST SUSSEX Survey Type: MANUAL
2	GS-01-K-02 EASTERN AVENUE BARNWOOD GLOUCESTER Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: Survey date: THURSDAY	RETAIL PARK 8687 sqm 28/11/13	GLOUCESTERSHIRE Survey Type: MANUAL
3	KC-01-K-01 MAIDSTONE ROAD HORSTED CHATHAM Edge of Town Residential Zone Total Gross floor area: Survey date: THURSDAY	RETAIL PARK 15568 sqm 08/06/00	KENT Survey Type: MANUAL
4	ST-01-K-04 SILKMORE LANE QUEENSVILLE STAFFORD Edge of Town No Sub Category Total Gross floor area: Survey date: FRIDAY	RETAIL PARK 15750 sqm 08/09/00	STAFFORDSHIRE Survey Type: MANUAL
5	WM-01-K-01 HARBORNE LANE SELLY OAK BIRMINGHAM Neighbourhood Centre (PPS6 Local Centre) Built-Up Zone Total Gross floor area: Survey date: FRIDAY	RETAIL PARK 9740 sqm 16/06/00	WEST MIDLANDS Survey Type: MANUAL
6	WO-01-K-01 ALVECHURCH HIGHWAY ENFIELD REDDITCH Edge of Town Retail Zone Total Gross floor area: Survey date: FRIDAY	HOME/ALLIED 5854 sqm 05/07/02	WORCESTERSHIRE Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	3	10097	0.112	3	10097	0.033	3	10097	0.145
08:00 - 09:00	6	10393	0.608	6	10393	0.297	6	10393	0.905
09:00 - 10:00	6	10393	1.212	6	10393	0.744	6	10393	1.956
10:00 - 11:00	6	10393	1.472	6	10393	1.230	6	10393	2.702
11:00 - 12:00	6	10393	1.564	6	10393	1.445	6	10393	3.009
12:00 - 13:00	6	10393	1.644	6	10393	1.522	6	10393	3.166
13:00 - 14:00	6	10393	1.628	6	10393	1.597	6	10393	3.225
14:00 - 15:00	6	10393	1.589	6	10393	1.541	6	10393	3.130
15:00 - 16:00	6	10393	1.596	6	10393	1.647	6	10393	3.243
16:00 - 17:00	6	10393	1.461	6	10393	1.546	6	10393	3.007
17:00 - 18:00	6	10393	1.196	6	10393	1.273	6	10393	2.469
18:00 - 19:00	6	10393	1.445	6	10393	1.355	6	10393	2.800
19:00 - 20:00	6	10393	0.852	6	10393	1.660	6	10393	2.512
20:00 - 21:00	4	10008	0.310	4	10008	0.565	4	10008	0.875
21:00 - 22:00	3	10097	0.149	3	10097	0.621	3	10097	0.770
22:00 - 23:00	1	15750	0.013	1	15750	0.165	1	15750	0.178
23:00 - 24:00									
Total Rates:			16.851			17.241			34.092

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: 5854 - 15750 (units: sqm)
 Survey date range: 01/01/00 - 07/06/14
 Number of weekdays (Monday-Friday): 6
 Number of Saturdays: 0
 Number of Sundays: 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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	3	10097	0.020	3	10097	0.013	3	10097	0.033
08:00 - 09:00	6	10393	0.010	6	10393	0.010	6	10393	0.020
09:00 - 10:00	6	10393	0.024	6	10393	0.027	6	10393	0.051
10:00 - 11:00	6	10393	0.014	6	10393	0.019	6	10393	0.033
11:00 - 12:00	6	10393	0.021	6	10393	0.018	6	10393	0.039
12:00 - 13:00	6	10393	0.016	6	10393	0.019	6	10393	0.035
13:00 - 14:00	6	10393	0.019	6	10393	0.016	6	10393	0.035
14:00 - 15:00	6	10393	0.021	6	10393	0.019	6	10393	0.040
15:00 - 16:00	6	10393	0.018	6	10393	0.016	6	10393	0.034
16:00 - 17:00	6	10393	0.024	6	10393	0.019	6	10393	0.043
17:00 - 18:00	6	10393	0.003	6	10393	0.014	6	10393	0.017
18:00 - 19:00	6	10393	0.000	6	10393	0.003	6	10393	0.003
19:00 - 20:00	6	10393	0.000	6	10393	0.003	6	10393	0.003
20:00 - 21:00	4	10008	0.000	4	10008	0.005	4	10008	0.005
21:00 - 22:00	3	10097	0.000	3	10097	0.000	3	10097	0.000
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.190			0.201			0.391

