

CONSTRUCTION CONSULTANTS HIGHWAYS AND INFRASTRUCTURE TRAFFIC AND TRANSPORTATION

M5 Junction 14 Vehicle Trips

Land at Sodbury Road, Wickwar

Bloor Homes



Land at Sodbury Road, Wickwar

Bloor Homes

QA RECORD:

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CONTENTS

1	l Introduction			
	1.1	Introduction	1	
2	Data		2	
	2.1	Trip distribution	2	
	2.2	Trip Generation	2	
	2.3	Trips through M5 Junction 14	3	
	2.4	Summary	3	
	Table 2.	1: Journeys to work from site, by route	2	
	Table 2.	2: TRICS-based Peak Hour Trip Rates and Trips	3	
	Table 2.	3: TRICS-based Peak Hour Trip Rates and Trips	3	

Appendix A: WF01BEW – 'Location of usual residence and place of work' Appendix B: TRICS Reports

NORMAN ROURKE PRYME

1 INTRODUCTION

1.1 Introduction

- 1.1.1 This Technical Note has been produced for officers of National Highways (NH) to determine whether it is considered that generated trips associated with the proposed development at Land off Sodbury Road, Wickwar, will have a material impact on Junction 14 of the M5. This Technical Note will cover:
 - Trip distribution according to Travel to Work/Place of Work Census Data;
 - Trip rates and trips, derived from the TRICS database; and
 - Trips through Junction 14 of the M5.
- 1.1.2 The development proposals are for up to 180 residential dwellings. Trip generation has been carried out on the robust assumption that all dwellings are private.



2 DATA

2.1 Trip distribution

- 2.1.1 In order to derive the trip distribution for the proposed development, 2011 Census data was queried for WF01BEW 'Location of Usual Residence and Place of Work', which uses Middle Super Output Areas (MSOA). The origin of all journeys was "02003092, South Gloucestershire 03" which was considered the closest representative area (Charfield, Wickwar and Iron Acton). All MSOAs were considered potential destinations. Data rows were deleted if they contained no trips to those destinations. Of the remainder, strategic routes were assigned a percentage distribution.
- 2.1.2 The number of journeys to work via each of the strategic routes were totalled, to give the results shown in Table 2.1.

Table 2.1: Journeys to work from site, by route

Route	% Journeys
B4509 The Down (M5 J14)	28.2
B4509 The Downs (Other Routes)	13.2
B4060 (North)	11.0
B4060 (South)	47.6

- 2.1.3 The B4509 forms part of the route from Wickwar to Junction 14 of the M5. The B4509 serves both the M5 and other locations so these trips have been separated to motorway trips and all other routes.
- 2.1.4 The trip distribution calculation file is available in Appendix A.

2.2 Trip Generation

- 2.2.1 To derive the trip rates for the proposed development, the TRICS database was queried using the following parameters:
 - Houses privately owned
 - Greater London and Greater Dublin excluded
 - Range 4-300 units
 - Monday to Thursday only
 - Locations: Suburban Area
 - Location sub-categories: Residential Zone only
- 2.2.2 The full TRICS report is included at Appendix B, whilst the results are summarised in Table 2.2 below.



Table 2.2: TRICS-based	Peak Hour Tri	p Rates and Trips
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		Trip Rates				
	Arrive	Depart	Total	Arrive	Depart	Total
AM Peak	0.127	0.401	0.528	23	72	95
PM Peak	0.382	0.179	0.561	69	32	101

2.3 Trips through M5 Junction 14

2.3.1 The total trips as set out in Section 2.2 have been assigned to Junction 14 accordance with the percentage distribution provided in Section 2.1. This results in the trip assignments as presented in Table 2.3.

Table 2.3: TRICS-based Peak Hour Trip Rates and Trips

	Arrivals	Departures
AM Peak	6	20
PM Peak	19	9

2.4 Summary

2.4.1 Based on the TRICS trip rates and the calculated distribution, the proposed development is predicted to generate a total of 26 two-way movements in the AM peak and 28 two-way movements in the PM peak. The number of vehicular movements associated with the proposed development will therefore have a negligible impact on Junction 14 of the M5 and its surround road network.



