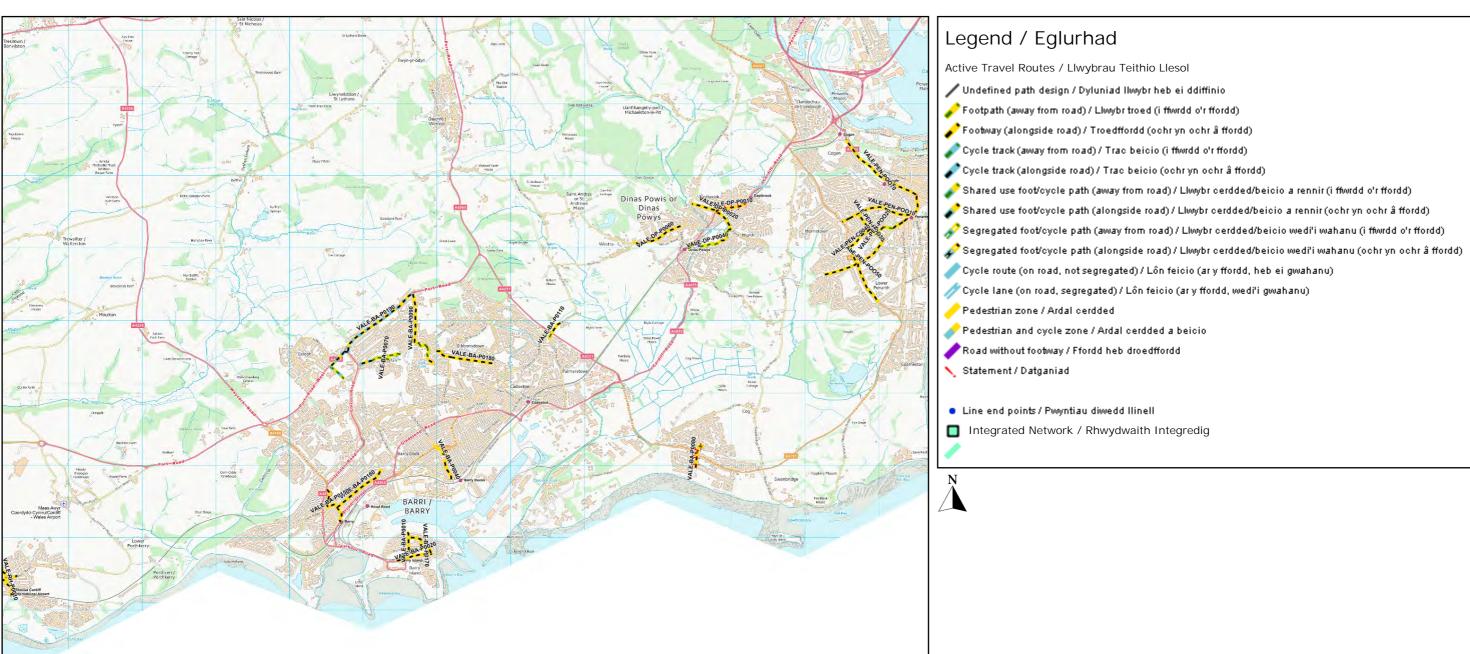
## Barry Pedestrian

Produced by the Active Travel web site. Gynhyrchwyd gan y wefan Teithio Llesol.

Vale of Glamorgan Council Civic Offices Holton Road Barry, CF63 4RU





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Whilst the Welsh Government have made every effort to ensure that the information on this website is accurate and up-to-date, the Welsh Government takes no responsibility for any incorrect information. The data is compiled from Public Rights of Way, Ordnance Survey ITN, Ordnance Survey ITN Urban Path and aerial photography derived data supplemented by field survey. The online map is provided for guidance only and is not a legal record.

Er bod Llywodraeth Cymru wedi gwneud pob ymdrech i sicrhau bod y wybodaeth ar y wefan hon yn gywir ac yn gyfredol, mae Llywodraeth Cymru yn cymryd unrhyw gyfrifoldeb am unrhyw wybodaeth anghywir. Lluniwyd y data o hawliau tramwy cyhoeddus, RhTl yr AO, Llwybrau Trefol RhTl yr AO a data sy'n deillio o ffotograffau o'r awyr wedi'i ategu gan arolwg maes. Yn y map ar-lein yn darparu canllaw yn unig ac nid yw cofnod cyfreithiol.

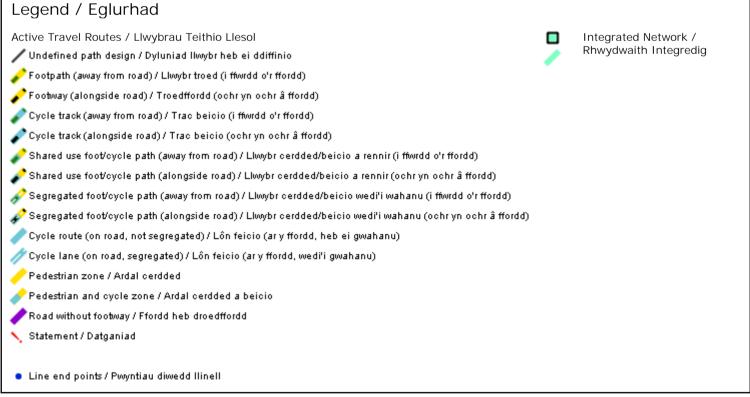


#### Barry Cycle

Produced by the Active Travel web site. Gynhyrchwyd gan y wefan Teithio Llesol.









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Whilst the Welsh Government have made every effort to ensure that the information on this website is accurate and up to date, the Welsh Government to date.

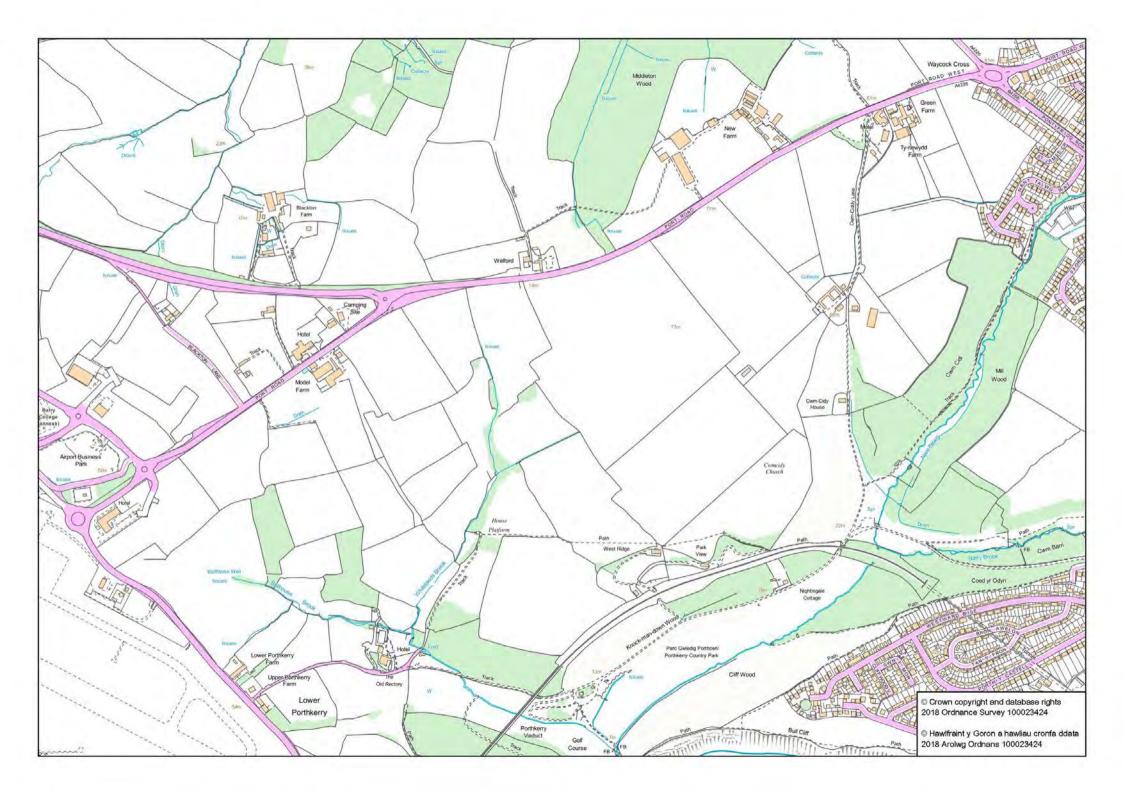
Whilst the Welsh Government have made every effort to ensure that the information on this website is accurate and up-to-date, the Welsh Government takes no responsibility for any incorrect information. The data is compiled from Public Rights of Way, Ordnance Survey ITN, Ordnance Survey ITN Urban Path and aerial photography derived data supplemented by field survey. The online map is provided for guidance only and is not a legal record.

Er bod Llywodraeth Cymru wedi gwneud pob ymdrech i sicrhau bod y wybodaeth ar y wefan hon yn gywir ac yn gyfredol, mae Llywodraeth Cymru yn cymryd unrhyw gyfrifoldeb am unrhyw wybodaeth anghywir. Lluniwyd y data o hawliau tramwy cyhoeddus, RhTl yr AO, Llwybrau Trefol RhTl yr AO a data sy'n deillio o ffotograffau o'r awyr wedi'i ategu gan arolwg maes. Yn y map ar-lein yn darparu canllaw yn unig ac nid yw cofnod cyfreithiol.