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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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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD

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									
06:00 - 07:00									
07:00 - 08:00	3	10097	0.000	3	10097	0.000	3	10097	0.000
08:00 - 09:00	6	10393	0.003	6	10393	0.002	6	10393	0.005
09:00 - 10:00	6	10393	0.000	6	10393	0.000	6	10393	0.000
10:00 - 11:00	6	10393	0.003	6	10393	0.003	6	10393	0.006
11:00 - 12:00	6	10393	0.000	6	10393	0.000	6	10393	0.000
12:00 - 13:00	6	10393	0.002	6	10393	0.002	6	10393	0.004
13:00 - 14:00	6	10393	0.000	6	10393	0.000	6	10393	0.000
14:00 - 15:00	6	10393	0.003	6	10393	0.002	6	10393	0.005
15:00 - 16:00	6	10393	0.003	6	10393	0.003	6	10393	0.006
16:00 - 17:00	6	10393	0.000	6	10393	0.000	6	10393	0.000
17:00 - 18:00	6	10393	0.000	6	10393	0.002	6	10393	0.002
18:00 - 19:00	6	10393	0.002	6	10393	0.002	6	10393	0.004
19:00 - 20:00	6	10393	0.000	6	10393	0.002	6	10393	0.002
20:00 - 21:00	4	10008	0.000	4	10008	0.000	4	10008	0.000
21:00 - 22:00	3	10097	0.000	3	10097	0.000	3	10097	0.000
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.016			0.018			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:	5854 - 15750 (units: sqm)
Survey date range:	01/01/00 - 07/06/14
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	3	10097	0.000	3	10097	0.000	3	10097	0.000
08:00 - 09:00	6	10393	0.010	6	10393	0.000	6	10393	0.010
09:00 - 10:00	6	10393	0.003	6	10393	0.003	6	10393	0.006
10:00 - 11:00	6	10393	0.003	6	10393	0.008	6	10393	0.011
11:00 - 12:00	6	10393	0.000	6	10393	0.003	6	10393	0.003
12:00 - 13:00	6	10393	0.003	6	10393	0.003	6	10393	0.006
13:00 - 14:00	6	10393	0.008	6	10393	0.002	6	10393	0.010
14:00 - 15:00	6	10393	0.003	6	10393	0.008	6	10393	0.011
15:00 - 16:00	6	10393	0.005	6	10393	0.014	6	10393	0.019
16:00 - 17:00	6	10393	0.024	6	10393	0.018	6	10393	0.042
17:00 - 18:00	6	10393	0.011	6	10393	0.018	6	10393	0.029
18:00 - 19:00	6	10393	0.005	6	10393	0.006	6	10393	0.011
19:00 - 20:00	6	10393	0.006	6	10393	0.010	6	10393	0.016
20:00 - 21:00	4	10008	0.000	4	10008	0.010	4	10008	0.010
21:00 - 22:00	3	10097	0.000	3	10097	0.000	3	10097	0.000
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.081			0.103			0.184

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: 5854 - 15750 (units: sqm)
 Survey date range: 01/01/00 - 07/06/14
 Number of weekdays (Monday-Friday): 6
 Number of Saturdays: 0
 Number of Sundays: 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.

Calculation Reference: AUDIT-311901-150803-0849

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : K - RETAIL PARK - EXCLUDING FOOD
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	EX ESSEX	1 days
	KC KENT	1 days
	SC SURREY	1 days
03	SOUTH WEST	
	CW CORNWALL	1 days
	DC DORSET	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	4 days
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NE NORTH EAST LINCOLNSHIRE	1 days
	NY NORTH YORKSHIRE	2 days
08	NORTH WEST	
	LC LANCASHIRE	1 days
09	NORTH	
	CB CUMBRIA	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: 2800 to 15750 (units: sqm)
 Range Selected by User: 2575 to 35244 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/00 to 07/06/14

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:

Saturday 23 days

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

Selected survey types:

Manual count 23 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) 10
 Edge of Town 12
 Neighbourhood Centre (PPS6 Local Centre) 1

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

Selected Location Sub Categories:

Industrial Zone 7
 Commercial Zone 3
 Development Zone 1
 Residential Zone 3
 Retail Zone 2
 Built-Up Zone 3
 No Sub Category 4

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:

Not Known 1 days
 A1 22 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®.