APPENDIX A: WF01BEW – 'LOCATION OF USUAL RESIDENCE AND PLACE OF WORK'

WF01BEW - Location of usual residence and place of work (OA level) ONS Crown Copyright Reserved [from Nomis on 29 July 2021]



currently residing	
in	

place of work : 2011 super output area - middle layer	E02003092 : South Gloucestershire 003	B4060 South	B4060 Station Road	The Downs (Other)	The Downs (M5J14)	%
Total	3,013	47.55%	11.01%	13.23%	28.21%	100.00%
E02003092 : South Gloucestershire 003	434	4.80%	4.80%	4.80%		
E02004665 : Stroud 015	187		6.21%			
E02003106 : South Gloucestershire 017	178	5.91%				
E02003043 : Bristol 032	132	2.19%			2.19%	
E02003108 : South Gloucestershire 019	98	3.25%				
E02003091 : South Gloucestershire 002	96			3.19%		
E02003095 : South Gloucestershire 006	85	2.82%				
E02003097 : South Gloucestershire 008	81	2.69%				
E02003090 : South Gloucestershire 001	74				2.46%	
E02006887 : Bristol 054	68	1.13%			1.13%	
E02003094 : South Gloucestershire 005	62				2.06%	
E02003100 : South Gloucestershire 011	58				1.92%	
E02003113 : South Gloucestershire 024	57	1.89%				
E02003093 : South Gloucestershire 004	53			0.88%	0.88%	
E02004662 : Stroud 012	50			0.83%	0.83%	
E02003099 : South Gloucestershire 010	43	1.43%				
E02003107 : South Gloucestershire 018	40	0.66%		0.66%		
E02003098 : South Gloucestershire 009	38				1.26%	
E02003015 : Bristol 004	36	0.60%			0.60%	
E02003019 : Bristol 008	23				0.76%	
E02003036 : Bristol 025	22	0.37%			0.37%	
E02003102 : South Gloucestershire 013	22	0.73%				
E02004664 : Stroud 014	22			0.73%		
E02003024 : Bristol 013	21	0.70%				
E02003034 : Bristol 023	21	0.70%				
E02003096 : South Gloucestershire 007	21	0.70%				
E02003110 : South Gloucestershire 021	19	0.63%				
E02003118 : South Gloucestershire 029	19	0.63%				
E02002991 : Bath and North East Somerset 007	17	0.56%				

E02006889 : Bristol 056	17	0.28%		0.28%
E02003115 : South Gloucestershire 026	17	0.56%		
E02004655 : Stroud 005	17			0.56%
E02003105 : South Gloucestershire 016	16	0.53%		
E02004625 : Cotswold 011	16		0.53%	
E02003101 : South Gloucestershire 012	15	0.50%		
E02003121 : South Gloucestershire 032	15	0.50%		
E02004639 : Gloucester 004	15			0.50%
E02004656 : Stroud 006	15		0 25%	0.25%
E02003037 : Bristol 026	14	0 23%	012070	0.23%
E02004660 · Stroud 010	14	0.2070	0.46%	0.2070
E02003032 · Bristol 021	13	0 22%	0.4070	0 22%
E02004644 · Gloucester 009	13	0.2270		0.22%
E02003025 · Bristol 014	12	0.20%		0.45%
E02003014 : Bristol 003	11	0.20%		0.2070
E02003017 : Bristol 003	11	0.57%		0 1 9 0/
E02003011 : Bristol 000	11	0.10%		0.10%
E02003052 : Bristol 041	11	0.18%		0.18%
E02003032 : Blistol 041	11	0.18%		0.18%
E02003114 : South Gloucestershile 025	11	0.37%		0.070/
	11			0.37%
E02004661 : Stroud 011	11		0.37%	
E02006492 : Rugby 001	10			0.33%
E02003103 : South Gioucestershire 014	10	0.33%		
E02004653 : Stroud 003	10			0.33%
E02001097 : Manchester 053	9			0.30%
E02002992 : Bath and North East Somerset 008	9	0.30%		
E02003117 : South Gloucestershire 028	9	0.30%		
E02003119 : South Gloucestershire 030	9	0.30%		
E02004621 : Cotswold 007	9	0.30%		
E02002251 : Calderdale 008	8			0.27%
E02002987 : Bath and North East Somerset 003	8	0.27%		
E02003049 : Bristol 038	8	0.27%		
E02003104 : South Gloucestershire 015	8			0.27%
E02003111 : South Gloucestershire 022	8	0.27%		
E02003116 : South Gloucestershire 027	8	0.27%		
E02006660 : Wiltshire 018	8	0.27%		
E02003040 : Bristol 029	7	0.23%		
E02003064 : Bristol 053	7	0.23%		
E02006888 : Bristol 055	7	0.23%		
E02003068 : North Somerset 004	7			0.23%
E02004608 : Cheltenham 009	7			0.23%
E02004650 : Gloucester 015	7			0.23%
E02004654 : Stroud 004	7			0.23%
E02002994 · Bath and North East Somerset 010	6	0.20%		0.2070
E02003013 · Bristol 002	6	0.20%		0 10%
E02003026 : Bristol 015	6	0.10%		0.10%
E02003033 · Bristol 022	6	0.10%		0.10%
E02003046 : Bristol 022	6	0.10%		0.10%
E02003040 : Dirstol 033	6	0.10%		0.10%
E02003070 : North Somerset 000	6	0.200/		0.20%
	0	0.20%	0.000/	
E02004659 Stroud 009	0		0.20%	0.470/
E02002004 . South North AmptonShife 004	ວ F	0.470/		0.17%
	ວ ເ	0.17%		0.000/
EU2UU3U10 : Bristol UU5	5	0.08%		0.08%
EU2UU3U27 : Bristol U16	5	0.08%		0.08%
EU2UU3U5U : Bristol 039	5	0.08%		0.08%
EU2UU3066 : North Somerset 002	5			0.17%
EU2003076 : North Somerset 012	5			0.17%
E02006684 : Wiltshire 031	5	0.17%		
E02004637 : Gloucester 002	5			0.17%