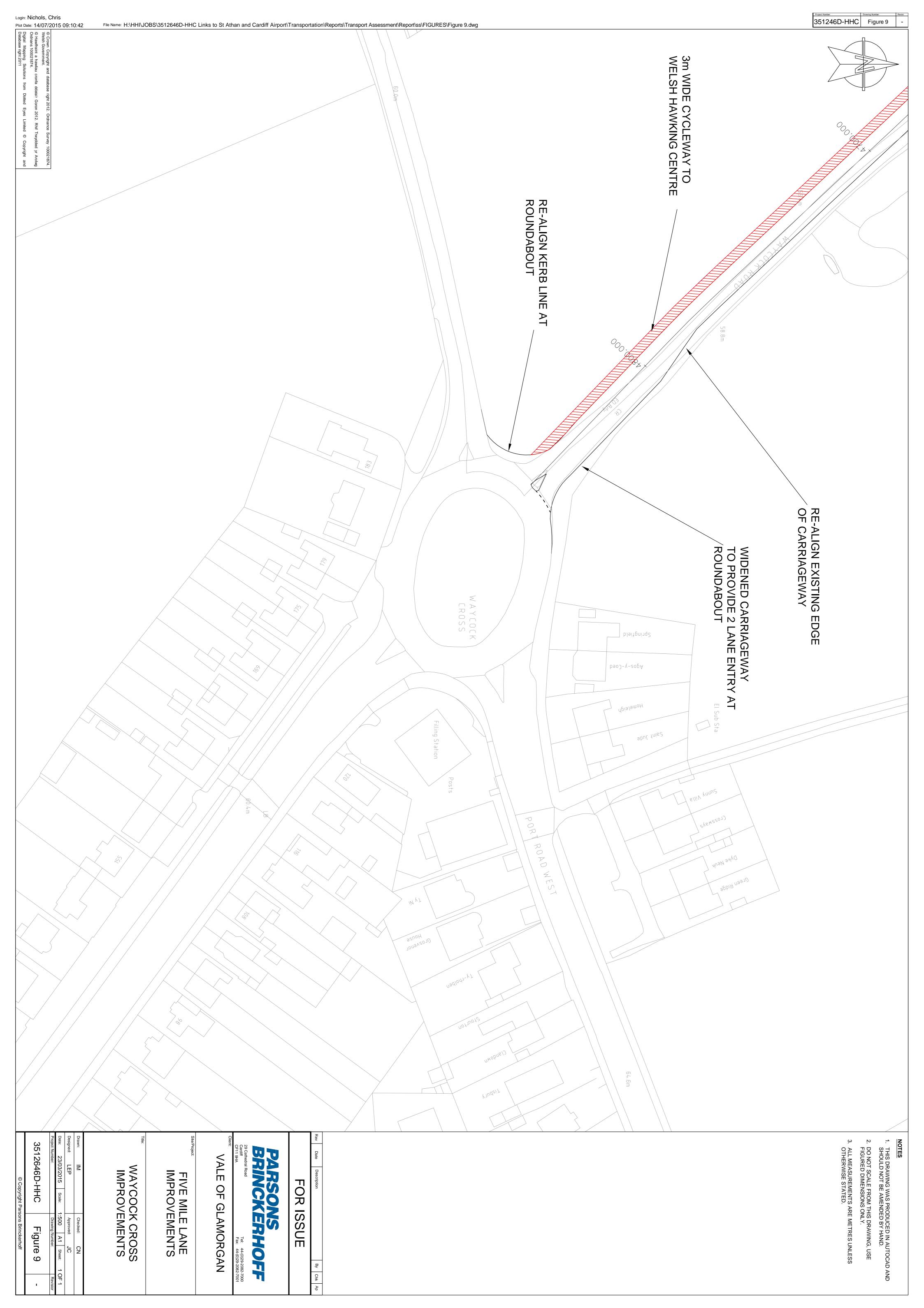


# **Appendix F – Adopted Highway within Site Vicinity**



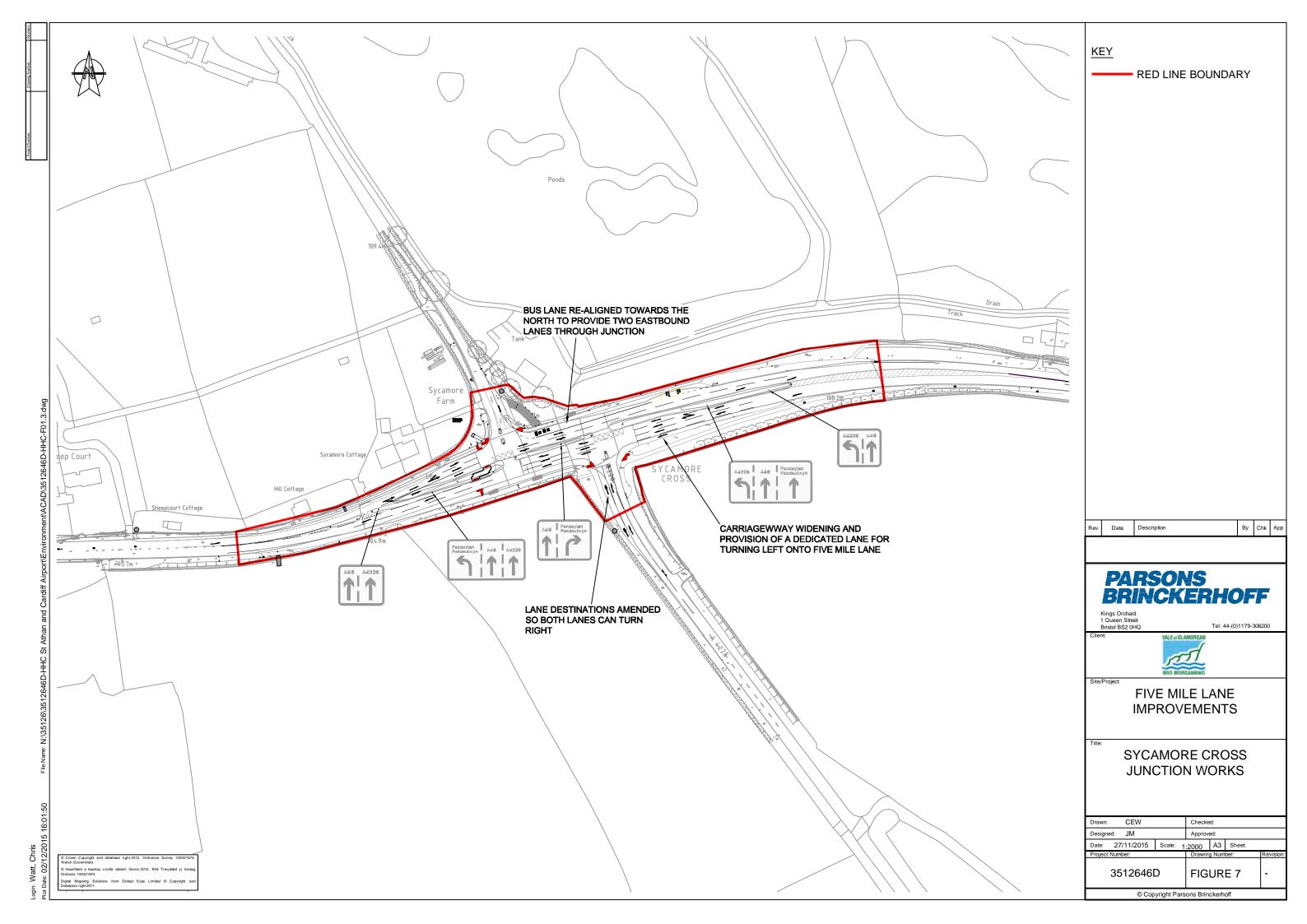


### **Appendix G – Waycock Cross Improvements**



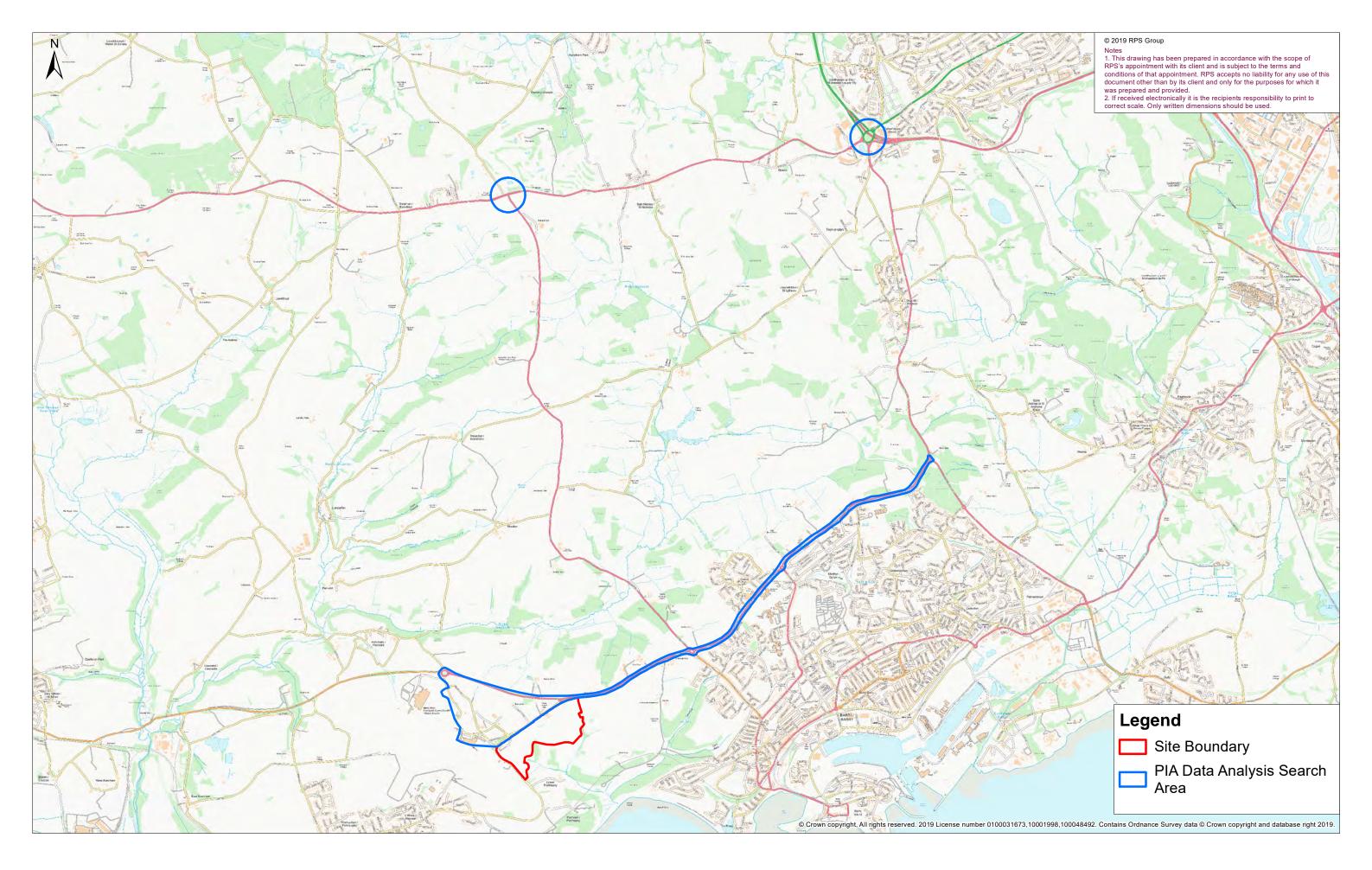


#### Appendix H – Sycamore Cross Proposed Junction Improvements





### **Appendix I – PIA Data Analysis Search Areas**



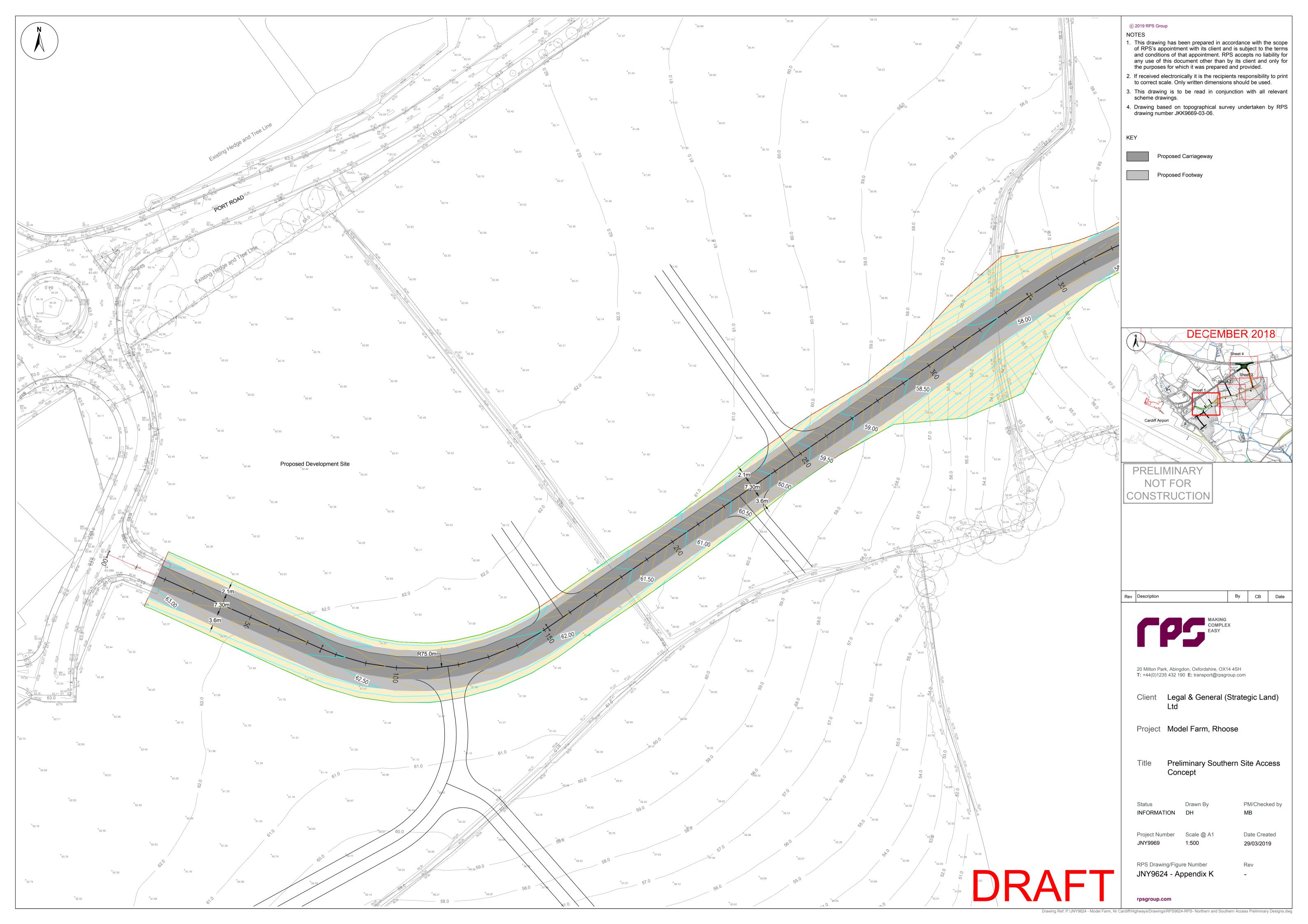


### **Appendix J – Preliminary Northern Access Concept**





### **Appendix K – Preliminary Southern Access Concept**





### **Appendix L – TRICS Output Reports**

MODEL FARM B1 >5,000, NO SUBURBAN

RPS Group 20 Western Avenue, Milton Park Abingdon

Licence No: 515501

Friday 08/02/19

Page 1

Calculation Reference: AUDIT-515501-190208-0224

#### TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT Category : B - BUSINESS PARK

**VEHICLES** 

Selected regions and areas:

02 SOUTH EAST HERTFORDSHIRE 1 days EAST ANGLIA 04 **CAMBRIDGESHIRE** 1 days 05 **EAST MIDLANDS** LN LINCOLNSHIRE 1 days 06 WEST MIDLANDS HEREFORDSHIRE 1 days HF WEST MIDLANDS WM 1 days 07 YORKSHIRE & NORTH LINCOLNSHIRE WEST YORKSHIRE WY 1 days 09 NORTH TYNE & WEAR TW 1 days 10 WALES CF **CARDIFF** 1 days **CAERPHILLY** CP 1 days

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

#### Secondary Filtering selection:

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

Parameter: Gross floor area

Actual Range: 5000 to 34616 (units: sqm)
Range Selected by User: 5000 to 132084 (units: sqm)

Parking Spaces Range: Selected: 7 to 4167 Actual: 7 to 4167

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/08 to 13/03/18

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

#### Selected survey days:

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

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

#### Selected survey types:

Manual count 9 days
Directional ATC Count 0 days

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

Selected Locations:

Edge of Town 8
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 2
Commercial Zone 4
Development Zone 1
Village 1
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.

TRICS 7.5.4 030219 B18.58 Database right of TRICS Consortium Limited, 2019. All rights reserved Friday 08/02/19 MODEL FARM B1 >5,000, NO SUBURBAN Page 2

Licence No: 515501

RPS Group 20 Western Avenue, Milton Park Abingdon

Secondary Filtering selection:

Use Class:

B1 8 days

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

Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	2 days
10,001 to 15,000	3 days
15,001 to 20,000	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
25,001 to 50,000	1 days
50,001 to 75,000	1 days
125,001 to 250,000	3 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 4 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 9 days

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

PTAL Rating:

No PTAL Present 9 days

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

RPS Group 20 Western Avenue, Milton Park Abingdon

Page 3 Licence No: 515501