Filtering Stage 3 selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	2 days
10,001 to 15,000	6 days
15,001 to 20,000	6 days
20,001 to 25,000	2 days
25,001 to 50,000	5 days

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

Population within 5 miles:

5,000 or Less	1 days
50,001 to 75,000	5 days
75,001 to 100,000	3 days
125,001 to 250,000	8 days
250,001 to 500,000	4 days
500,001 or More	2 days

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

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	8 days
1.1 to 1.5	12 days
1.6 to 2.0	1 days
2.1 to 2.5	1 days

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

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	23 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Not Known	3 days
No	20 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

1	CB-01-K-01 PARKHOUSE ROAD KINGSTOWN CARLISLE Edge of Town Industrial Zone Total Gross floor area: Survey date: SATURDAY	9225 sqm 06/02/10	CUMBRIA	Survey Type: MANUAL
2	CW-01-K-01 TREVENSON ROAD CAMBORNE Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: Survey date: SATURDAY	11400 sqm 22/09/07	CORNWALL	Survey Type: MANUAL
3	DC-01-K-07 RETAIL PARK REDLANDS BRANKSOME POOLE Suburban Area (PPS6 Out of Centre) Built-Up Zone Total Gross floor area: Survey date: SATURDAY	12850 sqm 19/07/08	DORSET	Survey Type: MANUAL
4	ES-01-K-04 RETAIL PARK THE DROVE NEWHAVEN Edge of Town Industrial Zone Total Gross floor area: Survey date: SATURDAY	6758 sqm 05/07/03	EAST SUSSEX	Survey Type: MANUAL
5	EX-01-K-02 RETAIL PARK CHELMER ROAD CHELMER VILLAGE CHELMSFORD Edge of Town Residential Zone Total Gross floor area: Survey date: SATURDAY	16150 sqm 19/10/13	ESSEX	Survey Type: MANUAL
6	KC-01-K-01 RETAIL PARK MAIDSTONE ROAD HORSTED CHATHAM Edge of Town Residential Zone Total Gross floor area: Survey date: SATURDAY	15568 sqm 10/06/00	KENT	Survey Type: MANUAL
7	LC-01-K-05 RETAIL PARK MARINER'S WAY PRESTON Suburban Area (PPS6 Out of Centre) Commercial Zone Total Gross floor area: Survey date: SATURDAY	3500 sqm 08/10/11	LANCASHIRE	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	LN-01-K-01 TRITTON ROAD	RETAIL PARK	LINCOLNSHIRE
	LINCOLN		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	13129 sqm	
	Survey date: SATURDAY	12/05/07	Survey Type: MANUAL
9	NE-01-K-01 VICTORIA STREET NORTH	RETAIL PARK	NORTH EAST LINCOLNSHIRE
	GRIMSBY		
	Suburban Area (PPS6 Out of Centre)		
	Built-Up Zone		
	Total Gross floor area:	4243 sqm	
	Survey date: SATURDAY	07/06/14	Survey Type: MANUAL
10	NF-01-K-01 HALL ROAD	RETAIL PARK	NORFOLK
	LONG JOHN'S HILL		
	NORWICH		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	14100 sqm	
	Survey date: SATURDAY	12/05/07	Survey Type: MANUAL
11	NR-01-K-01 WEEDON ROAD	RETAIL PARK	NORTHAMPTONSHIRE
	SIXFIELDS		
	NORTHAMPTON		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Gross floor area:	6675 sqm	
	Survey date: SATURDAY	29/11/08	Survey Type: MANUAL
12	NT-01-K-01 MANSFIELD ROAD	RETAIL PARK	NOTTINGHAMSHIRE
	DAYBROOK		
	NOTTINGHAM		
	Suburban Area (PPS6 Out of Centre)		
	Retail Zone		
	Total Gross floor area:	7020 sqm	
	Survey date: SATURDAY	26/05/07	Survey Type: MANUAL
13	NY-01-K-02 GRIMBALD CRAG WAY	RETAIL PARK	NORTH YORKSHIRE
	KNARESBOROUGH		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	9452 sqm	
	Survey date: SATURDAY	27/09/08	Survey Type: MANUAL
14	NY-01-K-03 SEAMER ROAD	RETAIL PARK	NORTH YORKSHIRE
	SCARBOROUGH		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	2800 sqm	
	Survey date: SATURDAY	19/09/09	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	SC-01-K-05 ORIENTAL ROAD MAYBURY WOKING Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 4300 sqm Survey date: SATURDAY 05/07/08	RETAIL PARK	SURREY	Survey Type: MANUAL
16	SF-01-K-01 EASLEA ROAD BURY ST EDMUNDS Edge of Town Commercial Zone Total Gross floor area: 9437 sqm Survey date: SATURDAY 13/05/06	RETAIL PARK	SUFFOLK	Survey Type: MANUAL
17	ST-01-K-04 SILKMORE LANE QUEENSVILLE STAFFORD Edge of Town No Sub Category Total Gross floor area: 15750 sqm Survey date: SATURDAY 09/09/00	RETAIL PARK	STAFFORDSHIRE	Survey Type: MANUAL
18	WM-01-K-02 MARSHALL LAKE ROAD SHIRLEY SOLIHULL Edge of Town Commercial Zone Total Gross floor area: 9350 sqm Survey date: SATURDAY 15/09/07	RETAIL PARK	WEST MIDLANDS	Survey Type: MANUAL
19	WM-01-K-03 FLAXLEY PARKWAY STECHEFORD BIRMINGHAM Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 5025 sqm Survey date: SATURDAY 29/11/08	RETAIL PARK	WEST MIDLANDS	Survey Type: MANUAL
20	WM-01-K-04 KINGSBURY ROAD ERDINGTON BIRMINGHAM Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 14690 sqm Survey date: SATURDAY 29/11/08	RETAIL PARK	WEST MIDLANDS	Survey Type: MANUAL
21	WM-01-K-05 HARBORNE LANE SELLY OAK BIRMINGHAM Neighbourhood Centre (PPS6 Local Centre) Built-Up Zone Total Gross floor area: 11599 sqm Survey date: SATURDAY 10/11/12	RETAIL PARK	WEST MIDLANDS	Survey Type: MANUAL
22	WO-01-K-01 ALVECHURCH HIGHWAY ENFIELD REDDITCH Edge of Town Retail Zone Total Gross floor area: 5854 sqm Survey date: SATURDAY 06/07/02	HOME/ALLIED	WORCESTERSHIRE	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

