

Appendix E

Visibility Splay Diagrams



Appendix F

Stage 1 RSA, Designers Response and email from M&S Traffic



Road Safety Audit Stage 1

Proposed Access

Woodchurch Road

Shadoxhurst

Kent

Date: 22nd March 2018

Report produced for: DHA Transport

Report produced by: M & S Traffic Ltd

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DOCUMENT CONTROL SHEET

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Project Title Woodchurch Road, Shadoxhurst

Report Title Road Safety Audit Stage 1

Revision

Status Final

Reference DHA/18/12782/1/MM

Record of Issue

Issue	Status	Author	Date	Check	Date	Authorised	Date
1	Final	MM	22/03/18	BS	22/03/18	MM	22/03/18

Distribution

Organisation	Contact	Copies
DHA Transport	Adam Huckstepp	-

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Appendix A..... List of drawings

Appendix B..... Comment location drawing

1 INTRODUCTION

1.1 This report describes a Stage 1 Road Safety Audit carried out proposed access to a residential development off Woodchurch Road in Shadoxhurst, Kent.

The Audit was requested by the design organisation, DHA Transport, Eclipse House, Eclipse Park, Sittingbourne Road, Maidstone, Kent.

1.2 The Audit Team membership was as follows:

Martin Morris PGDip, MCIHT, MSoRSA, HA RSA Cert Comp, Audit Team Leader

Bryan Shawyer BEng (Hons), MSc, MCIHT, MSoRSA, HA RSA Cert Comp, Team Member

1.3 The audit was undertaken following the principles of HD 19/15, The Design Manual for Roads and Bridges.

The documents available at the time the report was compiled are detailed in Appendix A.

- 1.4 The Audit took place at the Gillingham offices of M&S Traffic in March 2018 and comprised an examination of the documents provided as listed in Appendix A, plus a joint visit to the site of the proposed scheme on the 21st March 2018. Weather conditions at the time were fine and the road surface was dry. Traffic flows and free flow speeds were low. No pedestrian or cyclist movements were observed.
- 1.5 The report has been compiled, only with regards to the safety implications for road users of the layout presented in the supplied drawings. It has not been examined or verified for compliance with any other standards or criteria. This safety audit does not perform any "Technical Check" function on these proposals. It is assumed that the Project Sponsor is satisfied that such a "Technical Check" has been successfully completed prior to requesting this safety audit.
- 1.6 The auditors have not been informed of any Departures from Standards in this scheme construction.
- 1.7 All comments and recommendations are referenced to the detailed drawings and the locations have been detailed relating to the plans supplied with the audit brief, Appendix B.

2 SAFETY ISSUES RAISED AT PREVIOUS AUDITS

2.1 No previous safety audits were submitted for assessment.

3 ITEMS RAISED AT THE STAGE 1 AUDIT

3.1 General

3.1.1 **PROBLEM**

Location: Proposed access.

Summary: Ponding of surface water could lead to loss of control accidents.

Kerblines are being amended, where no details of carriageway drainage have been provided for assessment. Ponding on the carriageway or water moving across the carriageway at junctions could lead to loss of control accidents, further ponding at the crossing point may lead to pedestrians crossing at less safe places.

RECOMMENDATION

That drainage details should be provided at Safety Audit Stage 2.

3.1.2 **PROBLEM**

Location: Proposed access.

Summary: Inappropriate materials could compromise safety.

No construction details have been submitted for assessment, in particular the Polished Stone Value (PSV) of the cycle lanes. Insufficient PSV could lead to differential braking, loss of control or overshoot accidents.

RECOMMENDATION

That PSV details should be provided for assessment.

3.2 Local Alignment

3.2.1 No comment.

3.3 <u>Junctions</u>

3.3.1 **PROBLEM**

Location: Proposed access.

Summary: Inability to accommodate turn movement could compromise road safety.