CAMBRI DGESHI RE

LIST OF SITES relevant to selection parameters

CA-02-B-02 **BUSINESS PARK** 

LYNCH WOOD **PETERBOROUGH** 

Edge of Town Commercial Zone

Total Gross floor area: 12800 sqm

Survey date: WEDNESDAY 19/10/16 Survey Type: MANUAL

CF-02-B-07 **BUSINESS PARK CARDIFF** 

MALTHOUSE AVENUE

**CARDIFF PONTPRENNAU** Edge of Town Commercial Zone

15930 sqm Total Gross floor area:

Survey date: TUESDAY 13/03/18 Survey Type: MANUAL

CP-02-B-01 **BUSINESS PARK** CAERPHILLY

VAN ROAD **CAERPHILLY** 

Edge of Town Commercial Zone

14450 sqm Total Gross floor area:

Survey date: TUESDAY 17/07/12 Survey Type: MANUAL

HE-02-B-01 **BUSINESS PARK HEREFORDSHIRE** 

A4103

**NEAR HEREFORD** WHITESTONE

Neighbourhood Centre (PPS6 Local Centre)

Village

Total Gross floor area: 18808 sqm

Survey date: TUESDAY 13/09/11 Survey Type: MANUAL

HF-02-B-01 **BUSINESS PARK HERTFORDSHIRE** 

ST ALBANS ROAD WEST

**HATFIELD** 

Edge of Town Commercial Zone

Total Gross floor area: 26000 sqm

Survey date: MONDAY 07/07/08 Survey Type: MANUAL LINCOLNSHIRE

LN-02-B-02 **BUSINESS PARK** 

CARDINAL CLOSE

LINCOLN

Edge of Town Industrial Zone

Total Gross floor area: 5000 sqm

Survey date: THURSDAY 25/06/15 Survey Type: MANUAL

TW-02-B-04 TYNE & WEAR **BUSINESS PARK** 

KINGFISHER BOULEVARD NEWCASTLE UPON TYNE

LEMINGTON Edge of Town Industrial Zone

Total Gross floor area:

38853 sqm Survey date: THURSDAY 11/12/08

Survey Type: MANUAL WM-02-B-02 WEST MIDLANDS **BUSINESS PARK** 

PARADISE WAY

COVENTRY

Edge of Town Development Zone

Total Gross floor area: 12800 sqm

Survey date: FRIDAY 11/11/16 Survey Type: MANUAL

WY-02-B-02 WEST YORKSHIRE **BUSINESS PARK** 

ARMITAGE BRIDGE HUDDERSFIELD

Edge of Town No Sub Category

9200 sqm Total Gross floor area:

Survey date: WEDNESDAY 23/04/14 Survey Type: MANUAL

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

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RPS Group 20 Western Avenue, Milton Park Page 4 Licence No: 515501

Abingdon

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
CA-02-B-03	HIGH PT
CA-02-B-03	HIGH PT
CF-02-B-04	HIGH PT
FA-02-B-02	HIGH PT
FI-02-B-01	HIGH PT

RPS Group 20 Western Avenue, Milton Park Abingdon

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	9	15652	0.595	9	15652	0.089	9	15652	0.684
08:00 - 09:00	9	15652	1.313	9	15652	0.217	9	15652	1.530
09:00 - 10:00	9	15652	0.718	9	15652	0.258	9	15652	0.976
10:00 - 11:00	9	15652	0.276	9	15652	0.208	9	15652	0.484
11:00 - 12:00	9	15652	0.221	9	15652	0.236	9	15652	0.457
12:00 - 13:00	9	15652	0.327	9	15652	0.429	9	15652	0.756
13:00 - 14:00	9	15652	0.400	9	15652	0.354	9	15652	0.754
14:00 - 15:00	9	15652	0.248	9	15652	0.288	9	15652	0.536
15:00 - 16:00	9	15652	0.195	9	15652	0.405	9	15652	0.600
16:00 - 17:00	9	15652	0.175	9	15652	0.861	9	15652	1.036
17:00 - 18:00	9	15652	0.156	9	15652	0.995	9	15652	1.151
18:00 - 19:00	8	16659	0.073	8	16659	0.358	8	16659	0.431
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			4.697			4.698			9.395

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.

