

TECHNICAL NOTES



Job Name: BAE Waterloooville
Job No.: 26365
Note No.: 003 Rev A
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Subject: TRICS Review
Prepared By: Elizabeth Keen / Paul Coote
Reviewed By: Nick Church

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Item	Subject															
1.	Introduction This Technical Note has been prepared by Peter Brett Associates LLP (PBA) to report on the work undertaken to identify suitable B1b and B1c trip rates for the existing land uses at the BAE site at Waterloooville. The Technical Note reports on how suitable donor site trip rates have been identified following a detailed review of the TRICS database. This Technical Note forms an appendix to the full Transport Assessment Report (June 2012) (TAR) prepared by PBA.															
2.	Background The original BAE site planning consent was granted in 1982 for c28,300m² of light industrial, and research and development and ancillary development at the site. These uses fall into B1b and B1c user classes as summarised in Table 1. Table 1: Existing uses on site <table><tr><th>Building</th><th>Gross External Floor area (sqm)</th><th>Use</th></tr><tr><td>Main (C Block)</td><td>19,498</td><td>Research, B1b</td></tr><tr><td>E Block</td><td>6,726</td><td>Light Industrial, B1c</td></tr><tr><td>Beam Plot</td><td>927</td><td>Light Industrial, B1c</td></tr><tr><td>Restaurant</td><td>973</td><td>(ancillary only)</td></tr></table> <i>Beam Plot</i> The nature of Beam Plot activities is operationally sensitive and difficult to define in standard land-use class terms. It does not represent a typical B1c use and the TRICS database does not include a comparable donor site. Accordingly, the TRICS review reported in this Technical Note has focussed on the E Block comparison to determine a donor B1c trip rate, which will then also be applied to the Beam Plot land use. Further explanation is set out within the TAR. <i>Restaurant</i> The restaurant is an ancillary use to the primary site activities, catering for the site based employees and is not considered to have generated additional trips. According a donor site and trip rate is not required.	Building	Gross External Floor area (sqm)	Use	Main (C Block)	19,498	Research, B1b	E Block	6,726	Light Industrial, B1c	Beam Plot	927	Light Industrial, B1c	Restaurant	973	(ancillary only)
Building	Gross External Floor area (sqm)	Use														
Main (C Block)	19,498	Research, B1b														
E Block	6,726	Light Industrial, B1c														
Beam Plot	927	Light Industrial, B1c														
Restaurant	973	(ancillary only)														

3.

B1b / B1c TRICS Sites for Existing BAE Site

A search was undertaken of the TRICS Database 2012(a) v6.9.2 for sites recorded as 100% B1b, 100% B1c or a mixture of the two uses. Greater London was excluded from this search (and all subsequent searches detailed in this note) due to the significantly different travel patterns displayed in the region.

Five TRICS sites were found to be either 100% B1b or 100% B1c as shown in **Table 2** below:

Table 2: B1b and B1c sites in TRICS

TRICS Reference	Description	Gross Floor Area (sqm)	Land Use
CF-02-B-02	BUSINESS/TECH. UNITS, CARDIFF	2,587	100% B1b
CF-02-C-01	PLASTICS COMPANY, CARDIFF	1,068	100% B1c
CW-02-C-01	FOOD DISTRIBUTION, CAMBORNE	10,200	100% B1c
EB-02-C-01	BREWERY, EDINBURGH	1,200	100% B1c
WM-02-C-02	ARDONPRINT, BIRMINGHAM	300	100% B1c

Table 2 shows that there are a limited number of B1b and B1c sites in TRICS.

There is only one B1b site which has a Gross Floor Area of 2,587sqm. This was not considered to be a suitable donor site for the existing BAE site Main Building which has a significantly larger floor area (7.5 times greater). Additionally, the location of the B1b site is not comparable to that of the BAE Main Building which sits within a wider industrial estate/business park.

There are four B1c sites in TRICS, none of which are comparable in size to E-Block.

From this initial review, no suitable sites defined in TRICS as B1b and B1c land use have been identified; therefore a further review of potential donor sites from the broader TRICS land use classification has been undertaken as considered further below.

4.

Further review of B1b sites (representative of the Existing BAE Main Building)

The definition of B1b land use from 'The Town and Country Planning (Use Classes) Order 1987' is;

'for research and development of products or processes',

'being a use which can be carried out in any residential area without detriment to the amenity of that area by reason of noise, vibration, smell, fumes, smoke, soot, ash, dust or grit'.

The TRICS database of land uses is not always well aligned with The Town and Country Planning (Use Classes) Order 1987; accordingly a search of the TRICS database B1 Research/Science Park land use classification has been undertaken to identify further sites that may be comparable to the existing BAE Main Building. Our search concentrated on sites situated close to residential areas.

Three further sites were identified as shown in **Table 3** below. Detailed inspection of the occupiers of these sites suggests that these include research & development uses:

Table 3: Additional B1b donor sites (from TRICS B1 Research/Science Park database)

TRICS Reference	Description
CA-02-B-01	SCIENCE PARK, CAMBRIDGE
NF-02-B-01	UNI. RESEARCH EST,NR NORWICH
BG-02-B-01	SCIENCE PARK, BRIDGEND

Detailed assessment of Science Park, Bridgend (BG-02-B-01) was not possible as the floor area data is not recorded in TRICS. The remaining two sites were assessed for size, proximity to a residential area, location and accessibility in terms of proximity to motorway the network and rail services. Assessment using public transport and walking and cycling accessibility was not possible due to a lack of information for these sites in the TRICS database.