23	WO-01-K-02	RETAIL PARK	WORCESTERSHIRE
	KIDDERMINSTER ROAD		
	NEWTOWN		
	DROITWICH SPA		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	7405 sqm	
	Survey date: SATURDAY	25/06/05	Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	16	9317	0.159	16	9317	0.047	16	9317	0.206
08:00 - 09:00	23	9275	0.615	23	9275	0.264	23	9275	0.879
09:00 - 10:00	23	9275	1.566	23	9275	1.057	23	9275	2.623
10:00 - 11:00	23	9275	2.524	23	9275	2.047	23	9275	4.571
11:00 - 12:00	23	9275	3.023	23	9275	2.758	23	9275	5.781
12:00 - 13:00	23	9275	3.066	23	9275	2.997	23	9275	6.063
13:00 - 14:00	23	9275	3.079	23	9275	3.037	23	9275	6.116
14:00 - 15:00	23	9275	3.276	23	9275	3.151	23	9275	6.427
15:00 - 16:00	23	9275	3.082	23	9275	3.242	23	9275	6.324
16:00 - 17:00	23	9275	2.542	23	9275	3.069	23	9275	5.611
17:00 - 18:00	23	9275	1.854	23	9275	2.406	23	9275	4.260
18:00 - 19:00	23	9275	0.795	23	9275	1.328	23	9275	2.123
19:00 - 20:00	20	9658	0.356	20	9658	0.493	20	9658	0.849
20:00 - 21:00	3	10276	0.068	3	10276	0.049	3	10276	0.117
21:00 - 22:00	1	15750	0.140	1	15750	0.641	1	15750	0.781
22:00 - 23:00	1	15750	0.006	1	15750	0.165	1	15750	0.171
23:00 - 24:00									
Total Rates:			26.151			26.751			52.902

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: 2800 - 15750 (units: sqm)
 Survey date range: 01/01/00 - 07/06/14
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 23
 Number of Sundays: 0
 Surveys manually removed from selection: 3