20 Western Avenue, Milton Park Abingdon RPS Group

Page 6

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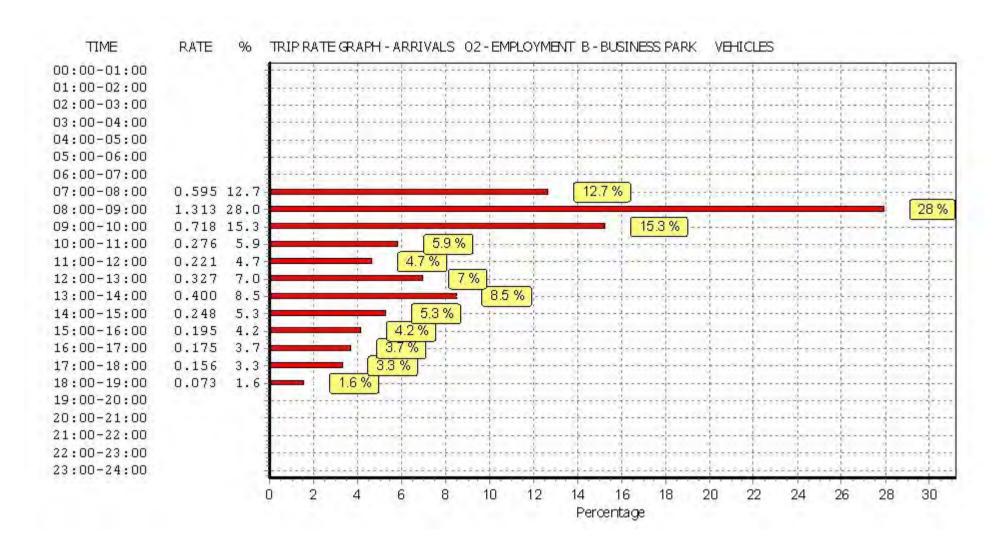
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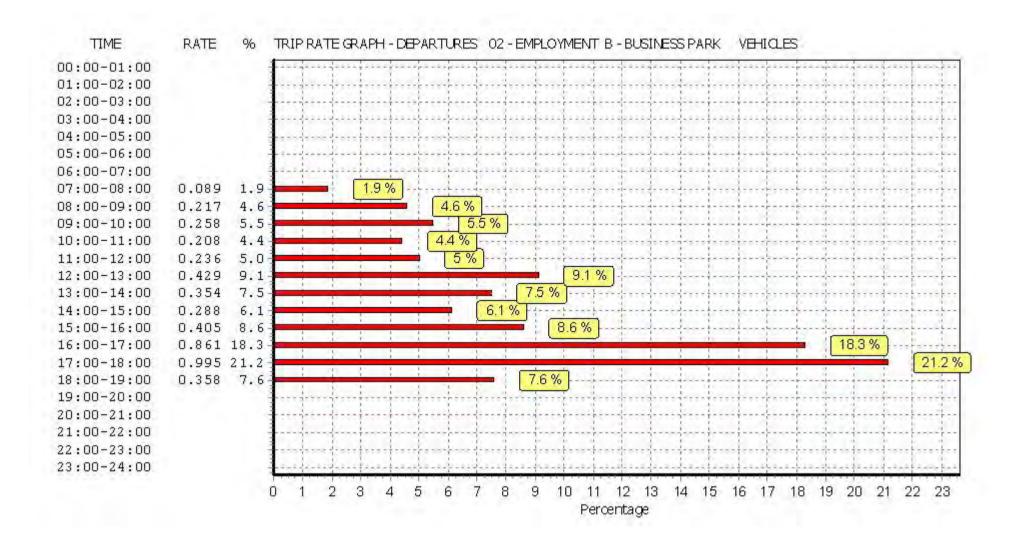
#### Parameter summary

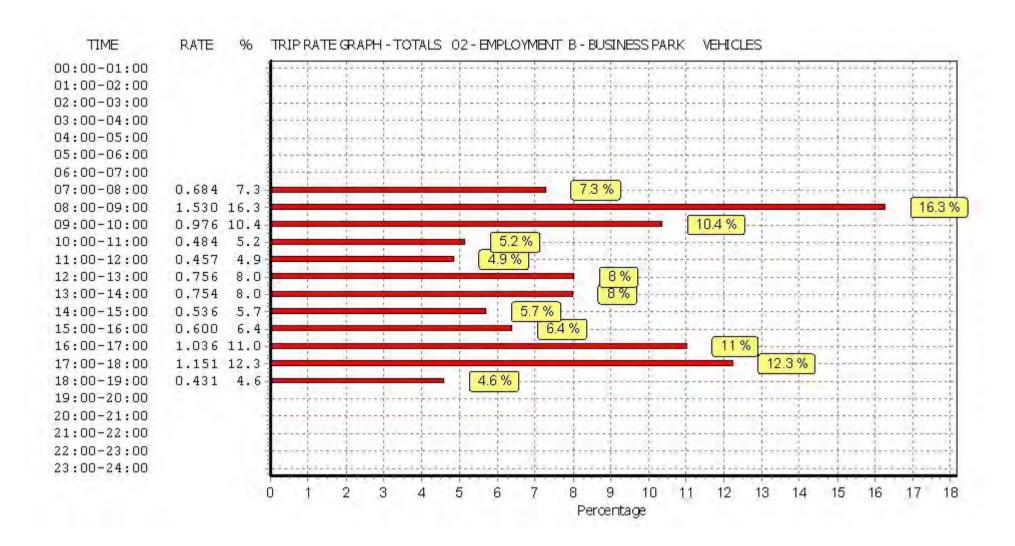
Trip rate parameter range selected: 5000 - 34616 (units: sgm) 01/01/08 - 13/03/18 Survey date date range:

Number of weekdays (Monday-Friday): 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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.







RPS Group 20 Western Avenue, Milton Park Abingdon

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK TAXIS

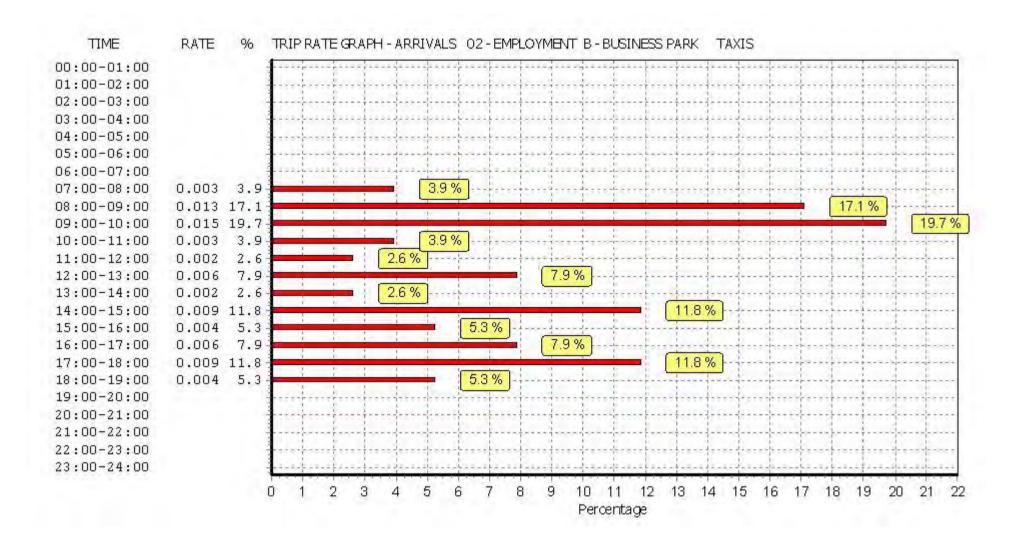
Calculation factor: 100 sqm

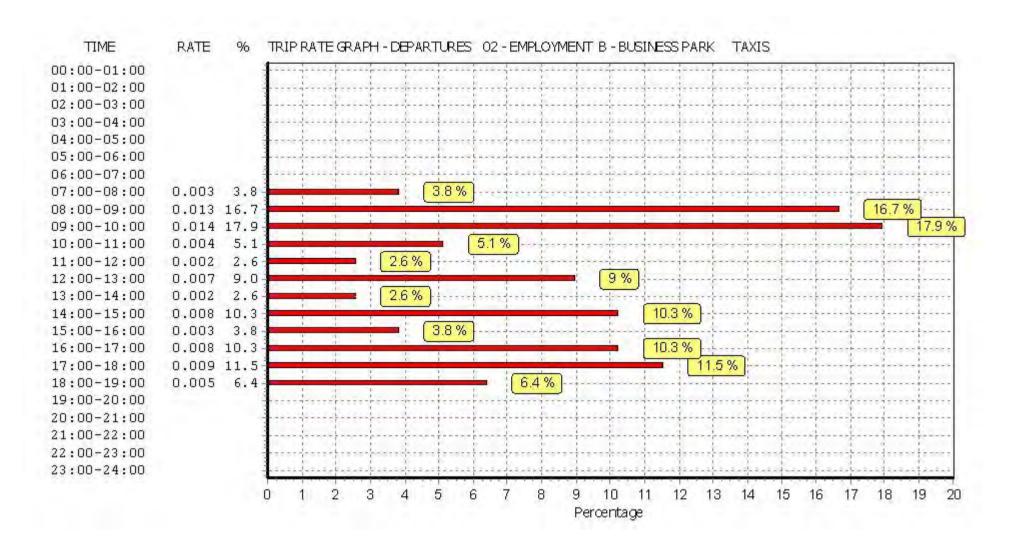
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES		TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	8	16984	0.003	8	16984	0.003	8	16984	0.006
08:00 - 09:00	9	15652	0.013	9	15652	0.013	9	15652	0.026
09:00 - 10:00	9	15652	0.015	9	15652	0.014	9	15652	0.029
10:00 - 11:00	9	15652	0.003	9	15652	0.004	9	15652	0.007
11:00 - 12:00	9	15652	0.002	9	15652	0.002	9	15652	0.004
12:00 - 13:00	9	15652	0.006	9	15652	0.007	9	15652	0.013
13:00 - 14:00	9	15652	0.002	9	15652	0.002	9	15652	0.004
14:00 - 15:00	9	15652	0.009	9	15652	0.008	9	15652	0.017
15:00 - 16:00	9	15652	0.004	9	15652	0.003	9	15652	0.007
16:00 - 17:00	9	15652	0.006	9	15652	0.008	9	15652	0.014
17:00 - 18:00	9	15652	0.009	9	15652	0.009	9	15652	0.018
18:00 - 19:00	8	16659	0.004	8	16659	0.005	8	16659	0.009
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.076			0.078			0.154