Table 4 sets out the criteria used to assess the possible B1b sites relative to the BAE Main Building:

Table 4: B1b Assessment Criteria

Criteria	Good comparison	Average comparison	Poor comparison
Size (sqm)	15,000 ≤ sqm ≤ 25,000	10,000 ≤ sqm < 15,000 & 25,000 < sqm ≤ 30,000	< 10,000 & > 30,000
Distance from Motorway (km)	0 ≤ km ≤ 4	4 < km ≤ 6	> 6
Distance from rail station (km)	3 ≤ km ≤ 6	< 3 or 6 < km ≤ 7	> 7
Proximity to Residential Area (meters)	m ≤ 400	400 < m ≤ 800	> 800

Table 5 provides an indication of the extent to which the two selected sites are considered to be representative of the existing BAE Main Building.

Table 5: Assessment of additional B1b donor sites

Site name	Gross Floor Area (sqm)	Proximity to Residential Area	Location (Industrial Estate/Business Park Park)	Distance from Motorway	Distance from rail station
SCIENCE PARK, CAMBRIDGE	118448*				
UNI. RESEARCH EST, NR NORWICH	43622				

* this is the total GFA for the business park which comprises of 55 separate units of various sizes.

Given the nature of the BAE site, the main comparison characteristics are considered to be size, distance from residential area and access to motorway networks. Both sites are good comparisons in terms distance from train services but the 'UNI. RESEARCH EST, NR NORWICH' is an average-poor comparison in every other respect. Conversely, 'SCIENCE PARK, CAMBRIDGE' is, in general, a good comparison with the Main Building of the existing BAE site.

From a detailed review of the TRICS database, the 'Science Park, Cambridge' site is considered to be the most comparable donor site for the B1b land use at the BAE site.

Table 6 shows the peak hour trip rates for Science Park Cambridge which will be adopted as the B1b rates for the existing BAE Main site.

Table 6: Science Park Cambridge Trip Rates, TRICS

AM Peak			PM Peak		
Arrivals	Departures	Two-way	Arrivals	Departures	Two-way
1.191	0.078	1.269	0.086	0.914	1.0

TRICS Outputs for Science Park Cambridge are found in **Appendix A**.

5. **Further review of B1c sites (representative of the Existing BAE E-Block)**

The definition of B1c land use from 'The Town and Country Planning (Use Classes) Order 1987' is;

'for any industrial process',

'being a use which can be carried out in any residential area without detriment to the amenity of that area by reason of noise, vibration, smell, fumes, smoke, soot, ash, dust or grit'.

The TRICS database of land uses is not always well aligned with The Town and Country Planning (Use Classes) Order 1987; accordingly a search of the TRICS database B2 Industrial classification has been undertaken to identify further sites that may be comparable to the existing BAE E-Block. Our search concentrated on sites situated close to residential areas.

Twelve further sites were identified on the basis of proximity to residential area and size. These are shown in **Table 7**:

Table 7: Additional B1c donor sites (from TRICS B2 Industrial database)

TRICS Reference	Description
DV-02-D-05	INDUSTRIAL ESTATE, TIVERTON
GM-02-D-01	INDUSTRIAL ESTATE, OLDHAM
SC-02-C-02	FURNITURE MANUF., WEYBRIDGE
TW-02-D-04	INDUSTRIAL ESTATE, S. SHIELDS
LC-02-D-04	INDUSTRIAL ESTATE, GARSTANG
MS-02-D-01	INDUSTRIAL EST., BIRKENHEAD
BR-02-D-03	INDUSTRIAL ESTATE, BRISTOL
KH-02-D-01	INDUSTRIAL ESTATE, HULL
TW-02-D-05	INDUSTRIAL EST., SEDGELECH
HC-02-D-02	INDUSTRIAL EST., NEAR FAREHAM
FS-02-D-02	INDUSTRIAL EST., MANOR FLINT
MS-02-D-03	INDUSTRIAL EST., LAMBERHEAD

The 12 sites were assessed under the criteria; size, proximity to a residential area, location and accessibility in terms of proximity to motorway the network and rail services. As with the B1b assessment, data on public transport and walking and cycling accessibility was not provided uniformly across the sites precluding assessment on these terms.

Table 8 sets out the assessment criteria used for B1c use class.

Table 8: B1c Assessment Criteria

Criteria	Good comparison	Average comparison	Poor comparison
Size (sqm)	$6000 \leq \text{sqm} \leq 8000$	$4,000 \leq \text{sqm} < 6,000$ & $8,000 < \text{sqm} \leq 10,000$	< 4000 & $> 10,000$
Distance from Motorway (km)	$0 \leq \text{km} \leq 4$	$4 < \text{km} \leq 6$	> 6
Distance from rail station (km)	$3 \leq \text{km} \leq 6$	< 3 or $6 < \text{km} \leq 7$	> 7
Proximity to Residential Area (meters)	$m \leq 400$	$400 < m \leq 800$	> 800

Table 9 provides an indication of the extent to which the 12 selected sites are considered to be representative of the existing BAE E-Block.

