

Wrexham Glyndŵr University
Regent Street Campus

Transport Statement
Appendices

June 2018

Appendix A

Proposed Site Layout

GENERAL NOTES

1. This drawing is the copyright of tpm landscape Ltd and cannot be reproduced in any form without the consent of the company.
2. This drawing is to be read in conjunction with detail landscape drawings, details and specification.
3. This drawing is to be read in conjunction with all relevant Architects', Engineer's, Specialists, Bills of Quantities and Specifications.
4. The insertion of any firm or proprietary brand on this drawing is an indication of the class or quality required and does not exclude the use of alternative materials that are equal in performance, quality and appearance, provided that they have been approved in writing by the Landscape Architect.
5. The Contractor is responsible for accurately ascertaining the position of underground services and responding to all relevant service easement requirements.
6. All dimensions are in millimetres unless stated otherwise, for the purposes of construction this drawing must not be scaled and only written dimensions used. Written and scaled dimensions to be checked on site, any discrepancies reported prior to work commencing. IF IN DOUBT PLEASE ASK.
7. All work and materials are to be in accordance with the relevant British Standards and Code of Practice.
8. All Proprietary products are to be used strictly in accordance with the manufacturer's instructions and details.



LEGEND

- Proposed Flag Paving**
High quality stone paving
- Proposed Resin Bound Gravel**
Used to create large expanse of seamless paving
- Proposed Detail Edging**
Opportunity for inlay text / art
- Proposed Steps**
High quality stone steps
- Proposed Seat / Plinth**
High quality stone
Opportunity for inlay text / art
- Proposed Tactile Paving**
Corduroy tactile
- Proposed Seats**
Opportunity for inlay text / art
- Potential Art / Gallery Sitings**
Located on plinths, when art not insitu plinths can be used for informal seating
- Proposed Pedestrian Handrail / Balustrade**
Located on edge of ramps and either side of external stairs
- Proposed Secure Line**
tbc
- Existing Tree**
refer to tree survey
- Proposed Tree**
Typical species: Betula 'Edinburgh'
Light canopy and striking white bark
- Proposed Ornamental Planting**
Modern planting in swathes

REVISION NOTES

Rev	By	Description	Date
A	KH	updated inline with arc updates	04.06.18

Client
Wrexham Gyndwr University

Project
Regent Street, Wrexham

Description
Landscape Layout

Status
For Approval

Scale @ A1
1:200

Job number
3060

Drawn
KH

Drawing number
101

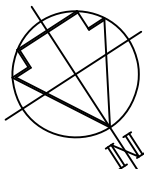
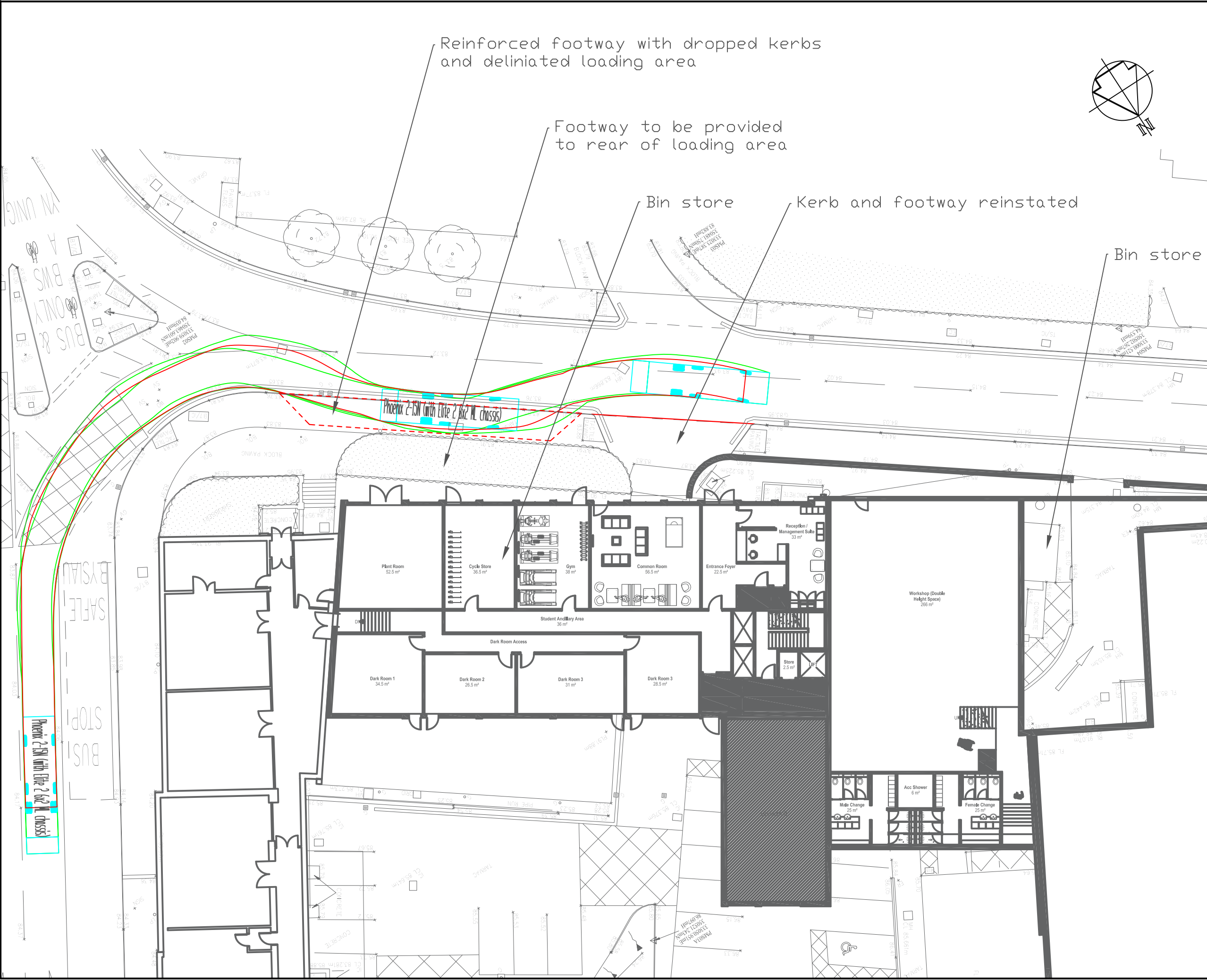
Checked
KH