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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Friday 08/02/19

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK  $\ensuremath{\mathsf{OGVS}}$ 

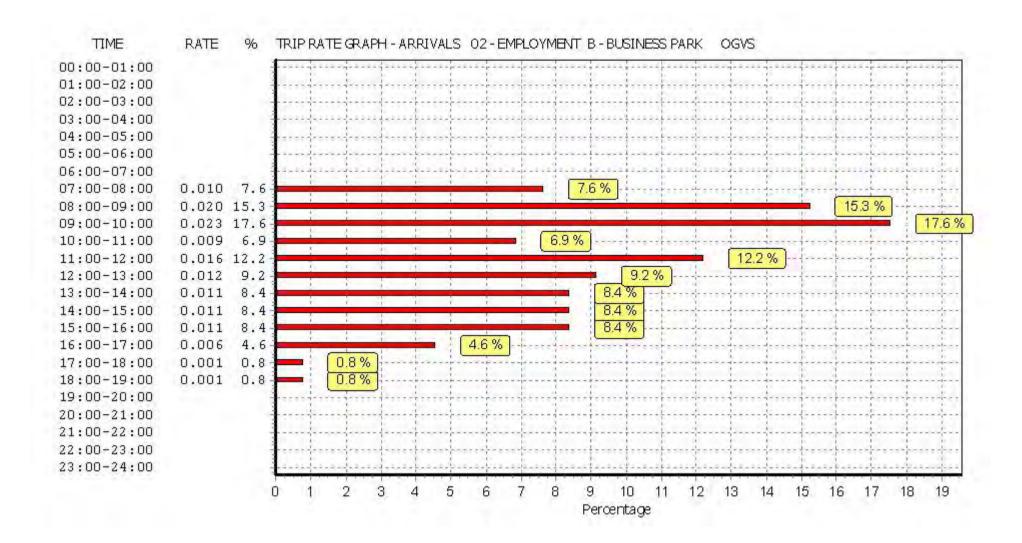
Calculation factor: 100 sqm

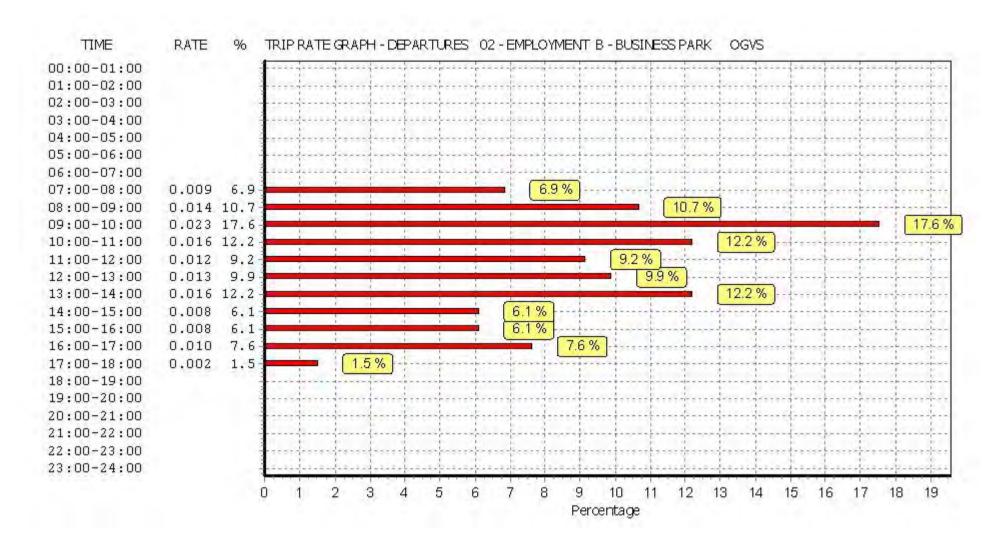
BOLD print indicates peak (busiest) period

	ARRIVALS			[	DEPARTURES	j	TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	9	15652	0.010	9	15652	0.009	9	15652	0.019
08:00 - 09:00	9	15652	0.020	9	15652	0.014	9	15652	0.034
09:00 - 10:00	9	15652	0.023	9	15652	0.023	9	15652	0.046
10:00 - 11:00	9	15652	0.009	9	15652	0.016	9	15652	0.025
11:00 - 12:00	9	15652	0.016	9	15652	0.012	9	15652	0.028
12:00 - 13:00	9	15652	0.012	9	15652	0.013	9	15652	0.025
13:00 - 14:00	9	15652	0.011	9	15652	0.016	9	15652	0.027
14:00 - 15:00	9	15652	0.011	9	15652	0.008	9	15652	0.019
15:00 - 16:00	9	15652	0.011	9	15652	0.008	9	15652	0.019
16:00 - 17:00	9	15652	0.006	9	15652	0.010	9	15652	0.016
17:00 - 18:00	9	15652	0.001	9	15652	0.002	9	15652	0.003
18:00 - 19:00	7	17456	0.001	7	17456	0.000	7	17456	0.001
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									·
23:00 - 24:00									
Total Rates:			0.131			0.131			0.262

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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Friday 08/02/19 Page 18 Licence No: 515501

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK  $\ensuremath{\mathsf{PSVS}}$ 

Calculation factor: 100 sqm

RPS Group

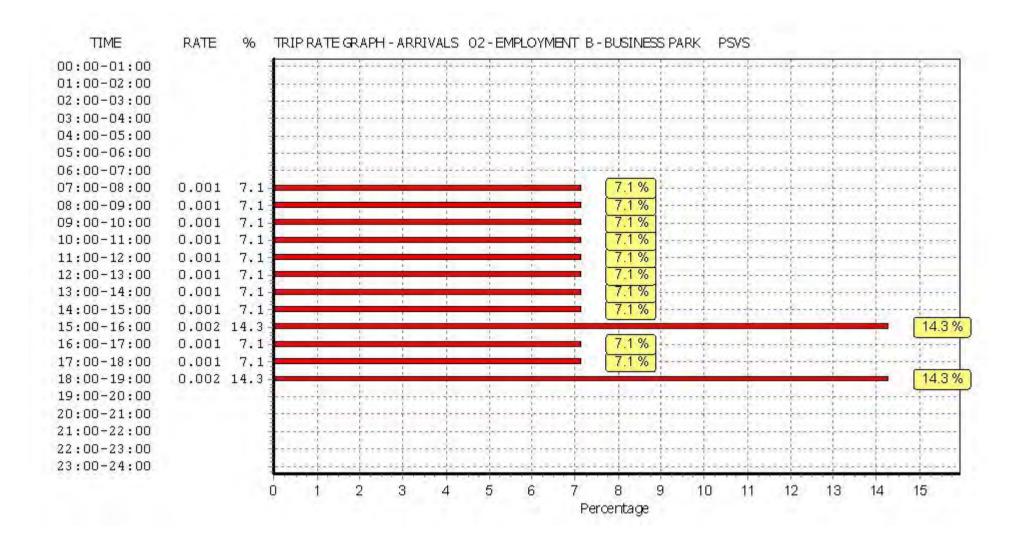
BOLD print indicates peak (busiest) period

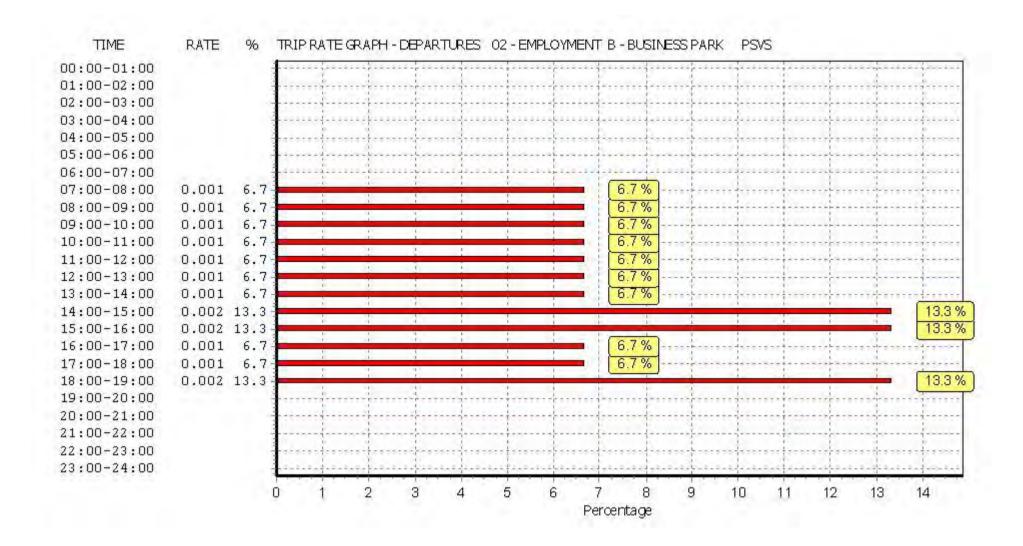
20 Western Avenue, Milton Park

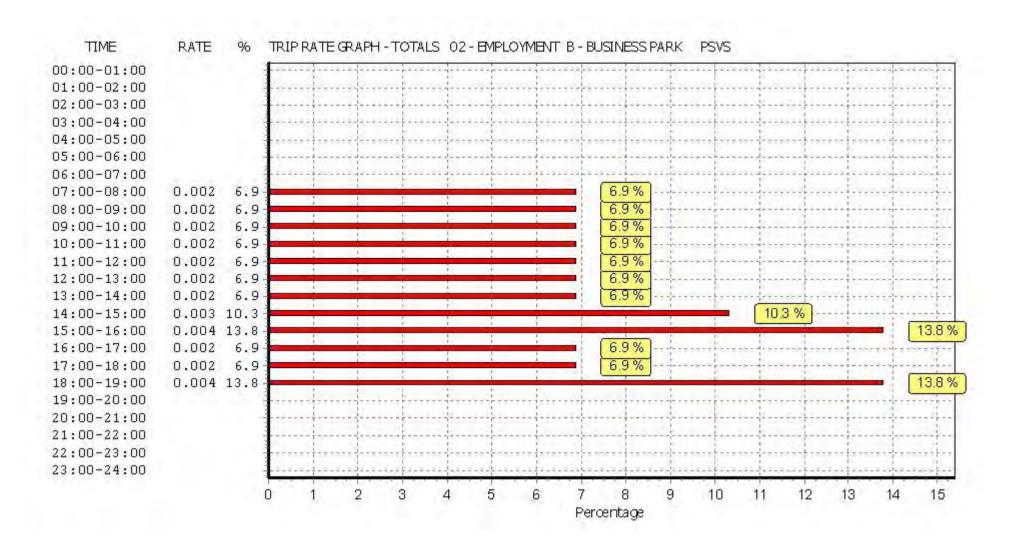
	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
08:00 - 09:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
09:00 - 10:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
10:00 - 11:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
11:00 - 12:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
12:00 - 13:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
13:00 - 14:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
14:00 - 15:00	9	15652	0.001	9	15652	0.002	9	15652	0.003
15:00 - 16:00	9	15652	0.002	9	15652	0.002	9	15652	0.004
16:00 - 17:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
17:00 - 18:00	9	15652	0.001	9	15652	0.001	9	15652	0.002
18:00 - 19:00	8	16659	0.002	8	16659	0.002	8	16659	0.004
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.014			0.015			0.029