E02004672 : Tewkesbury 007	5			0.17%
E02004674 : Tewkesbury 009	5			0.17%
E02000001 : City of London 001	4	0.13%		
E02002986 : Bath and North East Somerset 002	4	0.13%		
E02002993 : Bath and North East Somerset 009	4	0.13%		
E02002996 : Bath and North East Somerset 012	4	0.13%		
E02003008 : Bath and North East Somerset 024	4	0.13%		
E02003021 : Bristol 010	4	0.07%		0 07%
E02003031 : Bristol 020	4	0.07%		0.07%
E02003056 · Bristol 045	4	0.07%		0.07%
E02003067 : North Somerset 003	4	0.0770		0.13%
E02003077 : North Somerset 013	4			0.13%
E02003077 : Notifi Somerset 013	4	0 1 20/		0.15%
E02006255 : Wildshire 002		0.13%		
E020006652 : Wildshire 002	4	0.13%		
	4	0.13%		
E02000034 . Willshille 011	4	0.13%		o
	4			0.13%
	4			0.13%
E02004663 : Stroud 013	4		0.13%	
E02004666 : Tewkesbury 001	4			0.13%
E02006746 : Worcester 013	3			0.10%
E02003539 : Portsmouth 016	3	0.10%		
E02003378 : West Berkshire 012	3	0.10%		
E02003000 : Bath and North East Somerset 016	3	0.10%		
E02003002 : Bath and North East Somerset 018	3	0.10%		
E02003012 : Bristol 001	3	0.05%		0.05%
E02003023 : Bristol 012	3	0.05%		0.05%
E02003029 : Bristol 018	3	0.05%		0.05%
E02003030 : Bristol 019	3	0.05%		0.05%
E02003038 : Bristol 027	3	0.05%		0.05%
E02003045 : Bristol 034	3	0.05%		0.05%
E02003047 : Bristol 036	3	0.05%		0.05%
E02006890 : Bristol 057	3	0.05%		0.05%
E02003065 : North Somerset 001	3	0.0070		0.00%
E02003071 : North Somerset 007	3			0.10%
E02003109 : South Gloucestershire 020	3	0 10%		0.1070
E02003120 : South Cloucestershire 031	3	0.10%		
E02003120 : Ooduli Olodeestersiine oo i	3	0.10%		
E02006650 : Wiltebire 007	3	0.10%		
E02006651 : Wiltshine 007	3	0.10%		
E02006652 : Wiltshine 000	3	0.10%		
E020000000 . Willshille 010	3	0.10%		0.400/
E02004 (39): Exeler 011	3		0.400/	0.10%
	3		0.10%	
	3		0.10%	
E02004651 : Stroud 001	3			0.10%
E02004670 : Tewkesbury 005	3			0.10%
E02004673 : Tewkesbury 008	3			0.10%
E02006899 : Birmingham 138	2			0.07%
E02004989 : Welwyn Hatfield 010	2	0.07%		
E02000979 : Westminster 020	2	0.07%		
E02000528 : Hounslow 003	2	0.07%		
E02003531 : Portsmouth 008	2	0.07%		
E02004683 : Basingstoke and Deane 009	2	0.07%		
E02003004 : Bath and North East Somerset 020	2	0.07%		
E02003006 : Bath and North East Somerset 022	2	0.07%		
E02003020 : Bristol 009	2	0.03%		0.03%
E02003053 : Bristol 042	2	0.03%		0.03%
E02003054 : Bristol 043	2	0.03%		0.03%
E02003057 : Bristol 046	2	0.03%		0.03%
E02003060 : Bristol 049	2	0.03%		0.03%
	_	0.0070		0.00/0