Table 9: Assessment of additional B1c donor sites

Site name	Gross Floor Area (sqm)	Proximity to Residential Area	Location (Industrial Estate/Business Park)	Distance from Motorway	Distance from rail station
INDUSTRIAL ESTATE, TIVERTON	7500				
INDUSTRIAL ESTATE, OLDHAM	8285				
FURNITURE MANUF., WEYBRIDGE	8864				
INDUSTRIAL ESTATE, S. SHIELDS	4102				
INDUSTRIAL ESTATE, GARSTANG	4555				
INDUSTRIAL EST., BIRKENHEAD	4965				
INDUSTRIAL ESTATE, BRISTOL	6000				
INDUSTRIAL ESTATE, HULL	6167				
INDUSTRIAL EST., SEDGELETCHE	6842				
INDUSTRIAL EST., NEAR FAREHAM	9691				
INDUSTRIAL EST., MANOR FLINT	9755				
INDUSTRIAL EST., LAMBERHEAD	9835				

All of the 12 sites are good comparisons with BAE E-Block in terms of the proximity to residential areas. Four sites, Industrial Estates in Tiverton, Bristol, Hull and Sedgelych also over good comparisons in terms of size. However many sites compare poorly with regards to accessibility. Overall, the Industrial Estate in Bristol has the best comparability with the BAE site. This site scores 'good' for four of the five comparison criteria and 'average' in the fifth.

It is therefore concluded that the Industrial Estate, Bristol, (BR-02-D-03) site is a suitable comparison site for B1c use at the BAE site. The trip rates of this site have been used as donor rates for the B1c use at the BAE site.

From a detailed review of the TRICS database, the Industrial Estate, Bristol, (BR-02-D-03) site is considered to be the most comparable donor site for the B1c land use at the BAE site.

Table 10 shows the peak hour trip rates for the Industrial Estate, Bristol, (BR-02-D-03) which will be adopted as the B1c rates for the existing BAE E-Block (and Beam Plot).

Table 10: Industrial Estate Bristol, TRICS

AM Peak			PM Peak		
Arrivals	Departures	Two-way	Arrivals	Departures	Two-way
1.3	0.35	1.65	0.2	0.983	1.183

TRICS Outputs for Industrial Estate, Bristol site are found in **Appendix B**.

Appendix A

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : B - BUSINESS PARK
MULTI-MODAL VEHICLES

Selected regions and areas:

Filtering Stage 2 selection:

Parameter: Gross floor area
Actual Range: 118448 to 118448 (units: sqm)
Range Selected by User: 118448 to 118448 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 27/11/00 to 27/11/00

Selected survey days:

Monday 1 days

Selected survey types:

Manual count 1 days
Directional ATC Count 0 days

Selected Locations:

Edge of Town 1

Selected Location Sub Categories:

Industrial Zone 1

Peter Brett Associates Queen Square Bristol

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

MULTI-MODAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.122	1	118448	0.024	1	118448	0.146
07:30 - 08:00	1	118448	0.374	1	118448	0.035	1	118448	0.409
08:00 - 08:30	1	118448	0.582	1	118448	0.036	1	118448	0.618
08:30 - 09:00	1	118448	0.609	1	118448	0.042	1	118448	0.651
09:00 - 09:30	1	118448	0.528	1	118448	0.041	1	118448	0.569
09:30 - 10:00	1	118448	0.342	1	118448	0.054	1	118448	0.396
10:00 - 10:30	1	118448	0.151	1	118448	0.063	1	118448	0.214
10:30 - 11:00	1	118448	0.120	1	118448	0.065	1	118448	0.185
11:00 - 11:30	1	118448	0.120	1	118448	0.076	1	118448	0.196
11:30 - 12:00	1	118448	0.077	1	118448	0.099	1	118448	0.176
12:00 - 12:30	1	118448	0.097	1	118448	0.238	1	118448	0.335
12:30 - 13:00	1	118448	0.185	1	118448	0.233	1	118448	0.418
13:00 - 13:30	1	118448	0.201	1	118448	0.164	1	118448	0.365
13:30 - 14:00	1	118448	0.234	1	118448	0.123	1	118448	0.357
14:00 - 14:30	1	118448	0.144	1	118448	0.144	1	118448	0.288
14:30 - 15:00	1	118448	0.105	1	118448	0.111	1	118448	0.216
15:00 - 15:30	1	118448	0.069	1	118448	0.117	1	118448	0.186
15:30 - 16:00	1	118448	0.068	1	118448	0.198	1	118448	0.266
16:00 - 16:30	1	118448	0.065	1	118448	0.277	1	118448	0.342
16:30 - 17:00	1	118448	0.037	1	118448	0.442	1	118448	0.479
17:00 - 17:30	1	118448	0.043	1	118448	0.429	1	118448	0.472
17:30 - 18:00	1	118448	0.043	1	118448	0.485	1	118448	0.528
18:00 - 18:30	1	118448	0.027	1	118448	0.325	1	118448	0.352
18:30 - 19:00	1	118448	0.026	1	118448	0.192	1	118448	0.218
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			4.369			4.013			8.382