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

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







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TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK **CYCLISTS** 

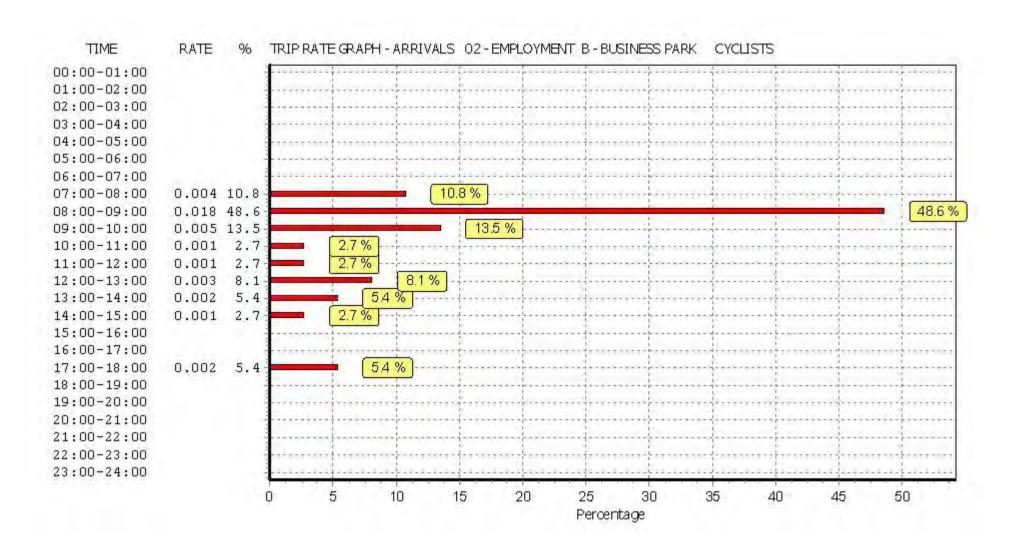
Calculation factor: 100 sqm

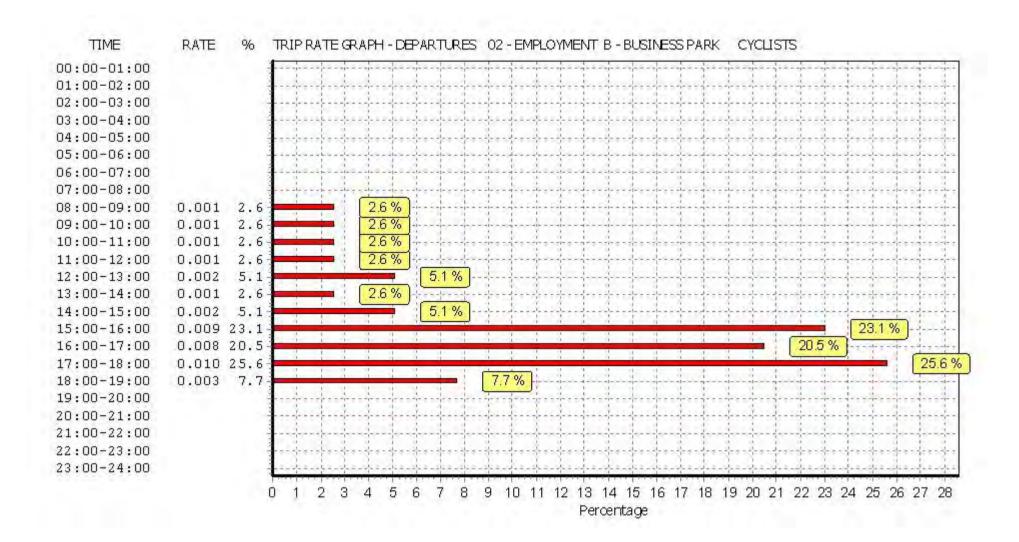
BOLD print indicates peak (busiest) period

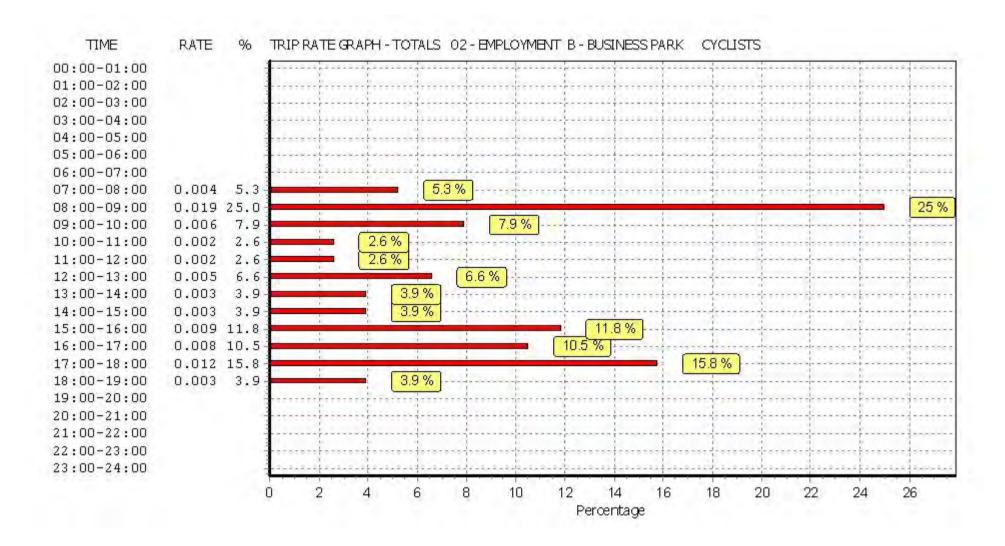
	ARRIVALS				DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate	
00:00 - 01:00				-			-			
01:00 - 02:00										
02:00 - 03:00										
03:00 - 04:00										
04:00 - 05:00										
05:00 - 06:00										
06:00 - 07:00										
07:00 - 08:00	9	15652	0.004	9	15652	0.000	9	15652	0.004	
08:00 - 09:00	9	15652	0.018	9	15652	0.001	9	15652	0.019	
09:00 - 10:00	9	15652	0.005	9	15652	0.001	9	15652	0.006	
10:00 - 11:00	9	15652	0.001	9	15652	0.001	9	15652	0.002	
11:00 - 12:00	9	15652	0.001	9	15652	0.001	9	15652	0.002	
12:00 - 13:00	9	15652	0.003	9	15652	0.002	9	15652	0.005	
13:00 - 14:00	9	15652	0.002	9	15652	0.001	9	15652	0.003	
14:00 - 15:00	9	15652	0.001	9	15652	0.002	9	15652	0.003	
15:00 - 16:00	9	15652	0.000	9	15652	0.009	9	15652	0.009	
16:00 - 17:00	9	15652	0.000	9	15652	0.008	9	15652	0.008	
17:00 - 18:00	9	15652	0.002	9	15652	0.010	9	15652	0.012	
18:00 - 19:00	8	16659	0.000	8	16659	0.003	8	16659	0.003	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00									`	
23:00 - 24:00										
Total Rates:			0.037			0.039			0.076	

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

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







Calculation Reference: AUDIT-515501-190213-0243

Licence No: 515501

### TRIP RATE CALCULATION SELECTION PARAMETERS:

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

**VEHICLES** 

03

Selected regions and areas:

02 SOUTH EAST

KC KENT 1 days SOUTH WEST

DC DORSET 1 days

11 SCOTLAND

AG ANGUS 1 days

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

### Secondary Filtering selection:

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

Parameter: Gross floor area

Actual Range: 7715 to 66725 (units: sqm) Range Selected by User: 552 to 234115 (units: sqm)

Parking Spaces Range: Selected: 18 to 1800 Actual: 18 to 1800

### Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/08 to 28/11/17

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

#### Selected survey days:

Monday 1 days Tuesday 1 days Wednesday 1 days

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

## Selected survey types:

Manual count 3 days
Directional ATC Count 0 days

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

## Selected Locations:

Edge of Town 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:

Residential Zone 1
Out of Town 1
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.

## Secondary Filtering selection:

## Use Class:

Not Known 1 days B2 2 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®.

20 Western Avenue, Milton Park Abingdon RPS Group

Secondary Filtering selection (Cont.):

Population within 1 mile: 5,001 to 10,000 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:

2 days 25,001 to 50,000 1 days 50,001 to 75,000

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

Car ownership within 5 miles:

1.1 to 1.5 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 3 days

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

PTAL Rating:

No PTAL Present 3 days

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

# LIST OF SITES relevant to selection parameters

1 AG-02-D-02 INDUSTRIAL ESTATE ANGUS

A933 WESTWAY ARBROATH HOSPITALFIELD Edge of Town No Sub Category

Total Gross floor area: 78500 sqm

Survey date: TUESDAY 25/04/17 Survey Type: MANUAL

2 DC-02-D-20 INDUSTRIAL ESTATE DORSET

OLD BARN FARM ROAD NEAR BOURNEMOUTH THREE LEGGED CROSS Free Standing (PPS6 Out of Town) Out of Town