E02003073 : North Somerset 009	2		0.07%
E02003082 : North Somerset 018	2		0.07%
E02003084 : North Somerset 020	2		0.07%
E02003085 : North Somerset 021	2		0.07%
E02003089 : North Somerset 025	2		0.07%
E02003220 : Swindon 009	2	0.07%	
E02003235 : Swindon 024	2	0.07%	
E02003236 : Swindon 025	2	0.07%	
E02006643 : Wiltshire 041	2	0.07%	
E02006648 : Wiltshire 005	2	0.07%	
E02006659 : Wiltshire 017	2	0.07%	
E02004600 : Cheltenham 001	2	0.0770	0 07%
E02004606 : Cheltenham 007	2		0.07%
E02004613 : Cheltenham 014	2		0.07%
E02004626 : Enrest of Dean 001	2		0.07%
E02004640 : Cloucester 014	2		0.07%
E02004657 : Stroud 007	2	0.02%	0.07%
E02004671 : Stroud 007	2	0.03%	0.03%
E02004071: Tewresbury 000	2		0.07%
E02006105: Taunion Deane 007	2		0.07%
W02000384 : Cardiii 018	2		0.07%
	2		0.07%
W02000343 : Monmouthshire 008	2		0.07%
W02000350 : Newport 004	2		0.07%
E02002591 : Warrington 002	1		0.03%
E02003993 : Carlisle 007	1		0.03%
E02001086 : Manchester 042	1		0.03%
E02001177 : Salford 021	1		0.03%
E02001183 : Salford 027	1		0.03%
E02001184 : Salford 028	1		0.03%
E02001566 : Doncaster 028	1		0.03%
E02002821 : Derby 026	1		0.03%
E02002824 : Derby 029	1		0.03%
E02002889 : Nottingham 022	1		0.03%
E02005352 : Charnwood 008	1		0.03%
E02005376 : Harborough 010	1		0.03%
E02005390 : Hinckley and Bosworth 014	1		0.03%
E02005460 : North Kesteven 008	1		0.03%
E02005653 : Northampton 004	1	0.03%	
E02005678 : Northampton 029	1	0.03%	
E02005834 : Ashfield 016	1		0.03%
E02002927 : Herefordshire 023	1		0.03%
E02006191 : Stafford 004	1		0.03%
E02006512 : Stratford-on-Avon 009	1		0.03%
E02006530 · Warwick 012	1		0.03%
E02001900 · Birmingham 074	1		0.03%
E02001928 : Birmingham 102	1		0.03%
E02001050 : Birmingham 102	1		0.03%
E02006806 : Birmingham 124	1		0.05%
E02000000 : Dimingham 100	1		0.03%
E02002056 : Sandwell 010	1		0.03%
E02002000 . Sandwell 024	1		0.03%
E02002008 : Sandwell 020	1		0.03%
E02002127 : Walsali 018	1	/	0.03%
	1	0.03%	
EU2006/48 : Wychavon 001	1		0.03%
EU2006/49 : Wychavon 002	1		0.03%
EU2006757 : Wychavon 010	1		0.03%
E02003645 : Central Bedfordshire 027	1	0.03%	
E02003271 : Luton 014	1	0.03%	
E02004520 : Colchester 015	1	0.03%	
E02004852 : Broxbourne 010	1	0.03%	