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.000	1	118448	0.000	1	118448	0.000
07:30 - 08:00	1	118448	0.004	1	118448	0.004	1	118448	0.008
08:00 - 08:30	1	118448	0.005	1	118448	0.002	1	118448	0.007
08:30 - 09:00	1	118448	0.004	1	118448	0.003	1	118448	0.007
09:00 - 09:30	1	118448	0.004	1	118448	0.003	1	118448	0.007
09:30 - 10:00	1	118448	0.004	1	118448	0.003	1	118448	0.007
10:00 - 10:30	1	118448	0.003	1	118448	0.003	1	118448	0.006
10:30 - 11:00	1	118448	0.003	1	118448	0.003	1	118448	0.006
11:00 - 11:30	1	118448	0.008	1	118448	0.010	1	118448	0.018
11:30 - 12:00	1	118448	0.009	1	118448	0.011	1	118448	0.020
12:00 - 12:30	1	118448	0.003	1	118448	0.007	1	118448	0.010
12:30 - 13:00	1	118448	0.004	1	118448	0.005	1	118448	0.009
13:00 - 13:30	1	118448	0.003	1	118448	0.003	1	118448	0.006
13:30 - 14:00	1	118448	0.003	1	118448	0.003	1	118448	0.006
14:00 - 14:30	1	118448	0.009	1	118448	0.003	1	118448	0.012
14:30 - 15:00	1	118448	0.005	1	118448	0.007	1	118448	0.012
15:00 - 15:30	1	118448	0.003	1	118448	0.002	1	118448	0.005
15:30 - 16:00	1	118448	0.003	1	118448	0.005	1	118448	0.008
16:00 - 16:30	1	118448	0.003	1	118448	0.008	1	118448	0.011
16:30 - 17:00	1	118448	0.002	1	118448	0.002	1	118448	0.004
17:00 - 17:30	1	118448	0.000	1	118448	0.003	1	118448	0.003
17:30 - 18:00	1	118448	0.000	1	118448	0.000	1	118448	0.000
18:00 - 18:30	1	118448	0.000	1	118448	0.000	1	118448	0.000
18:30 - 19:00	1	118448	0.000	1	118448	0.001	1	118448	0.001
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.082			0.091			0.173

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.006	1	118448	0.002	1	118448	0.008
07:30 - 08:00	1	118448	0.003	1	118448	0.000	1	118448	0.003
08:00 - 08:30	1	118448	0.019	1	118448	0.002	1	118448	0.021
08:30 - 09:00	1	118448	0.020	1	118448	0.000	1	118448	0.020
09:00 - 09:30	1	118448	0.024	1	118448	0.002	1	118448	0.026
09:30 - 10:00	1	118448	0.014	1	118448	0.002	1	118448	0.016
10:00 - 10:30	1	118448	0.005	1	118448	0.001	1	118448	0.006
10:30 - 11:00	1	118448	0.003	1	118448	0.001	1	118448	0.004
11:00 - 11:30	1	118448	0.000	1	118448	0.000	1	118448	0.000
11:30 - 12:00	1	118448	0.001	1	118448	0.001	1	118448	0.002
12:00 - 12:30	1	118448	0.001	1	118448	0.002	1	118448	0.003
12:30 - 13:00	1	118448	0.005	1	118448	0.004	1	118448	0.009
13:00 - 13:30	1	118448	0.002	1	118448	0.003	1	118448	0.005
13:30 - 14:00	1	118448	0.001	1	118448	0.004	1	118448	0.005
14:00 - 14:30	1	118448	0.004	1	118448	0.004	1	118448	0.008
14:30 - 15:00	1	118448	0.000	1	118448	0.001	1	118448	0.001
15:00 - 15:30	1	118448	0.000	1	118448	0.003	1	118448	0.003
15:30 - 16:00	1	118448	0.001	1	118448	0.003	1	118448	0.004
16:00 - 16:30	1	118448	0.001	1	118448	0.004	1	118448	0.005
16:30 - 17:00	1	118448	0.001	1	118448	0.016	1	118448	0.017
17:00 - 17:30	1	118448	0.002	1	118448	0.018	1	118448	0.020
17:30 - 18:00	1	118448	0.003	1	118448	0.026	1	118448	0.029
18:00 - 18:30	1	118448	0.001	1	118448	0.024	1	118448	0.025
18:30 - 19:00	1	118448	0.004	1	118448	0.013	1	118448	0.017
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.121			0.136			0.257