Total Gross floor area: 70000 sqm

Survey date: MONDAY 24/03/14 Survey Type: MANUAL

3 KC-02-D-02 INDUSTRIAL ESTATE KENT

SOUTHWELL ROAD

DEAL

Edge of Town Residential Zone

Total Gross floor area: 10715 sqm

Survey date: WEDNESDAY 28/11/12 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
CA-02-D-02	Below 5000sqm
CB-02-D-04	High Public Transport
CM-02-D-03	Below 5000sqm
CW-02-D-03	High Public Transport
DV-02-D-06	Below 5000sqm
DV-02-D-07	Below 5000sqm
EA-02-D-02	Below 5000sqm
ES-02-D-06	High Public Transport
EX-02-D-02	High Public Transport
FA-02-D-03	Below 5000sqm
FI-02-D-01	High Public Transport
HI-02-D-03	High Public Transport
LC-02-D-05	High Public Transport
LC-02-D-07	Below 5000sqm
LN-02-D-02	Below 5000sqm
MS-02-D-06	Below 5000sqm
NB-02-D-02	High Public Transport
NF-02-D-03	High Public Transport
NR-02-D-01	High Public Transport
TW-02-D-07	High Public Transport
VG-02-D-01	High Public Transport
WM-02-D-02	High Public Transport
WO-02-D-01	Below 5000sqm
WO-02-D-02	High Public Transport
WY-02-D-04	High Public Transport
WY-02-D-05	Below 5000sqm
WY-02-D-06	Below 5000sqm
WY-02-D-07	Below 5000sqm

Page 4

RPS Group 20 Western Avenue, Milton Park Abingdon

Licence No: 515501

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			[	DEPARTURES		TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	46980	0.253	3	46980	0.099	3	46980	0.352
08:00 - 09:00	3	46980	0.276	3	46980	0.118	3	46980	0.394
09:00 - 10:00	3	46980	0.131	3	46980	0.106	3	46980	0.237
10:00 - 11:00	3	46980	0.118	3	46980	0.112	3	46980	0.230
11:00 - 12:00	3	46980	0.124	3	46980	0.125	3	46980	0.249
12:00 - 13:00	3	46980	0.116	3	46980	0.127	3	46980	0.243
13:00 - 14:00	3	46980	0.160	3	46980	0.126	3	46980	0.286
14:00 - 15:00	3	46980	0.107	3	46980	0.144	3	46980	0.251
15:00 - 16:00	3	46980	0.111	3	46980	0.167	3	46980	0.278
16:00 - 17:00	3	46980	0.188	3	46980	0.245	3	46980	0.433
17:00 - 18:00	3	46980	0.053	3	46980	0.325	3	46980	0.378
18:00 - 19:00	3	46980	0.058	3	46980	0.107	3	46980	0.165
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.695			1.801			3.496

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.

Licence No: 515501

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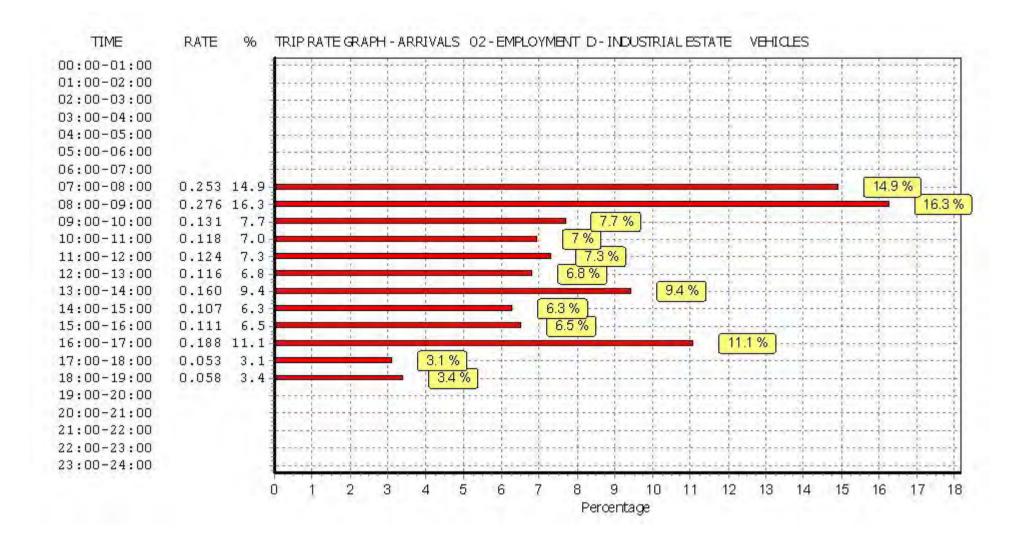
The Company accepts no responsibility for loss which may arise from reliance on data contained in the TRICS Database. [No warranty of any kind, express or implied, is made as to the data contained in the TRICS Database.]

### Parameter summary

Trip rate parameter range selected: 7715 - 66725 (units: sqm) Survey date date range: 01/01/08 - 28/11/17

Number of weekdays (Monday-Friday): 3
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 2
Surveys manually removed from selection: 28

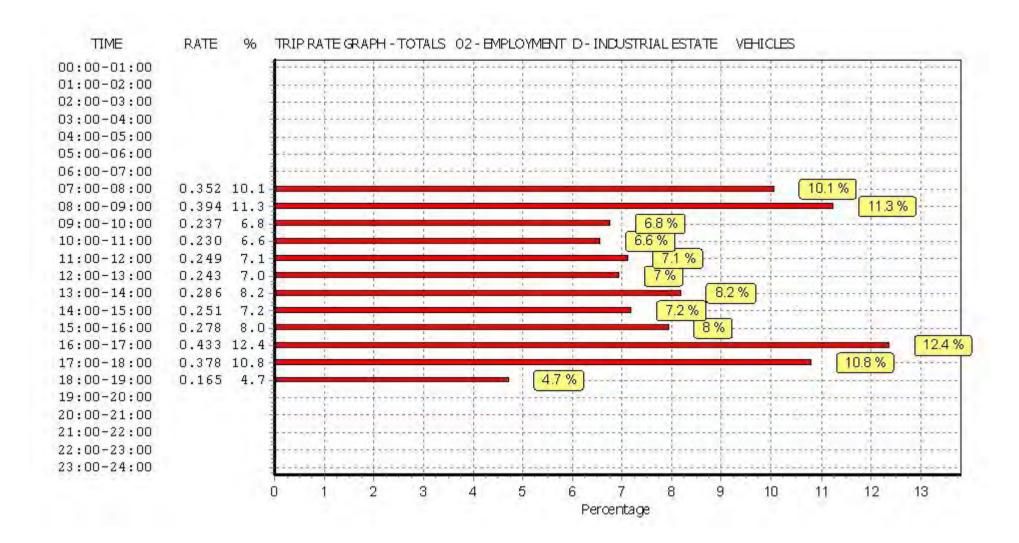
This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected 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.





RPS Group

20 Western Avenue, Milton Park Abingdon Licence No: 515501



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

Calculation factor: 100 sqm

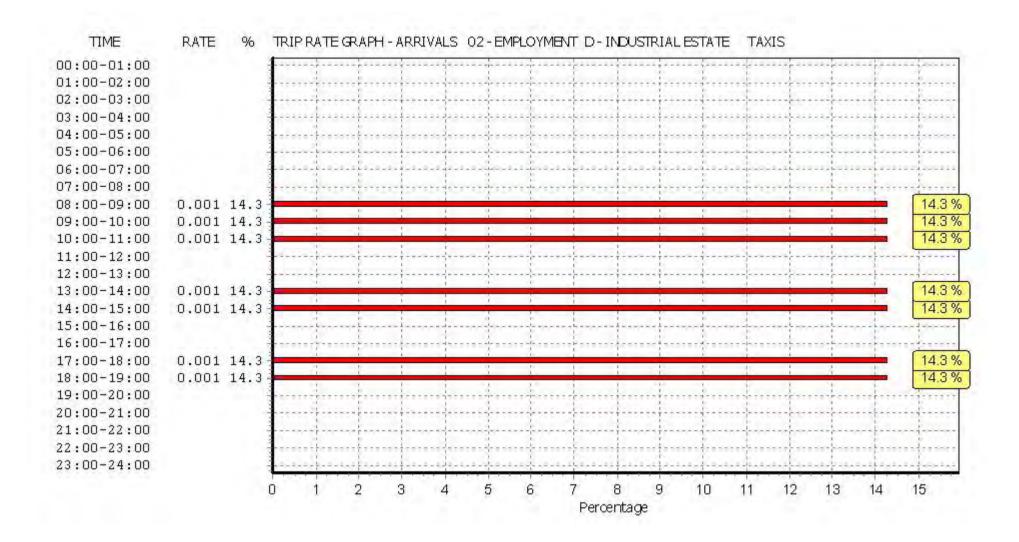
BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate	
00:00 - 01:00				-						
01:00 - 02:00										
02:00 - 03:00										
03:00 - 04:00										
04:00 - 05:00										
05:00 - 06:00										
06:00 - 07:00										
07:00 - 08:00	3	46980	0.000	3	46980	0.000	3	46980	0.000	
08:00 - 09:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
09:00 - 10:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
10:00 - 11:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
11:00 - 12:00	3	46980	0.000	3	46980	0.000	3	46980	0.000	
12:00 - 13:00	3	46980	0.000	3	46980	0.000	3	46980	0.000	
13:00 - 14:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
14:00 - 15:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
15:00 - 16:00	3	46980	0.000	3	46980	0.000	3	46980	0.000	
16:00 - 17:00	3	46980	0.000	3	46980	0.000	3	46980	0.000	
17:00 - 18:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
18:00 - 19:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00							·		·	
23:00 - 24:00										
Total Rates:			0.007			0.007			0.014	

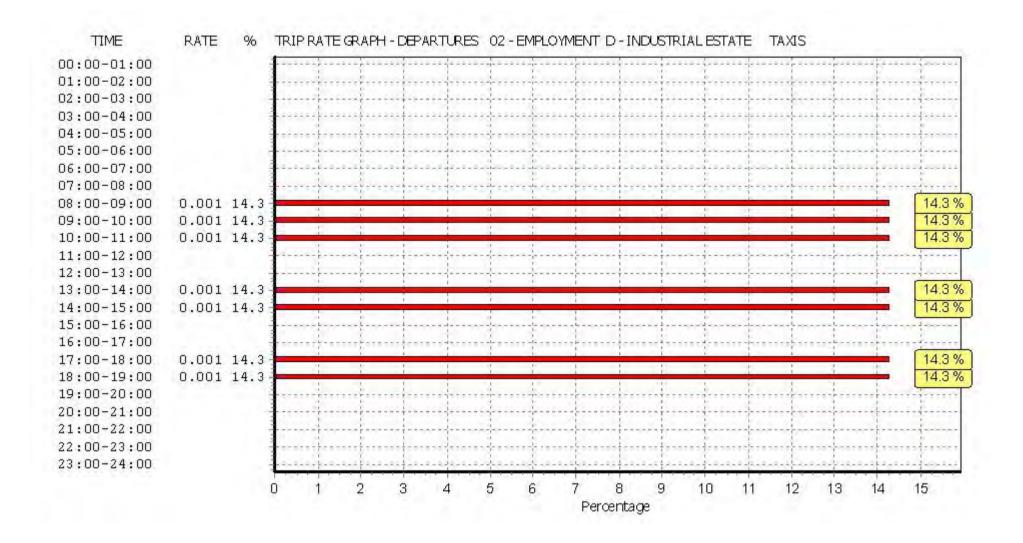
This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are 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.