E02004903 : Hertsmere 008	1	0.03%
E02004954 : Stevenage 011	1	0.03%
E02006233 : Babergh 007	1	0.03%
E02000191 : Camden 026	1	0.03%
E02000384 : Hammersmith and Fulham 013	1	0.03%
E02000808 : Southwark 002	1	0.03%
E02006802 : Southwark 034	1	0.03%
E02000970 : Westminster 011	1	0.03%
E02000977 : Westminster 018	1	0.03%
E02000119 : Brent 027	1	0.03%
E02000524 : Hillinadon 031	1	0.03%
E02000534 : Hounslow 009	1	0.03%
E02000615 : Kingston upon Thames 018	1	0.03%
E02006925 : Redbridge 036	1	0.03%
E02003589 : Isle of Wight 009	1	0.03%
E02003395 : Reading 007	1	0.03%
E02003399 : Reading 011	1	0.03%
E02000000 : Neutrampton 012	1	0.03%
E02003423 : Windsor and Maidenhead 003	1	0.03%
E02003423 : Windsor and Maidenhead 003	1	0.03%
	1	0.03%
E02003444 : Wokingham 000	1	0.03%
E02003447 : Wokingnam 009	1	0.03%
	1	0.03%
E02003/12 : Wycombe 01/	1	0.03%
E02004381 : Lewes 003	1	0.03%
E02004775 : Havant 014	1	0.03%
E02004798 : New Forest 020	1	0.03%
E02004832 : Winchester 004	1	0.03%
E02005033 : Dartford 006	1	0.03%
E02005945 : Oxford 006	1	0.03%
E02005963 : South Oxfordshire 006	1	0.03%
E02006323 : Elmbridge 007	1	0.03%
E02006373 : Mole Valley 012	1	0.03%
E02006387 : Reigate and Banstead 013	1	0.03%
E02006437 : Tandridge 010	1	0.03%
E02002988 : Bath and North East Somerset 004	1	0.03%
E02002989 : Bath and North East Somerset 005	1	0.03%
E02002999 : Bath and North East Somerset 015	1	0.03%
E02003003 : Bath and North East Somerset 019	1	0.03%
E02003009 : Bath and North East Somerset 025	1	0.03%
E02003188 : Bournemouth 017	1	0.03%
E02003018 : Bristol 007	1	0.02%
E02003048 : Bristol 037	1	0.02%
E02003051 : Bristol 040	1	0.02%
E02003059 : Bristol 048	1	0.02%
E02003062 : Bristol 051	1	0.02%
E02003063 : Bristol 052	1	0.02%
E02003072 : North Somerset 008	1	
E02003074 : North Somerset 010	1	
E02003078 : North Somerset 014	1	
E02003079 : North Somerset 015	1	
E02003081 : North Somerset 017	1	
E02003087 : North Somerset 023	1	
E02003219 : Swindon 008	1	0.03%
E02003221 : Swindon 010	1	0.03%
E02003225 · Swindon 014	1	0.03%
E02003230 · Swindon 019	1	0.03%
E02003234 : Swindon 023	' 1	0.03%
E02003167 · Torbay 014	' 1	0.03/0
E02006635 · Wiltehire 010	1	0.02%
	1	0.05%

0.02% 0.02% 0.02% 0.02% 0.02% 0.03% 0.03% 0.03% 0.03% 0.03%

0.03%

E02006679 : Wiltshire 021 1	0.03%
E02006688 : Wiltshire 036 1	0.03%
E02006690 : Wiltshire 039 1	0.03%
E02006694 : Wiltshire 044 1	0.03%
E02004134 : East Devon 006 1	0.03%
E02004162 : Exeter 014 1	0.03%
E02004189 : South Hams 001 1	0.03%
E02004201 : Teignbridge 001 1	0.03%
E02004277 : West Dorset 009 1	0.03%
E02004288 : Weymouth and Portland 008 1	0.03%
E02004601 : Cheltenham 002 1	0.03%
E02004610 : Cheltenham 011 1	0.03%
E02004612 : Cheltenham 013 1	0.03%
E02004614 : Cheltenham 015 1	0.03%
E02004619 : Cotswold 005 1	0.03%
E02004623 : Cotswold 009 1	0.03%
E02004634 : Forest of Dean 009 1	0.03%
E02004643 : Gloucester 008 1	0.03%
E02004646 : Gloucester 011 1	0.03%
E02004648 : Gloucester 013 1	0.03%
E02004669 : Tewkesbury 004 1	0.03%
E02006047 : Mendip 001 1	0.03%
E02006052 : Mendip 006 1	0.03%
E02006056 : Mendip 010 1	0.03%
E02006061 : Sedgemoor 001 1	0.03%
E02006062 : Sedgemoor 002 1	0.03%
E02006069 : Sedgemoor 009 1	0.03%
E02006071 : Sedgemoor 011 1	0.03%
E02006080 : South Somerset 006 1	0.03%
E02006116 : West Somerset 004 1	0.03%
W02000068 : Flintshire 011 1	0.03%
W02000072 : Flintshire 015 1	0.03%
W02000418 : Carmarthenshire 027 1	0.03%
W02000240 : The Vale of Glamorgan 004 1	0.03%
W02000250 : The Vale of Glamorgan 014 1	0.03%
W02000251 : The Vale of Glamorgan 015 1	0.03%
W02000391 : Cardiff 025 1	0.03%
W02000392 : Cardiff 026 1	0.03%
W02000398 : Cardiff 032 1	0.03%
W02000423 : Cardiff 049 1	0.03%
W02000285 : Merthyr Tydfil 003 1	0.03%
W02000312 : Caerphilly 023 1	0.03%
W02000335 : Torfaen 013 1	0.03%
W02000360 : Newport 014 1	0.03%
W02000364 : Newport 018 1	0.03%