Vehicle turning movements were provided for a large refuse vehicle. However, the tracking movements show that the vehicle enters the opposing carriageway when making the left turn out of the junction and enters the opposing lane when entering the junction. This could lead possibly footway over running and possible pedestrian accidents or head on collisions.

RECOMMENDATION

That the junction should be able to accommodate such movements without incursion into opposing traffic lanes.

3.4 Non-Motorised User Provision

3.4.1 No comment.

3.5 Road Signs, Carriageway Markings and Lighting

3.5.1 No comment.

4 ISSUES IDENTIFIED DURING THE STAGE 1 SAFETY AUDIT OUTSIDE THE TERMS OF REFERENCE

- 4.1 Any issues that the Audit Team wish to bring to the attention of the Client Organisation, which are not covered by the road safety implications of this audit have been included in the following section. These issues could include maintenance items, operational issues or poor existing provision. It should be understood however, that in raising these issues, the Audit Team do not warrant that a full review of the existing highway environment has been undertaken beyond the scope of the audit.
- 4.2 The Audit Team has no issues to raise within this section.

5 AUDITOR TEAM STATEMENT

5.1 We certify that this audit has been carried out following principles of HD 19/15.

Audit Team Leader

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PGD, MCIHT, MSoRSA, HA RSA Cert Comp
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Audit Team Member

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Bryan Shawyer BEng (Hons), MSc, MCIHT, MSoRSA, HA RSA Cert Comp M & S Traffic Ltd Aeolus House 32 Hamelin Road Gillingham

Olgi lod.