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.143	1	118448	0.027	1	118448	0.170
07:30 - 08:00	1	118448	0.422	1	118448	0.041	1	118448	0.463
08:00 - 08:30	1	118448	0.659	1	118448	0.036	1	118448	0.695
08:30 - 09:00	1	118448	0.662	1	118448	0.046	1	118448	0.708
09:00 - 09:30	1	118448	0.579	1	118448	0.045	1	118448	0.624
09:30 - 10:00	1	118448	0.380	1	118448	0.060	1	118448	0.440
10:00 - 10:30	1	118448	0.170	1	118448	0.068	1	118448	0.238
10:30 - 11:00	1	118448	0.140	1	118448	0.075	1	118448	0.215
11:00 - 11:30	1	118448	0.138	1	118448	0.083	1	118448	0.221
11:30 - 12:00	1	118448	0.092	1	118448	0.118	1	118448	0.210
12:00 - 12:30	1	118448	0.111	1	118448	0.313	1	118448	0.424
12:30 - 13:00	1	118448	0.227	1	118448	0.256	1	118448	0.483
13:00 - 13:30	1	118448	0.269	1	118448	0.211	1	118448	0.480
13:30 - 14:00	1	118448	0.280	1	118448	0.142	1	118448	0.422
14:00 - 14:30	1	118448	0.188	1	118448	0.160	1	118448	0.348
14:30 - 15:00	1	118448	0.122	1	118448	0.121	1	118448	0.243
15:00 - 15:30	1	118448	0.076	1	118448	0.139	1	118448	0.215
15:30 - 16:00	1	118448	0.074	1	118448	0.230	1	118448	0.304
16:00 - 16:30	1	118448	0.072	1	118448	0.316	1	118448	0.388
16:30 - 17:00	1	118448	0.040	1	118448	0.493	1	118448	0.533
17:00 - 17:30	1	118448	0.046	1	118448	0.467	1	118448	0.513
17:30 - 18:00	1	118448	0.046	1	118448	0.525	1	118448	0.571
18:00 - 18:30	1	118448	0.030	1	118448	0.346	1	118448	0.376
18:30 - 19:00	1	118448	0.030	1	118448	0.216	1	118448	0.246
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			4.996			4.534			9.530

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL PEDESTRIANS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.001	1	118448	0.000	1	118448	0.001
07:30 - 08:00	1	118448	0.003	1	118448	0.003	1	118448	0.006
08:00 - 08:30	1	118448	0.010	1	118448	0.008	1	118448	0.018
08:30 - 09:00	1	118448	0.021	1	118448	0.003	1	118448	0.024
09:00 - 09:30	1	118448	0.013	1	118448	0.004	1	118448	0.017
09:30 - 10:00	1	118448	0.008	1	118448	0.003	1	118448	0.011
10:00 - 10:30	1	118448	0.004	1	118448	0.002	1	118448	0.006
10:30 - 11:00	1	118448	0.000	1	118448	0.003	1	118448	0.003
11:00 - 11:30	1	118448	0.002	1	118448	0.000	1	118448	0.002
11:30 - 12:00	1	118448	0.001	1	118448	0.000	1	118448	0.001
12:00 - 12:30	1	118448	0.000	1	118448	0.006	1	118448	0.006
12:30 - 13:00	1	118448	0.003	1	118448	0.005	1	118448	0.008
13:00 - 13:30	1	118448	0.023	1	118448	0.020	1	118448	0.043
13:30 - 14:00	1	118448	0.011	1	118448	0.006	1	118448	0.017
14:00 - 14:30	1	118448	0.004	1	118448	0.002	1	118448	0.006
14:30 - 15:00	1	118448	0.001	1	118448	0.004	1	118448	0.005
15:00 - 15:30	1	118448	0.000	1	118448	0.001	1	118448	0.001
15:30 - 16:00	1	118448	0.002	1	118448	0.003	1	118448	0.005
16:00 - 16:30	1	118448	0.002	1	118448	0.004	1	118448	0.006
16:30 - 17:00	1	118448	0.003	1	118448	0.003	1	118448	0.006
17:00 - 17:30	1	118448	0.003	1	118448	0.015	1	118448	0.018
17:30 - 18:00	1	118448	0.005	1	118448	0.014	1	118448	0.019
18:00 - 18:30	1	118448	0.000	1	118448	0.007	1	118448	0.007
18:30 - 19:00	1	118448	0.002	1	118448	0.008	1	118448	0.010
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.122			0.124			0.246

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS			
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000	
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000	
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000	
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000	
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000	
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000	
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000	
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000	
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000	
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000	
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000	
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000	
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000	
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000	
07:00 - 07:30	1	118448	0.000	1	118448	0.000	1	118448	0.000	
07:30 - 08:00	1	118448	0.006	1	118448	0.000	1	118448	0.006	
08:00 - 08:30	1	118448	0.003	1	118448	0.000	1	118448	0.003	
08:30 - 09:00	1	118448	0.033	1	118448	0.000	1	118448	0.033	
09:00 - 09:30	1	118448	0.001	1	118448	0.000	1	118448	0.001	
09:30 - 10:00	1	118448	0.001	1	118448	0.001	1	118448	0.002	
10:00 - 10:30	1	118448	0.001	1	118448	0.001	1	118448	0.002	
10:30 - 11:00	1	118448	0.002	1	118448	0.000	1	118448	0.002	
11:00 - 11:30	1	118448	0.000	1	118448	0.000	1	118448	0.000	
11:30 - 12:00	1	118448	0.000	1	118448	0.000	1	118448	0.000	
12:00 - 12:30	1	118448	0.000	1	118448	0.001	1	118448	0.001	
12:30 - 13:00	1	118448	0.000	1	118448	0.000	1	118448	0.000	
13:00 - 13:30	1	118448	0.000	1	118448	0.000	1	118448	0.000	
13:30 - 14:00	1	118448	0.003	1	118448	0.001	1	118448	0.004	
14:00 - 14:30	1	118448	0.000	1	118448	0.000	1	118448	0.000	
14:30 - 15:00	1	118448	0.000	1	118448	0.003	1	118448	0.003	
15:00 - 15:30	1	118448	0.000	1	118448	0.001	1	118448	0.001	
15:30 - 16:00	1	118448	0.000	1	118448	0.003	1	118448	0.003	
16:00 - 16:30	1	118448	0.000	1	118448	0.004	1	118448	0.004	
16:30 - 17:00	1	118448	0.002	1	118448	0.008	1	118448	0.010	
17:00 - 17:30	1	118448	0.000	1	118448	0.012	1	118448	0.012	
17:30 - 18:00	1	118448	0.001	1	118448	0.019	1	118448	0.020	
18:00 - 18:30	1	118448	0.000	1	118448	0.008	1	118448	0.008	
18:30 - 19:00	1	118448	0.000	1	118448	0.002	1	118448	0.002	
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000	
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000	
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000	
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000	
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000	
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000	
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000	
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000	
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000	
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000	
Total Rates:			0.053				0.064			0.117