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APPENDIX B: TRICS REPORTS

Calculation Reference: AUDIT-102301-210202-0212

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL Category : A - HOUSES PRIVATELY OWNED MULTI - MODAL TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	HF HERTFORDSHIRE	1 days
	KC KENT	2 days
	SC SURREY	1 days
	WS WEST SUSSEX	3 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NE NORTH EAST LINCOLNSHIRE	1 days
11	SCOTLAND	
	FA FALKIRK	1 days
13	MUNSTER	
	WA WATERFORD	1 days
16	ULSTER (REPUBLIC OF IRELAND)	
	DN DONEGAL	1 days
17	ULSTER (NORTHERN I RELAND)	
	AN ANTRIM	2 days

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

Primary 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:	No of Dwellings
Actual Range:	146 to 432 (units:)
Range Selected by User:	100 to 650 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision: Selection by:

Include all surveys

Date Range: 01/01/12 to 08/10/20

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.

<u>Selected survey days:</u>	
Monday	5 days
Tuesday	3 days
Wednesday	6 days
Thursday	3 days

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

<u>Selected survey types:</u>	
Manual count	17 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.

> 4 13

Selected Locations:	
Suburban Area (PPS6 Out of Centre)	
Edge of Town	

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.

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:

<u>Use Class:</u> C3

17 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 500m Range:	
All Surveys Included	
Population within 1 mile:	
1,001 to 5,000	1 days
5,001 to 10,000	4 days
10,001 to 15,000	8 days
20,001 to 25,000	4 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
50,001 to 75,000	4 days
75,001 to 100,000	4 days
100,001 to 125,000	1 days
125,001 to 250,000	5 days

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

Car ownership within 5 miles:	
0.6 to 1.0	4 days
1.1 to 1.5	10 days
1.6 to 2.0	3 days

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

<u>Travel Plan:</u>	
Yes	6 days
No	11 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

17 days

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

House Exeter

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL TOTAL 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	17	237	0.068	17	237	0.295	17	237	0.363
08:00 - 09:00	17	237	0.127	17	237	0.401	17	237	0.528
09:00 - 10:00	17	237	0.148	17	237	0.188	17	237	0.336
10:00 - 11:00	17	237	0.128	17	237	0.161	17	237	0.289
11:00 - 12:00	17	237	0.129	17	237	0.148	17	237	0.277
12:00 - 13:00	17	237	0.178	17	237	0.163	17	237	0.341
13:00 - 14:00	17	237	0.168	17	237	0.172	17	237	0.340
14:00 - 15:00	17	237	0.193	17	237	0.205	17	237	0.398
15:00 - 16:00	17	237	0.277	17	237	0.182	17	237	0.459
16:00 - 17:00	17	237	0.294	17	237	0.172	17	237	0.466
17:00 - 18:00	17	237	0.382	17	237	0.179	17	237	0.561
18:00 - 19:00	17	237	0.320	17	237	0.200	17	237	0.520
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates: 2.412 2.466 4.878					4.878				

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

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

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Parameter summary

Trip rate parameter range selected:	146 - 432 (units:)
Survey date date range:	01/01/12 - 08/10/20
Number of weekdays (Monday-Friday):	17
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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL TAXIS 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	17	237	0.002	17	237	0.002	17	237	0.004
08:00 - 09:00	17	237	0.004	17	237	0.004	17	237	0.008
09:00 - 10:00	17	237	0.003	17	237	0.002	17	237	0.005
10:00 - 11:00	17	237	0.002	17	237	0.002	17	237	0.004
11:00 - 12:00	17	237	0.003	17	237	0.003	17	237	0.006
12:00 - 13:00	17	237	0.003	17	237	0.003	17	237	0.006
13:00 - 14:00	17	237	0.003	17	237	0.002	17	237	0.005
14:00 - 15:00	17	237	0.003	17	237	0.003	17	237	0.006
15:00 - 16:00	17	237	0.005	17	237	0.004	17	237	0.009
16:00 - 17:00	17	237	0.004	17	237	0.005	17	237	0.009
17:00 - 18:00	17	237	0.001	17	237	0.001	17	237	0.002
18:00 - 19:00	17	237	0.002	17	237	0.003	17	237	0.005
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.035			0.034			0.069