Date: 22/03/2018

Signed: 4. Man

Date: 22/03/2018

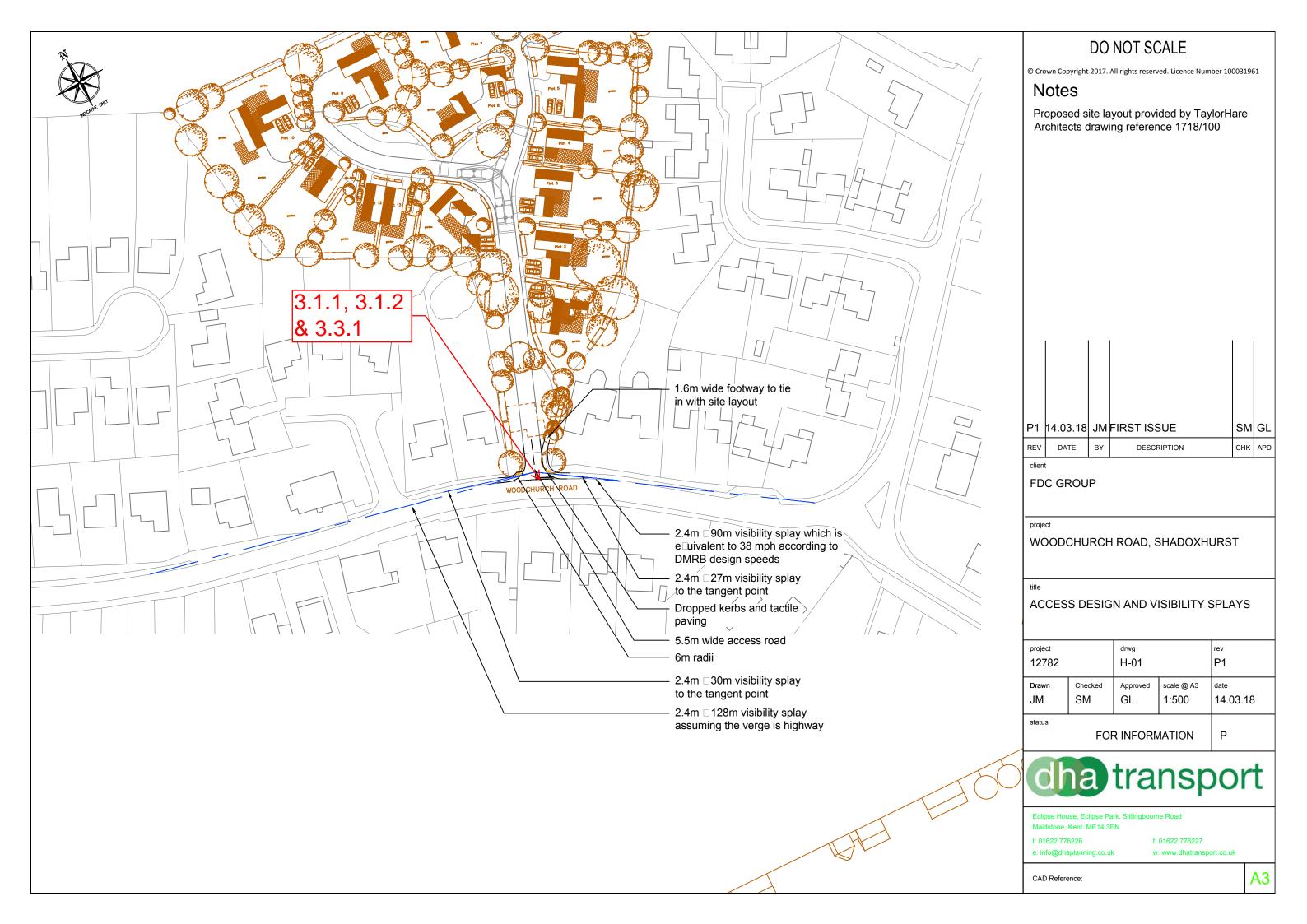
APPENDIX A

List of drawings and documentation submitted for auditing:

Drawing Number	Title
12782-H-01 (P1)	Access Design and Visibility Splays
12782-T-01 (P1)	Swept path Analysis Refuse Vehicle

APPENDIX B

Plan attached showing the locations of the problems identified as part of this audit (location numbers refer to paragraph numbers in the report).



Designers Response – Woodchurch Road, Shadoxhurst, Kent

Date – 22/03/18

Consultant/Design Engineer – DHA Transport

Contact – James Marsh 01622 776226

Road Safety Audit Stage 1

This response is to the problems raised in the Stage 1 RSA report, prepared by M S Traffic Limited dated 22nd March 2018. Ref DHA/12782/1/MM

Item Number	Issue raised	Recommendation	Designers Response
3.1 General		I	
3.1.1	Location: Proposed access	That drainage details should be provided at Safety Audit Stage 2.	Agreed
	Summary: Ponding of surface water could lead to loss of control accidents		Details to be provided as part of the Stage 2 detailed design process.
	Kerb lines are being amended, where no details of carriageway drainage have been provided for assessment. Ponding on the carriageway or water moving across the carriageway at junctions could lead to loss of control accidents, further ponding at the crossing point may lead to pedestrians crossing at less safe places.		
3.1.2	Location: Proposed access	That PSV details should be provided for assessment.	Agreed
	Summary : Inappropriate materials could compromise safety.		Details to be provided as part of the Stage 2 detailed design
	No construction details have been submitted for assessment, in particular the Polished Stone Value (PSV) of the cycle lanes. Insufficient PSV could lead to differential braking and loss of		process.
3.2 Local Align	control or overshoot accidents ment		

	Issue raised	Recommendation	Designers Response
3.3 Junctions	1		
3.3.1	Location: Proposed access Summary: Inability to accommodate turn movement could compromise road safety. Vehicle turning movements were provided for a large refuse vehicle. However the tracking movements show that the vehicle enters the opposing carriageway when making the left turn out of the junction and enters the opposing lane when entering the junction. This could lead to possible footway over running and possible pedestrian accidents or head on collisions.	That the junction should be able to accommodate such movements without incursion into opposing traffic lanes	Mandahurah Dand Mahiala
	rised User Provision , Carriageway Markings and Lighting		