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	118448	0.149	1	118448	0.029	1	118448	0.178
07:30 - 08:00	1	118448	0.433	1	118448	0.045	1	118448	0.478
08:00 - 08:30	1	118448	0.690	1	118448	0.046	1	118448	0.736
08:30 - 09:00	1	118448	0.736	1	118448	0.049	1	118448	0.785
09:00 - 09:30	1	118448	0.616	1	118448	0.051	1	118448	0.667
09:30 - 10:00	1	118448	0.404	1	118448	0.066	1	118448	0.470
10:00 - 10:30	1	118448	0.180	1	118448	0.071	1	118448	0.251
10:30 - 11:00	1	118448	0.144	1	118448	0.079	1	118448	0.223
11:00 - 11:30	1	118448	0.140	1	118448	0.083	1	118448	0.223
11:30 - 12:00	1	118448	0.094	1	118448	0.119	1	118448	0.213
12:00 - 12:30	1	118448	0.112	1	118448	0.322	1	118448	0.434
12:30 - 13:00	1	118448	0.236	1	118448	0.265	1	118448	0.501
13:00 - 13:30	1	118448	0.294	1	118448	0.234	1	118448	0.528
13:30 - 14:00	1	118448	0.295	1	118448	0.153	1	118448	0.448
14:00 - 14:30	1	118448	0.197	1	118448	0.165	1	118448	0.362
14:30 - 15:00	1	118448	0.123	1	118448	0.128	1	118448	0.251
15:00 - 15:30	1	118448	0.076	1	118448	0.144	1	118448	0.220
15:30 - 16:00	1	118448	0.077	1	118448	0.239	1	118448	0.316
16:00 - 16:30	1	118448	0.074	1	118448	0.328	1	118448	0.402
16:30 - 17:00	1	118448	0.046	1	118448	0.519	1	118448	0.565
17:00 - 17:30	1	118448	0.050	1	118448	0.512	1	118448	0.562
17:30 - 18:00	1	118448	0.055	1	118448	0.584	1	118448	0.639
18:00 - 18:30	1	118448	0.030	1	118448	0.385	1	118448	0.415
18:30 - 19:00	1	118448	0.035	1	118448	0.239	1	118448	0.274
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			5.286			4.855			10.141

Parameter summary

Trip rate parameter range selected:	118448 - 118448 (units: sqm)
Survey date date range:	27/11/00 - 27/11/00
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Appendix B

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : D - INDUSTRIAL ESTATE
MULTI-MODAL VEHICLES

Selected regions and areas:

Filtering Stage 2 selection:

Parameter: Gross floor area
Actual Range: 6000 to 6000 (units: sqm)
Range Selected by User: 6000 to 6000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 20/10/09 to 20/10/09

Selected survey days:

Tuesday 1 days

Selected survey types:

Manual count 1 days
Directional ATC Count 0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre) 1

Selected Location Sub Categories:

Industrial Zone 1

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.183	1	6000	0.083	1	6000	0.266
07:30 - 08:00	1	6000	0.433	1	6000	0.067	1	6000	0.500
08:00 - 08:30	1	6000	0.633	1	6000	0.100	1	6000	0.733
08:30 - 09:00	1	6000	0.667	1	6000	0.250	1	6000	0.917
09:00 - 09:30	1	6000	0.483	1	6000	0.183	1	6000	0.666
09:30 - 10:00	1	6000	0.250	1	6000	0.250	1	6000	0.500
10:00 - 10:30	1	6000	0.400	1	6000	0.250	1	6000	0.650
10:30 - 11:00	1	6000	0.233	1	6000	0.183	1	6000	0.416
11:00 - 11:30	1	6000	0.250	1	6000	0.300	1	6000	0.550
11:30 - 12:00	1	6000	0.183	1	6000	0.233	1	6000	0.416
12:00 - 12:30	1	6000	0.250	1	6000	0.350	1	6000	0.600
12:30 - 13:00	1	6000	0.300	1	6000	0.233	1	6000	0.533
13:00 - 13:30	1	6000	0.283	1	6000	0.317	1	6000	0.600
13:30 - 14:00	1	6000	0.367	1	6000	0.250	1	6000	0.617
14:00 - 14:30	1	6000	0.183	1	6000	0.417	1	6000	0.600
14:30 - 15:00	1	6000	0.217	1	6000	0.200	1	6000	0.417
15:00 - 15:30	1	6000	0.117	1	6000	0.250	1	6000	0.367
15:30 - 16:00	1	6000	0.200	1	6000	0.117	1	6000	0.317
16:00 - 16:30	1	6000	0.183	1	6000	0.400	1	6000	0.583
16:30 - 17:00	1	6000	0.133	1	6000	0.417	1	6000	0.550
17:00 - 17:30	1	6000	0.067	1	6000	0.450	1	6000	0.517
17:30 - 18:00	1	6000	0.133	1	6000	0.533	1	6000	0.666
18:00 - 18:30	1	6000	0.017	1	6000	0.183	1	6000	0.200
18:30 - 19:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			6.165			6.033			12.198