Date
04.06.18

Revision
A

Appendix B

Proposed Access Layouts



Z:\Data\2600-2699\2627 Wrexham Glyndwr University\Drawings\Current			
Consultation	A	DP	14/06/18
REVISIONS	REV	Auth	DATE
Notes: Preliminary drawing - not for construction The acceptability of the proposed design is subject to further investigation, including utilities searches, land ownership enquiries and road safety audits. Phoenix 2-15N (with Elite 2 6x2 ML chassis) Overall Length 9.35m Overall Width 2.30m Overall Body Height 2.20m Min Body Ground Clearance 0.25m Track Width 2.20m Lock to lock time 4.00m Kerb to Kerb Turning Radius 8.50m			
Consultation	A	DP	14/06/18
Draft for information	-	DP	13/06/18
PURPOSE OF ISSUE	REV	Auth	DATE
Integrated Transport Planning Ltd Cornwall Buildings 45 Newhall Street Birmingham B3 3QR Tel: 0121 213 4725 Fax: 0121 213 4793 http://www.itpworld.net			
CLIENT			
Wrexham Glyndwr University			
PROJECT			
Regent Street Campus			
DRAWING TITLE			
Proposed Loading Area			
BASE SCALE			DATE
1: 250 @ A3			June 2018
DRAWING NUMBER			REV
DWG/2627/201			A

Appendix C

TRICS

Calculation Reference: AUDIT-743001-180425-0437

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : G - STUDENT ACCOMMODATION
 MULTI-MODAL VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	DV DEVON	2 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	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: Number of residents
 Actual Range: 110 to 241 (units:)
 Range Selected by User: 15 to 700 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 28/11/13

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:

Wednesday	1 days
Thursday	2 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 undertaken using machines.

Selected Locations:

Edge of Town Centre	2
Edge 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
Built-Up Zone	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:

C3	3 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®.