Prepared by: ... James Marsh

Reviewed by: ... Graeme Lansell

Appendix G

TRICS Data

TRICS 7.4.4 290118 B18.18 Database right of TRICS Consortium Limited, 2018. All rights reserved Friday 02/02/18 Page 1

Filtering Summary

Land Use

03/A

Maidstone

RESIDENTIAL/HOUSES PRIVATELY OWNED

Licence No: 704001

Selected Trip Rate Calculation Parameter Range 5-50 DWELLS

Actual Trip Rate Calculation Parameter Range	9-805 DWELLS		
Date Range	Minimum: 01/01/09	Maximum: 27/11/17	
Days of the week selected	Monday Tuesday Wednesday Thursday Friday	5 2 5 8 4	
Main Location Types selected	Edge of Town Neighbourhood Centre (PPS6 Local Centre)	20 4	
Population <1 Mile ranges selected	1,001 to 5,000 5,001 to 10,000 10,001 to 15,000 15,001 to 20,000 20,001 to 25,000 25,001 to 50,000 50,001 to 100,000	4 7 7 2 1 2	
Population <5 Mile ranges selected	5,001 to 25,000 25,001 to 50,000 50,001 to 75,000 75,001 to 100,000 100,001 to 125,000 125,001 to 250,000 250,001 to 500,000 500,001 or More	3 4 3 8 1 2 1 2	
Car Ownership <5 Mile ranges selected	0.6 to 1.0 1.1 to 1.5	8 16	
PTAL Rating	No PTAL Present	24	

Calculation Reference: AUDIT-704001-180202-0255

DHA Transport Limited Eclipse Park Maidstone

Licence No: 704001

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

VEHICLES

Selected regions and areas:

Selec	ted reg	<u>gions and areas:</u>	
02	SOUT	TH EAST	
	ES	EAST SUSSEX	1 days
	SC	SURREY	1 days
	WS	WEST SUSSEX	2 days
03	SOUT	TH WEST	
	SM	SOMERSET	1 days
04	EAST	ANGLIA	
	NF	NORFOLK	1 days
	SF	SUFFOLK	1 days
06	WEST	「 MI DLANDS	
	SH	SHROPSHIRE	3 days
	WK	WARWICKSHIRE	1 days
07	YORK	(SHIRE & NORTH LINCOLNSHIRE	
	NE	NORTH EAST LINCOLNSHIRE	1 days
	NY	NORTH YORKSHIRE	3 days
	WY	WEST YORKSHIRE	1 days
80	NORT	TH WEST	
	CH	CHESHIRE	1 days
	GM	GREATER MANCHESTER	2 days
09	NORT	TH .	
	CB	CUMBRIA	1 days
	DH	DURHAM	1 days
	TW	TYNE & WEAR	1 days
10	WALE	ES	
	VG	VALE OF GLAMORGAN	1 days
11		LAND	
	HI	HIGHLAND	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 dwellings Actual Range: 9 to 805 (units:) Range Selected by User: 5 to 50 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/09 to 27/11/17

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 5 days
Tuesday 2 days
Wednesday 5 days
Thursday 8 days
Friday 4 days

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

Selected survey types:

Manual count 24 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 20
Neighbourhood Centre (PPS6 Local Centre) 4

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:

Licence No: 704001

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 24 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	4 days
5,001 to 10,000	7 days
10,001 to 15,000	7 days
15,001 to 20,000	2 days
20,001 to 25,000	1 days
25,001 to 50,000	2 days
50,001 to 100,000	1 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	3 days
25,001 to 50,000	4 days
50,001 to 75,000	3 days
75,001 to 100,000	8 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days
500,001 or More	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	8 days
1.1 to 1.5	16 days

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

Travel Plan:

Yes	3 days
No	21 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 24 days

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

Eclipse Park DHA Transport Limited Maidstone Licence No: 704001

LIST OF SITES re	elevant to selection parameters		
Site(1): Development Name:	CB-03-A-04 SEMI DETACHED	Site area: Number of dwellings:	2.90 hect 82
Location:	WORKINGTON	Housing density:	36
Postcode:	CA14 5LH	Total Bedrooms:	246
Main Location Type:	Edge of Town	Survey Dave	24/04/09 Eriday
Sub-Location Type: PTAL:	No Sub Category n/a	Survey Day: Parking Spaces:	Friday 143
CH - (0)	011.00.4.00	- 1	0.70 h +
Site(2): Development Name:	CH-03-A-09 TERRACED HOUSES	Site area: Number of dwellings:	0.73 hect 24
Location:	MACCLESFIELD	Housing density:	39
Postcode:	SK10 2NS	Total Bedrooms:	72
Main Location Type:	Edge of Town	Survey Date:	24/11/14
Sub-Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a	Parking Spaces:	32
Site(3):	DH-03-A-02	Site area:	4.03 hect
Development Name:	MIXED HOUSES	Number of dwellings:	125
Location:	BISHOP AUCKLAND	Housing density:	38
Postcode: Main Location Type:	DL14 9UG Neighbourhood Centre (PPS6 Local Centre)	Total Bedrooms: Survey Date:	423 27/03/17
Sub-Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a	Parking Spaces:	124
Site(4):	ES-03-A-02	Site area:	0.50 hect
Development Name:	PRIVATE HOUSING	Number of dwellings:	37
Location:	PEACEHAVEN	Housing density:	74
Postcode:	BN10 8SA	Total Bedrooms:	103
Main Location Type:	Edge of Town	Survey Date:	18/11/11
Sub-Location Type: PTAL:	Residential Zone n/a	Survey Day:	Friday 59
PTAL:	11/4	Parking Spaces:	59
Site(5):	GM-03-A-10	Site area:	1.43 hect
Development Name:	DETACHED/SEMI	Number of dwellings:	29
Location:	MANCHESTER	Housing density:	23
Postcode: Main Location Type:	M25 9PL Edge of Town	Total Bedrooms: Survey Date:	85 12/10/11
Sub-Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a	Parking Spaces:	81
Site(6):	GM-03-A-11	Site area:	0.29 hect
Development Name:	TERRACED & SEMI-DETACHED	Number of dwellings:	37
Location:	MANCHESTER	Housing density:	132
Postcode:	M12 4NY	Total Bedrooms:	74
Main Location Type:	Neighbourhood Centre (PPS6 Local Centre) Residential Zone	Survey Date:	26/09/16
Sub-Location Type: PTAL:	n/a	Survey Day: Parking Spaces:	Monday 40
Site(7):	HI-03-A-13	Site area:	0.48 hect
Development Name:	HOUSING	Number of dwellings:	9
Location:	INVERNESS	Housing density:	19
Postcode:	IV2 3RE	Total Bedrooms:	38
Main Location Type:	Edge of Town	Survey Date:	21/05/09
Sub-Location Type:	Residential Zone	Survey Day:	Thursday
PTAL:	n/a	Parking Spaces:	28
Site(8):	NE-03-A-02	Site area:	12.00 hect
Development Name:	SEMI DETACHED & DETACHED	Number of dwellings:	432
Location: Postcode:	SCUNTHORPE DN15 8GS	Housing density: Total Bedrooms:	133 1174
Main Location Type:	Edge of Town	Survey Date:	12/05/14
Sub-Location Type:	No Sub Category	Survey Day:	Monday
PTAL:	n/a	Parking Spaces:	432
Site(9):	NF-03-A-03	Site area:	0.63 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	10
Location:	THETFORD	Housing density:	20
Postcode:	IP24 1EY	Total Bedrooms:	40
Main Location Type:	Edge of Town	Survey Dave	16/09/15 Wedposday
Sub-Location Type: PTAL:	Residential Zone n/a	Survey Day: Parking Spaces:	Wednesday 37
		- 1	
Site(10): Development Name:	NY-03-A-07 DETACHED & SEMI DET	Site area: Number of dwellings:	0.77 hect