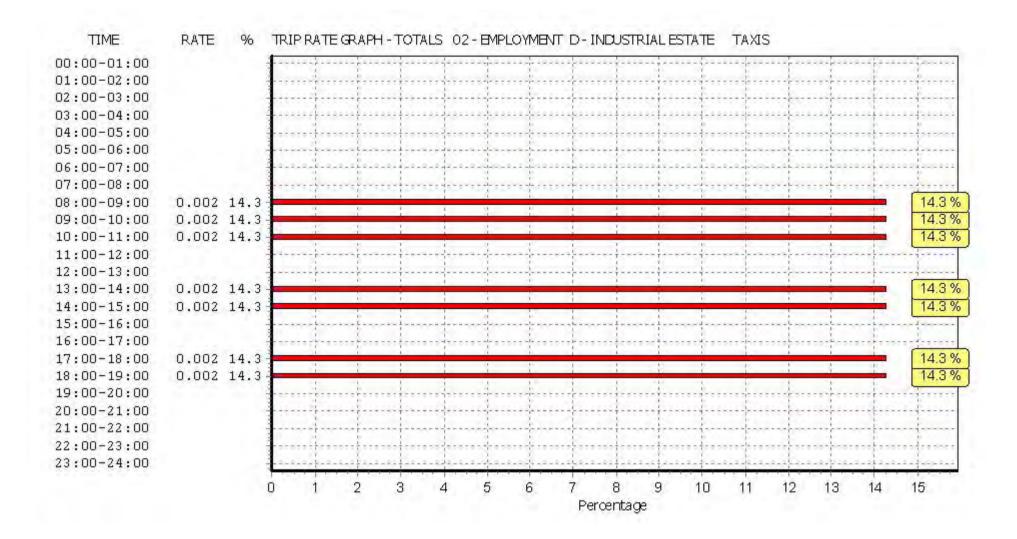
To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected 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.

Licence No: 515501



Licence No: 515501





RPS Group 20 Western Avenue, Milton Park Abingdon

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

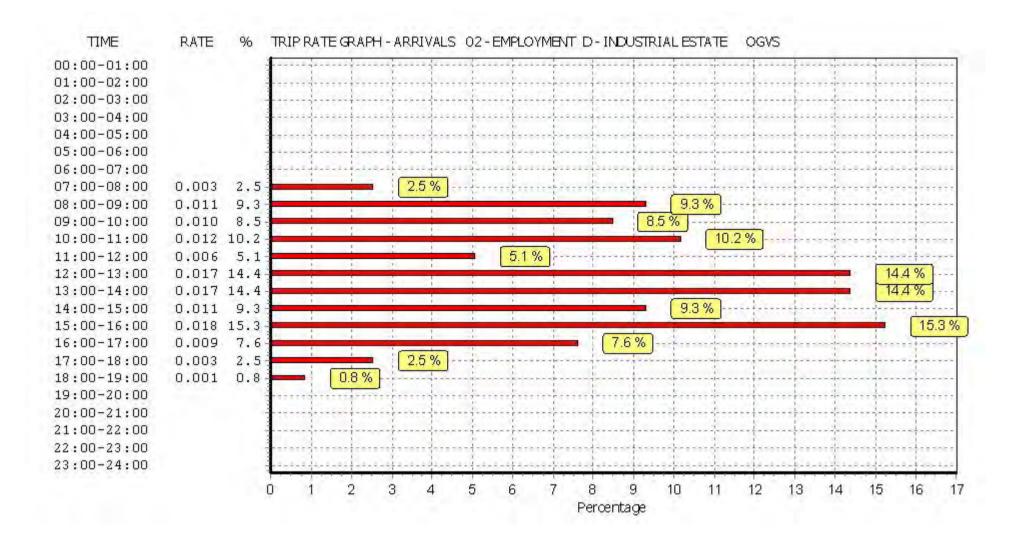
Calculation factor: 100 sqm

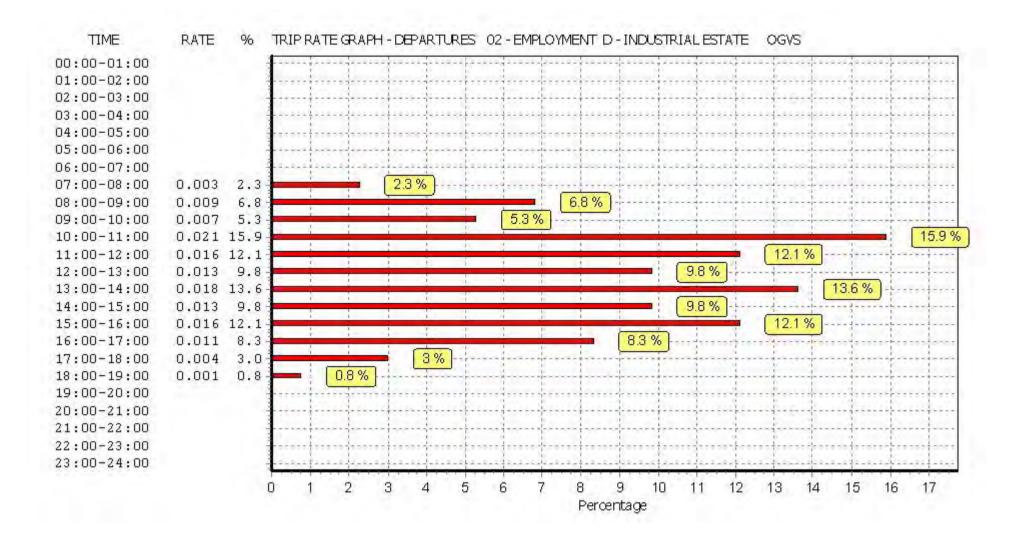
BOLD print indicates peak (busiest) period

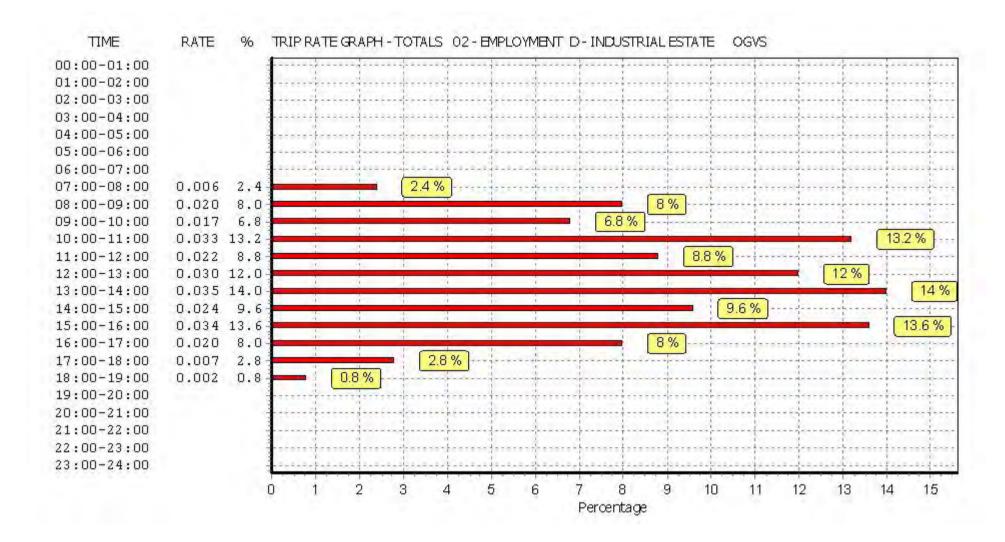
	ARRIVALS			[	DEPARTURES	j	TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	46980	0.003	3	46980	0.003	3	46980	0.006
08:00 - 09:00	3	46980	0.011	3	46980	0.009	3	46980	0.020
09:00 - 10:00	3	46980	0.010	3	46980	0.007	3	46980	0.017
10:00 - 11:00	3	46980	0.012	3	46980	0.021	3	46980	0.033
11:00 - 12:00	3	46980	0.006	3	46980	0.016	3	46980	0.022
12:00 - 13:00	3	46980	0.017	3	46980	0.013	3	46980	0.030
13:00 - 14:00	3	46980	0.017	3	46980	0.018	3	46980	0.035
14:00 - 15:00	3	46980	0.011	3	46980	0.013	3	46980	0.024
15:00 - 16:00	3	46980	0.018	3	46980	0.016	3	46980	0.034
16:00 - 17:00	3	46980	0.009	3	46980	0.011	3	46980	0.020
17:00 - 18:00	3	46980	0.003	3	46980	0.004	3	46980	0.007
18:00 - 19:00	3	46980	0.001	3	46980	0.001	3	46980	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.118			0.132			0.250

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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Licence No: 515501

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE  $\ensuremath{\mathsf{PSVS}}$ 

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	GFA	Rate	Days	GFA	Rate	Days	GFA	Rate	
00:00 - 01:00				-						
01:00 - 02:00										
02:00 - 03:00										
03:00 - 04:00										
04:00 - 05:00										
05:00 - 06:00										
06:00 - 07:00										
07:00 - 08:00	3	46980	0.001	3	46980	0.013	3	46980	0.014	
08:00 - 09:00	3	46980	0.001	3	46980	0.004	3	46980	0.005	
09:00 - 10:00	3	46980	0.005	3	46980	0.001	3	46980	0.006	
10:00 - 11:00	3	46980	0.001	3	46980	0.001	3	46980	0.002	
11:00 - 12:00	3	46980	0.004	3	46980	0.002	3	46980	0.006	
12:00 - 13:00	3	46980	0.005	3	46980	0.002	3	46980	0.007	
13:00 - 14:00	3	46980	0.003	3	46980	0.001	3	46980	0.004	
14:00 - 15:00	3	46980	0.001	3	46980	0.004	3	46980	0.005	
15:00 - 16:00	3	46980	0.003	3	46980	0.003	3	46980	0.006	
16:00 - 17:00	3	46980	0.004	3	46980	0.001	3	46980	0.005	
17:00 - 18:00	3	46980	0.003	3	46980	0.001	3	46980	0.004	
18:00 - 19:00	3	46980	0.009	3	46980	0.001	3	46980	0.010	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00							·		·	
23:00 - 24:00										
Total Rates:			0.040			0.034			0.074	

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.