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI -MODAL 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	17	237	0.001	17	237	0.001	17	237	0.002
08:00 - 09:00	17	237	0.003	17	237	0.002	17	237	0.005
09:00 - 10:00	17	237	0.003	17	237	0.002	17	237	0.005
10:00 - 11:00	17	237	0.003	17	237	0.004	17	237	0.007
11:00 - 12:00	17	237	0.001	17	237	0.001	17	237	0.002
12:00 - 13:00	17	237	0.002	17	237	0.004	17	237	0.006
13:00 - 14:00	17	237	0.002	17	237	0.001	17	237	0.003
14:00 - 15:00	17	237	0.002	17	237	0.003	17	237	0.005
15:00 - 16:00	17	237	0.002	17	237	0.003	17	237	0.005
16:00 - 17:00	17	237	0.002	17	237	0.001	17	237	0.003
17:00 - 18:00	17	237	0.001	17	237	0.001	17	237	0.002
18:00 - 19:00	17	237	0.001	17	237	0.001	17	237	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.023			0.024			0.047

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: 102301

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL PSVS 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	17	237	0.001	17	237	0.001	17	237	0.002
08:00 - 09:00	17	237	0.002	17	237	0.002	17	237	0.004
09:00 - 10:00	17	237	0.001	17	237	0.001	17	237	0.002
10:00 - 11:00	17	237	0.001	17	237	0.001	17	237	0.002
11:00 - 12:00	17	237	0.000	17	237	0.000	17	237	0.000
12:00 - 13:00	17	237	0.000	17	237	0.000	17	237	0.000
13:00 - 14:00	17	237	0.001	17	237	0.001	17	237	0.002
14:00 - 15:00	17	237	0.001	17	237	0.001	17	237	0.002
15:00 - 16:00	17	237	0.002	17	237	0.002	17	237	0.004
16:00 - 17:00	17	237	0.000	17	237	0.000	17	237	0.000
17:00 - 18:00	17	237	0.001	17	237	0.001	17	237	0.002
18:00 - 19:00	17	237	0.000	17	237	0.000	17	237	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.010			0.010			0.020

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL CYCLISTS 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	17	237	0.003	17	237	0.006	17	237	0.009
08:00 - 09:00	17	237	0.004	17	237	0.013	17	237	0.017
09:00 - 10:00	17	237	0.001	17	237	0.002	17	237	0.003
10:00 - 11:00	17	237	0.002	17	237	0.003	17	237	0.005
11:00 - 12:00	17	237	0.002	17	237	0.003	17	237	0.005
12:00 - 13:00	17	237	0.004	17	237	0.004	17	237	0.008
13:00 - 14:00	17	237	0.002	17	237	0.002	17	237	0.004
14:00 - 15:00	17	237	0.003	17	237	0.003	17	237	0.006
15:00 - 16:00	17	237	0.006	17	237	0.004	17	237	0.010
16:00 - 17:00	17	237	0.011	17	237	0.006	17	237	0.017
17:00 - 18:00	17	237	0.010	17	237	0.006	17	237	0.016
18:00 - 19:00	17	237	0.007	17	237	0.007	17	237	0.014
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.055			0.059			0.114

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.

e Exeter

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL VEHICLE OCCUPANTS 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	17	237	0.084	17	237	0.437	17	237	0.521
08:00 - 09:00	17	237	0.163	17	237	0.690	17	237	0.853
09:00 - 10:00	17	237	0.192	17	237	0.278	17	237	0.470
10:00 - 11:00	17	237	0.168	17	237	0.229	17	237	0.397
11:00 - 12:00	17	237	0.171	17	237	0.215	17	237	0.386
12:00 - 13:00	17	237	0.246	17	237	0.228	17	237	0.474
13:00 - 14:00	17	237	0.235	17	237	0.243	17	237	0.478
14:00 - 15:00	17	237	0.273	17	237	0.289	17	237	0.562
15:00 - 16:00	17	237	0.465	17	237	0.263	17	237	0.728
16:00 - 17:00	17	237	0.493	17	237	0.254	17	237	0.747
17:00 - 18:00	17	237	0.594	17	237	0.262	17	237	0.856
18:00 - 19:00	17	237	0.490	17	237	0.305	17	237	0.795
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.574			3.693			7.267

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.