Site(10): NY-03-A-07 Development Name:

BOROUGHBRIDGE Location: Postcode: YO51 9US Edge of Town Main Location Type: Sub-Location Type: No Sub Category PTAL:

DETACHED & SEMI DET.

n/a

23 35 Number of dwellings: Housing density: Total Bedrooms: 67 Survey Date: Survey Day: 18/10/11 Tuesday Parking Spaces: 45

DHA Transport Limited Eclipse Park Maidstone Licence No: 704001

TIA Transport Limited	•		
LIST OF SITES re	levant to selection parameters (Cont.)		
Site(11): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	NY-03-A-10 HOUSES AND FLATS RIPON HG4 1UH Edge of Town No Sub Category n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	2.21 hect 71 48 138 17/09/13 Tuesday 59
Site(12): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	NY-03-A-11 PRIVATE HOUSING BOROUGHBRIDGE Y051 9LQ Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	1.79 hect 23 15 101 18/09/13 Wednesday 144
Site(13): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SC-03-A-04 DETACHED & TERRACED BYFLEET KT14 7BY Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	3.20 hect 71 25 202 23/01/14 Thursday 177
Site(14): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SF-03-A-05 DETACHED HOUSES BURY ST EDMUNDS IP33 2SN Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	1.15 hect 18 19 78 09/09/15 Wednesday 75
Site(15): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SH-03-A-03 DETATCHED SHREWSBURY SY3 5PD Edge of Town No Sub Category n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	0.51 hect 10 25 33 26/06/09 Friday 30
Site(16): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SH-03-A-05 SEMI-DETACHED/TERRACED TELFORD TF7 4JE Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	1.32 hect 54 56 162 24/10/13 Thursday 63
Site(17): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SH-03-A-06 BUNGALOWS SHREWSBURY SY1 2RB Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	0.80 hect 16 24 34 22/05/14 Thursday 32
Site(18): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	SM-03-A-01 DETACHED & SEMI BRIDGWATER TA6 7PL Edge of Town Residential Zone n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	1.40 hect 33 28 107 24/09/15 Thursday 131
Site(19): Development Name: Location: Postcode: Main Location Type: Sub-Location Type: PTAL:	TW-03-A-03 MIXED HOUSES NEAR NEWCASTLE NE27 0SH Neighbourhood Centre (PPS6 Local Centre) Village n/a	Site area: Number of dwellings: Housing density: Total Bedrooms: Survey Date: Survey Day: Parking Spaces:	1.82 hect 33 21 112 13/11/15 Friday 132
Site(20): Development Name: Location: Postcode:	VG-03-A-01 SEMI-DETACHED & TERRACED BARRY CF63 2RE	Site area: Number of dwellings: Housing density: Total Bedrooms:	0.21 hect 12 86 36

Total Bedrooms:

Parking Spaces:

Survey Date: Survey Day: 36

28

08/05/17

Monday

CF63 2RE

n/a

Edge of Town Residential Zone

Postcode:

PTAL:

Main Location Type:

Sub-Location Type:

0.47 hect

17/10/13

Thursday

5.45 hect

11/12/14

Thursday

17

50

35

151

46

465

345

DHA Transport Limited Eclipse Park Maidstone Licence No: 704001

LIST OF SITES relevant to selection parameters (Cont.)

Site(21): WK-03-A-02 Site area: Number of dwellings: **BUNGALOWS** Development Name: Location: **COVENTRY** Housing density: CV2 2NT Total Bedrooms: Postcode: Survey Date: Main Location Type: Edge of Town Sub-Location Type: Residential Zone Survey Day: PTAL: n/a Parking Spaces:

Site(22): WS-03-A-04 Site area: Development Name: MIXED HOUSES Number of dwellings: Location: **HORSHAM** Housing density: Total Bedrooms: Postcode: RH12 1EP Main Location Type: Edge of Town Survey Date: Sub-Location Type: Residential Zone Survey Day: Parking Spaces: PTAL:

33.15 hect Site(23): WS-03-A-06 Site area: Development Name: MIXED HOUSES Number of dwellings: 805 Location: WEST HORSHAM Housing density: 43 RH12 3LN Postcode: Total Bedrooms: 2501 Main Location Type: Survey Date: 02/03/17 Edge of Town Sub-Location Type: Residential Zone Survey Day: Thursday Parking Spaces: PTAL: 1726 n/a

Site(24): WY-03-A-01 1.38 hect Site area: Number of dwellings: Development Name: MIXED HOUSING 46 Location: **LEEDS** Housing density: 70 Postcode: LS13 4TX Total Bedrooms: 120 Neighbourhood Centre (PPS6 Local Centre) 21/09/16 Main Location Type: Survey Date: Residential Zone Survey Day: Wednesday Sub-Location Type:

PTAL: n/a Survey Day: we Survey Day:

Licence No: 704001

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES		TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	24	90	0.076	24	90	0.278	24	90	0.354	
08:00 - 09:00	24	90	0.134	24	90	0.385	24	90	0.519	
09:00 - 10:00	24	90	0.143	24	90	0.166	24	90	0.309	
10:00 - 11:00	24	90	0.125	24	90	0.150	24	90	0.275	
11:00 - 12:00	24	90	0.139	24	90	0.152	24	90	0.291	
12:00 - 13:00	24	90	0.140	24	90	0.148	24	90	0.288	
13:00 - 14:00	24	90	0.144	24	90	0.152	24	90	0.296	
14:00 - 15:00	24	90	0.154	24	90	0.173	24	90	0.327	
15:00 - 16:00	24	90	0.262	24	90	0.189	24	90	0.451	
16:00 - 17:00	24	90	0.267	24	90	0.156	24	90	0.423	
17:00 - 18:00	24	90	0.308	24	90	0.147	24	90	0.455	
18:00 - 19:00	24	90	0.282	24	90	0.163	24	90	0.445	
19:00 - 20:00										
20:00 - 21:00				·						
21:00 - 22:00										
22:00 - 23:00										
23:00 - 24:00										
Total Rates:			2.174			2.259			4.433	

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: 704001

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Parameter summary

Trip rate parameter range selected: 9 - 805 (units:)
Survey date date range: 01/01/09 - 27/11/17

Number of weekdays (Monday-Friday): 24
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 0
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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

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TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED TAXIS

Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

		ARRIVALS			DEPARTURES	5	TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	24	90	0.002	24	90	0.002	24	90	0.004	
08:00 - 09:00	24	90	0.003	24	90	0.003	24	90	0.006	
09:00 - 10:00	24	90	0.001	24	90	0.001	24	90	0.002	
10:00 - 11:00	24	90	0.003	24	90	0.004	24	90	0.007	
11:00 - 12:00	24	90	0.001	24	90	0.001	24	90	0.002	
12:00 - 13:00	24	90	0.001	24	90	0.002	24	90	0.003	
13:00 - 14:00	24	90	0.002	24	90	0.001	24	90	0.003	
14:00 - 15:00	24	90	0.002	24	90	0.002	24	90	0.004	
15:00 - 16:00	24	90	0.005	24	90	0.006	24	90	0.011	
16:00 - 17:00	24	90	0.002	24	90	0.001	24	90	0.003	
17:00 - 18:00	24	90	0.001	24	90	0.001	24	90	0.002	
18:00 - 19:00	24	90	0.001	24	90	0.001	24	90	0.002	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00										
23:00 - 24:00										
Total Rates:			0.024			0.025			0.049	

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.