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
07:30 - 08:00	1	6000	0.033	1	6000	0.033	1	6000	0.066
08:00 - 08:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
08:30 - 09:00	1	6000	0.050	1	6000	0.000	1	6000	0.050
09:00 - 09:30	1	6000	0.067	1	6000	0.050	1	6000	0.117
09:30 - 10:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
10:00 - 10:30	1	6000	0.033	1	6000	0.050	1	6000	0.083
10:30 - 11:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
11:00 - 11:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
11:30 - 12:00	1	6000	0.000	1	6000	0.033	1	6000	0.033
12:00 - 12:30	1	6000	0.017	1	6000	0.017	1	6000	0.034
12:30 - 13:00	1	6000	0.033	1	6000	0.017	1	6000	0.050
13:00 - 13:30	1	6000	0.000	1	6000	0.017	1	6000	0.017
13:30 - 14:00	1	6000	0.017	1	6000	0.017	1	6000	0.034
14:00 - 14:30	1	6000	0.017	1	6000	0.017	1	6000	0.034
14:30 - 15:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
15:00 - 15:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:30 - 16:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
16:00 - 16:30	1	6000	0.033	1	6000	0.017	1	6000	0.050
16:30 - 17:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
17:00 - 17:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
17:30 - 18:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
18:00 - 18:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
18:30 - 19:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.317			0.319			0.636

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
07:30 - 08:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
08:00 - 08:30	1	6000	0.033	1	6000	0.000	1	6000	0.033
08:30 - 09:00	1	6000	0.017	1	6000	0.000	1	6000	0.017
09:00 - 09:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
09:30 - 10:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
10:00 - 10:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
10:30 - 11:00	1	6000	0.017	1	6000	0.000	1	6000	0.017
11:00 - 11:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
11:30 - 12:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
12:00 - 12:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
12:30 - 13:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
13:00 - 13:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
13:30 - 14:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
14:00 - 14:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
14:30 - 15:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:00 - 15:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:30 - 16:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
16:00 - 16:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
16:30 - 17:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
17:00 - 17:30	1	6000	0.000	1	6000	0.017	1	6000	0.017
17:30 - 18:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
18:00 - 18:30	1	6000	0.000	1	6000	0.017	1	6000	0.017
18:30 - 19:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.084	0.051			0.135		

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

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

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.183	1	6000	0.083	1	6000	0.266
07:30 - 08:00	1	6000	0.433	1	6000	0.067	1	6000	0.500
08:00 - 08:30	1	6000	0.633	1	6000	0.100	1	6000	0.733
08:30 - 09:00	1	6000	0.667	1	6000	0.250	1	6000	0.917
09:00 - 09:30	1	6000	0.533	1	6000	0.183	1	6000	0.716
09:30 - 10:00	1	6000	0.250	1	6000	0.300	1	6000	0.550
10:00 - 10:30	1	6000	0.467	1	6000	0.267	1	6000	0.734
10:30 - 11:00	1	6000	0.283	1	6000	0.217	1	6000	0.500
11:00 - 11:30	1	6000	0.333	1	6000	0.300	1	6000	0.633
11:30 - 12:00	1	6000	0.200	1	6000	0.283	1	6000	0.483
12:00 - 12:30	1	6000	0.267	1	6000	0.367	1	6000	0.634
12:30 - 13:00	1	6000	0.333	1	6000	0.250	1	6000	0.583
13:00 - 13:30	1	6000	0.317	1	6000	0.350	1	6000	0.667
13:30 - 14:00	1	6000	0.400	1	6000	0.267	1	6000	0.667
14:00 - 14:30	1	6000	0.183	1	6000	0.433	1	6000	0.616
14:30 - 15:00	1	6000	0.217	1	6000	0.200	1	6000	0.417
15:00 - 15:30	1	6000	0.117	1	6000	0.250	1	6000	0.367
15:30 - 16:00	1	6000	0.200	1	6000	0.117	1	6000	0.317
16:00 - 16:30	1	6000	0.183	1	6000	0.467	1	6000	0.650
16:30 - 17:00	1	6000	0.167	1	6000	0.433	1	6000	0.600
17:00 - 17:30	1	6000	0.067	1	6000	0.467	1	6000	0.534
17:30 - 18:00	1	6000	0.133	1	6000	0.567	1	6000	0.700
18:00 - 18:30	1	6000	0.017	1	6000	0.217	1	6000	0.234
18:30 - 19:00	1	6000	0.000	1	6000	0.033	1	6000	0.033
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			6.583			6.468			13.051