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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	16	9317	0.003	16	9317	0.001	16	9317	0.004
08:00 - 09:00	23	9275	0.005	23	9275	0.005	23	9275	0.010
09:00 - 10:00	23	9275	0.004	23	9275	0.006	23	9275	0.010
10:00 - 11:00	23	9275	0.008	23	9275	0.007	23	9275	0.015
11:00 - 12:00	23	9275	0.007	23	9275	0.010	23	9275	0.017
12:00 - 13:00	23	9275	0.004	23	9275	0.004	23	9275	0.008
13:00 - 14:00	23	9275	0.007	23	9275	0.007	23	9275	0.014
14:00 - 15:00	23	9275	0.001	23	9275	0.002	23	9275	0.003
15:00 - 16:00	23	9275	0.005	23	9275	0.005	23	9275	0.010
16:00 - 17:00	23	9275	0.004	23	9275	0.005	23	9275	0.009
17:00 - 18:00	23	9275	0.002	23	9275	0.002	23	9275	0.004
18:00 - 19:00	23	9275	0.000	23	9275	0.000	23	9275	0.000
19:00 - 20:00	20	9658	0.000	20	9658	0.000	20	9658	0.000
20:00 - 21:00	3	10276	0.000	3	10276	0.000	3	10276	0.000
21:00 - 22:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.050			0.054			0.104

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: 2800 - 15750 (units: sqm)
 Survey date date range: 01/01/00 - 07/06/14
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 23
 Number of Sundays: 0
 Surveys manually removed from selection: 3

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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD

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									
06:00 - 07:00									
07:00 - 08:00	16	9317	0.000	16	9317	0.000	16	9317	0.000
08:00 - 09:00	23	9275	0.000	23	9275	0.000	23	9275	0.000
09:00 - 10:00	23	9275	0.000	23	9275	0.000	23	9275	0.000
10:00 - 11:00	23	9275	0.001	23	9275	0.001	23	9275	0.002
11:00 - 12:00	23	9275	0.000	23	9275	0.000	23	9275	0.000
12:00 - 13:00	23	9275	0.001	23	9275	0.000	23	9275	0.001
13:00 - 14:00	23	9275	0.000	23	9275	0.001	23	9275	0.001
14:00 - 15:00	23	9275	0.001	23	9275	0.000	23	9275	0.001
15:00 - 16:00	23	9275	0.000	23	9275	0.001	23	9275	0.001
16:00 - 17:00	23	9275	0.001	23	9275	0.000	23	9275	0.001
17:00 - 18:00	23	9275	0.000	23	9275	0.002	23	9275	0.002
18:00 - 19:00	23	9275	0.000	23	9275	0.000	23	9275	0.000
19:00 - 20:00	20	9658	0.000	20	9658	0.000	20	9658	0.000
20:00 - 21:00	3	10276	0.000	3	10276	0.000	3	10276	0.000
21:00 - 22:00	1	15750	0.006	1	15750	0.006	1	15750	0.012
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.010			0.011			0.021

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

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

Parameter summary

Trip rate parameter range selected: 2800 - 15750 (units: sqm)
 Survey date range: 01/01/00 - 07/06/14
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 23
 Number of Sundays: 0
 Surveys manually removed from selection: 3

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 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD
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									
06:00 - 07:00									
07:00 - 08:00	16	9317	0.006	16	9317	0.001	16	9317	0.007
08:00 - 09:00	23	9275	0.006	23	9275	0.003	23	9275	0.009
09:00 - 10:00	23	9275	0.012	23	9275	0.007	23	9275	0.019
10:00 - 11:00	23	9275	0.021	23	9275	0.018	23	9275	0.039
11:00 - 12:00	23	9275	0.019	23	9275	0.024	23	9275	0.043
12:00 - 13:00	23	9275	0.020	23	9275	0.019	23	9275	0.039
13:00 - 14:00	23	9275	0.015	23	9275	0.014	23	9275	0.029
14:00 - 15:00	23	9275	0.019	23	9275	0.020	23	9275	0.039
15:00 - 16:00	23	9275	0.016	23	9275	0.018	23	9275	0.034
16:00 - 17:00	23	9275	0.015	23	9275	0.018	23	9275	0.033
17:00 - 18:00	23	9275	0.016	23	9275	0.018	23	9275	0.034
18:00 - 19:00	23	9275	0.003	23	9275	0.008	23	9275	0.011
19:00 - 20:00	20	9658	0.004	20	9658	0.005	20	9658	0.009
20:00 - 21:00	3	10276	0.000	3	10276	0.000	3	10276	0.000
21:00 - 22:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
22:00 - 23:00	1	15750	0.000	1	15750	0.000	1	15750	0.000
23:00 - 24:00									
Total Rates:			0.172			0.173			0.345

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: 2800 - 15750 (units: sqm)
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