Surveys manually removed from selection:

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Parameter summary

Trip rate parameter range selected: 9 - 805 (units:)
Survey date date range: 01/01/09 - 27/11/17
Number of weekdays (Monday-Friday): 24
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically 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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

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TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED OGVS

Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

	ARRIVALS			[DEPARTURES			TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip		
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	24	90	0.000	24	90	0.000	24	90	0.000		
08:00 - 09:00	24	90	0.001	24	90	0.001	24	90	0.002		
09:00 - 10:00	24	90	0.003	24	90	0.002	24	90	0.005		
10:00 - 11:00	24	90	0.004	24	90	0.004	24	90	0.008		
11:00 - 12:00	24	90	0.001	24	90	0.002	24	90	0.003		
12:00 - 13:00	24	90	0.000	24	90	0.000	24	90	0.000		
13:00 - 14:00	24	90	0.001	24	90	0.000	24	90	0.001		
14:00 - 15:00	24	90	0.000	24	90	0.001	24	90	0.001		
15:00 - 16:00	24	90	0.001	24	90	0.000	24	90	0.001		
16:00 - 17:00	24	90	0.001	24	90	0.000	24	90	0.001		
17:00 - 18:00	24	90	0.000	24	90	0.000	24	90	0.000		
18:00 - 19:00	24	90	0.000	24	90	0.000	24	90	0.000		
19:00 - 20:00											
20:00 - 21:00											
21:00 - 22:00											
22:00 - 23:00											
23:00 - 24:00											
Total Rates:			0.012			0.010			0.022		

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.

Surveys manually removed from selection:

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Parameter summary

Trip rate parameter range selected: 9 - 805 (units:)
Survey date date range: 01/01/09 - 27/11/17
Number of weekdays (Monday-Friday): 24
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 0

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TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED PSVS

Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

		ARRIVALS			DEPARTURES	S	TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	24	90	0.000	24	90	0.000	24	90	0.000	
08:00 - 09:00	24	90	0.000	24	90	0.000	24	90	0.000	
09:00 - 10:00	24	90	0.000	24	90	0.000	24	90	0.000	
10:00 - 11:00	24	90	0.000	24	90	0.000	24	90	0.000	
11:00 - 12:00	24	90	0.001	24	90	0.001	24	90	0.002	
12:00 - 13:00	24	90	0.000	24	90	0.000	24	90	0.000	
13:00 - 14:00	24	90	0.000	24	90	0.000	24	90	0.000	
14:00 - 15:00	24	90	0.000	24	90	0.000	24	90	0.000	
15:00 - 16:00	24	90	0.000	24	90	0.000	24	90	0.000	
16:00 - 17:00	24	90	0.000	24	90	0.000	24	90	0.000	
17:00 - 18:00	24	90	0.000	24	90	0.000	24	90	0.000	
18:00 - 19:00	24	90	0.000	24	90	0.000	24	90	0.000	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00										
23:00 - 24:00										
Total Rates:			0.001			0.001			0.002	

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

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Surveys manually removed from selection:

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TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED CYCLISTS

Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

	ARRIVALS				DEPARTURES	5	TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip	
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	24	90	0.005	24	90	0.008	24	90	0.013	
08:00 - 09:00	24	90	0.001	24	90	0.012	24	90	0.013	
09:00 - 10:00	24	90	0.000	24	90	0.003	24	90	0.003	
10:00 - 11:00	24	90	0.001	24	90	0.006	24	90	0.007	
11:00 - 12:00	24	90	0.002	24	90	0.002	24	90	0.004	
12:00 - 13:00	24	90	0.004	24	90	0.003	24	90	0.007	
13:00 - 14:00	24	90	0.006	24	90	0.006	24	90	0.012	
14:00 - 15:00	24	90	0.004	24	90	0.002	24	90	0.006	
15:00 - 16:00	24	90	0.005	24	90	0.003	24	90	0.008	
16:00 - 17:00	24	90	0.011	24	90	0.009	24	90	0.020	
17:00 - 18:00	24	90	0.013	24	90	0.010	24	90	0.023	
18:00 - 19:00	24	90	0.007	24	90	0.004	24	90	0.011	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00										
23:00 - 24:00										
Total Rates:			0.059			0.068			0.127	

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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Surveys manually removed from selection:

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