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL PEDESTRIANS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.033	1	6000	0.000	1	6000	0.033
07:30 - 08:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
08:00 - 08:30	1	6000	0.067	1	6000	0.017	1	6000	0.084
08:30 - 09:00	1	6000	0.050	1	6000	0.017	1	6000	0.067
09:00 - 09:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
09:30 - 10:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
10:00 - 10:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
10:30 - 11:00	1	6000	0.067	1	6000	0.050	1	6000	0.117
11:00 - 11:30	1	6000	0.033	1	6000	0.000	1	6000	0.033
11:30 - 12:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
12:00 - 12:30	1	6000	0.000	1	6000	0.050	1	6000	0.050
12:30 - 13:00	1	6000	0.033	1	6000	0.000	1	6000	0.033
13:00 - 13:30	1	6000	0.017	1	6000	0.067	1	6000	0.084
13:30 - 14:00	1	6000	0.017	1	6000	0.000	1	6000	0.017
14:00 - 14:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
14:30 - 15:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:00 - 15:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:30 - 16:00	1	6000	0.017	1	6000	0.000	1	6000	0.017
16:00 - 16:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
16:30 - 17:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
17:00 - 17:30	1	6000	0.000	1	6000	0.033	1	6000	0.033
17:30 - 18:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
18:00 - 18:30	1	6000	0.000	1	6000	0.033	1	6000	0.033
18:30 - 19:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.368			0.318			0.686

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
07:30 - 08:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
08:00 - 08:30	1	6000	0.033	1	6000	0.000	1	6000	0.033
08:30 - 09:00	1	6000	0.033	1	6000	0.000	1	6000	0.033
09:00 - 09:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
09:30 - 10:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
10:00 - 10:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
10:30 - 11:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
11:00 - 11:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
11:30 - 12:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
12:00 - 12:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
12:30 - 13:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
13:00 - 13:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
13:30 - 14:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
14:00 - 14:30	1	6000	0.017	1	6000	0.000	1	6000	0.017
14:30 - 15:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
15:00 - 15:30	1	6000	0.000	1	6000	0.017	1	6000	0.017
15:30 - 16:00	1	6000	0.000	1	6000	0.017	1	6000	0.017
16:00 - 16:30	1	6000	0.000	1	6000	0.000	1	6000	0.000
16:30 - 17:00	1	6000	0.017	1	6000	0.000	1	6000	0.017
17:00 - 17:30	1	6000	0.000	1	6000	0.017	1	6000	0.017
17:30 - 18:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
18:00 - 18:30	1	6000	0.000	1	6000	0.033	1	6000	0.033
18:30 - 19:00	1	6000	0.000	1	6000	0.000	1	6000	0.000
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.151			0.101			0.252

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

Peter Brett Associates Queen Square Bristol

Licence No: 706710

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

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	1	6000	0.217	1	6000	0.083	1	6000	0.300
07:30 - 08:00	1	6000	0.433	1	6000	0.067	1	6000	0.500
08:00 - 08:30	1	6000	0.767	1	6000	0.117	1	6000	0.884
08:30 - 09:00	1	6000	0.767	1	6000	0.267	1	6000	1.034
09:00 - 09:30	1	6000	0.583	1	6000	0.183	1	6000	0.766
09:30 - 10:00	1	6000	0.250	1	6000	0.317	1	6000	0.567
10:00 - 10:30	1	6000	0.467	1	6000	0.267	1	6000	0.734
10:30 - 11:00	1	6000	0.367	1	6000	0.267	1	6000	0.634
11:00 - 11:30	1	6000	0.383	1	6000	0.300	1	6000	0.683
11:30 - 12:00	1	6000	0.200	1	6000	0.283	1	6000	0.483
12:00 - 12:30	1	6000	0.267	1	6000	0.417	1	6000	0.684
12:30 - 13:00	1	6000	0.367	1	6000	0.250	1	6000	0.617
13:00 - 13:30	1	6000	0.350	1	6000	0.417	1	6000	0.767
13:30 - 14:00	1	6000	0.417	1	6000	0.283	1	6000	0.700
14:00 - 14:30	1	6000	0.217	1	6000	0.433	1	6000	0.650
14:30 - 15:00	1	6000	0.217	1	6000	0.200	1	6000	0.417
15:00 - 15:30	1	6000	0.117	1	6000	0.267	1	6000	0.384
15:30 - 16:00	1	6000	0.217	1	6000	0.133	1	6000	0.350
16:00 - 16:30	1	6000	0.183	1	6000	0.467	1	6000	0.650
16:30 - 17:00	1	6000	0.183	1	6000	0.467	1	6000	0.650
17:00 - 17:30	1	6000	0.067	1	6000	0.533	1	6000	0.600
17:30 - 18:00	1	6000	0.133	1	6000	0.583	1	6000	0.716
18:00 - 18:30	1	6000	0.017	1	6000	0.300	1	6000	0.317
18:30 - 19:00	1	6000	0.000	1	6000	0.033	1	6000	0.033
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			7.186			6.934			14.120

Parameter summary

Trip rate parameter range selected:	6000 - 6000 (units: sqm)
Survey date date range:	20/10/09 - 20/10/09
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0