Secondary Filtering selection (Cont.):

Population within 1 mile:

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

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

Population within 5 miles:

25,001 to 50,000	1 days
100,001 to 125,000	1 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	1 days

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

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	DV-03-G-02	STUDENT FLATS	DEVON
	COWLEY BRIDGE ROAD		
	EXETER		
	Edge of Town		
	No Sub Category		
	Total Number of residents:	110	
	Survey date: WEDNESDAY	05/10/11	Survey Type: MANUAL
2	DV-03-G-04	STUDENT ACCOMMODATION	DEVON
	BONHAY ROAD		
	EXETER		
	Edge of Town Centre		
	Residential Zone		
	Total Number of residents:	241	
	Survey date: THURSDAY	28/11/13	Survey Type: MANUAL
3	WK-03-G-02	STUDENT FLATS	WARWICKSHIRE
	RAGLAN STREET		
	COVENTRY		
	Edge of Town Centre		
	Built-Up Zone		
	Total Number of residents:	197	
	Survey date: THURSDAY	17/10/13	Survey Type: MANUAL

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

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMMODATION
 MULTI-MODAL VEHICLES
 Calculation factor: 1 RESIDE
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	241	0.000	1	241	0.000	1	241	0.000
07:00 - 08:00	3	183	0.002	3	183	0.000	3	183	0.002
08:00 - 09:00	3	183	0.007	3	183	0.005	3	183	0.012
09:00 - 10:00	3	183	0.004	3	183	0.004	3	183	0.008
10:00 - 11:00	3	183	0.016	3	183	0.011	3	183	0.027
11:00 - 12:00	3	183	0.016	3	183	0.018	3	183	0.034
12:00 - 13:00	3	183	0.007	3	183	0.011	3	183	0.018
13:00 - 14:00	3	183	0.013	3	183	0.009	3	183	0.022
14:00 - 15:00	3	183	0.015	3	183	0.018	3	183	0.033
15:00 - 16:00	3	183	0.016	3	183	0.015	3	183	0.031
16:00 - 17:00	3	183	0.016	3	183	0.015	3	183	0.031
17:00 - 18:00	3	183	0.002	3	183	0.013	3	183	0.015
18:00 - 19:00	3	183	0.007	3	183	0.009	3	183	0.016
19:00 - 20:00	2	219	0.007	2	219	0.007	2	219	0.014
20:00 - 21:00	2	219	0.009	2	219	0.009	2	219	0.018
21:00 - 22:00	2	219	0.007	2	219	0.011	2	219	0.018
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		0.144			0.155			0.299	

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.

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

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:	110 - 241 (units:)
Survey date range:	01/01/10 - 28/11/13
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:	0

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

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMMODATION
 MULTI-MODAL TOTAL PEOPLE
 Calculation factor: 1 RESIDE
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	241	0.000	1	241	0.000	1	241	0.000
07:00 - 08:00	3	183	0.004	3	183	0.007	3	183	0.011
08:00 - 09:00	3	183	0.015	3	183	0.204	3	183	0.219
09:00 - 10:00	3	183	0.011	3	183	0.053	3	183	0.064
10:00 - 11:00	3	183	0.075	3	183	0.130	3	183	0.205
11:00 - 12:00	3	183	0.069	3	183	0.111	3	183	0.180
12:00 - 13:00	3	183	0.071	3	183	0.080	3	183	0.151
13:00 - 14:00	3	183	0.115	3	183	0.089	3	183	0.204
14:00 - 15:00	3	183	0.115	3	183	0.111	3	183	0.226
15:00 - 16:00	3	183	0.142	3	183	0.104	3	183	0.246
16:00 - 17:00	3	183	0.193	3	183	0.078	3	183	0.271
17:00 - 18:00	3	183	0.184	3	183	0.100	3	183	0.284
18:00 - 19:00	3	183	0.201	3	183	0.119	3	183	0.320
19:00 - 20:00	2	219	0.053	2	219	0.059	2	219	0.112
20:00 - 21:00	2	219	0.098	2	219	0.080	2	219	0.178
21:00 - 22:00	2	219	0.048	2	219	0.037	2	219	0.085
22:00 - 23:00									
23:00 - 24:00									
Total Rates:	1.394			1.362			2.756		

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.

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

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:	110 - 241 (units:)
Survey date range:	01/01/10 - 28/11/13
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:	0

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



Integrated Transport Planning Ltd
Cornwall Buildings, 45 Newhall Street
Birmingham
B3 3QR UK
+44 (0)121 213 4725

Integrated Transport Planning Ltd
Castlemead
Lower Castle Street
Bristol
BS1 3AG UK
+44 (0)117 917 5155

Integrated Transport Planning Ltd
6 Hay's Lane
London Bridge
London
SE1 2HB UK
+44 (0)203 300 1810

Integrated Transport Planning Ltd
50 North Thirteenth Street
Milton Keynes
MK9 3BP UK
+44 (0)1908 259 718

Integrated Transport Planning Ltd
32a Stoney Street
Nottingham
NG1 1LL UK
+44 (0)115 988 6905

www.itpworld.net