Tuesday 02/02/21 Page 9

Licence No: 102301

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL PEDESTRIANS 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	17	237	0.013	17	237	0.024	17	237	0.037
08:00 - 09:00	17	237	0.022	17	237	0.050	17	237	0.072
09:00 - 10:00	17	237	0.020	17	237	0.028	17	237	0.048
10:00 - 11:00	17	237	0.021	17	237	0.026	17	237	0.047
11:00 - 12:00	17	237	0.020	17	237	0.021	17	237	0.041
12:00 - 13:00	17	237	0.025	17	237	0.016	17	237	0.041
13:00 - 14:00	17	237	0.022	17	237	0.024	17	237	0.046
14:00 - 15:00	17	237	0.027	17	237	0.031	17	237	0.058
15:00 - 16:00	17	237	0.045	17	237	0.030	17	237	0.075
16:00 - 17:00	17	237	0.048	17	237	0.024	17	237	0.072
17:00 - 18:00	17	237	0.035	17	237	0.022	17	237	0.057
18:00 - 19:00	17	237	0.030	17	237	0.040	17	237	0.070
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.328			0.336			0.664

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL BUS/TRAM PASSENGERS 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	17	237	0.000	17	237	0.009	17	237	0.009
08:00 - 09:00	17	237	0.001	17	237	0.016	17	237	0.017
09:00 - 10:00	17	237	0.001	17	237	0.006	17	237	0.007
10:00 - 11:00	17	237	0.001	17	237	0.002	17	237	0.003
11:00 - 12:00	17	237	0.002	17	237	0.002	17	237	0.004
12:00 - 13:00	17	237	0.002	17	237	0.002	17	237	0.004
13:00 - 14:00	17	237	0.003	17	237	0.004	17	237	0.007
14:00 - 15:00	17	237	0.002	17	237	0.002	17	237	0.004
15:00 - 16:00	17	237	0.017	17	237	0.005	17	237	0.022
16:00 - 17:00	17	237	0.011	17	237	0.003	17	237	0.014
17:00 - 18:00	17	237	0.007	17	237	0.002	17	237	0.009
18:00 - 19:00	17	237	0.009	17	237	0.003	17	237	0.012
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.056			0.056			0.112

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL TOTAL RAIL PASSENGERS 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	17	237	0.001	17	237	0.005	17	237	0.006
08:00 - 09:00	17	237	0.000	17	237	0.007	17	237	0.007
09:00 - 10:00	17	237	0.000	17	237	0.003	17	237	0.003
10:00 - 11:00	17	237	0.000	17	237	0.002	17	237	0.002
11:00 - 12:00	17	237	0.000	17	237	0.001	17	237	0.001
12:00 - 13:00	17	237	0.000	17	237	0.001	17	237	0.001
13:00 - 14:00	17	237	0.001	17	237	0.000	17	237	0.001
14:00 - 15:00	17	237	0.000	17	237	0.000	17	237	0.000
15:00 - 16:00	17	237	0.003	17	237	0.001	17	237	0.004
16:00 - 17:00	17	237	0.002	17	237	0.000	17	237	0.002
17:00 - 18:00	17	237	0.005	17	237	0.001	17	237	0.006
18:00 - 19:00	17	237	0.004	17	237	0.000	17	237	0.004
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.016			0.021			0.037

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL COACH PASSENGERS 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	17	237	0.000	17	237	0.000	17	237	0.000
08:00 - 09:00	17	237	0.000	17	237	0.002	17	237	0.002
09:00 - 10:00	17	237	0.000	17	237	0.000	17	237	0.000
10:00 - 11:00	17	237	0.000	17	237	0.000	17	237	0.000
11:00 - 12:00	17	237	0.000	17	237	0.000	17	237	0.000
12:00 - 13:00	17	237	0.000	17	237	0.000	17	237	0.000
13:00 - 14:00	17	237	0.000	17	237	0.000	17	237	0.000
14:00 - 15:00	17	237	0.001	17	237	0.000	17	237	0.001
15:00 - 16:00	17	237	0.001	17	237	0.000	17	237	0.001
16:00 - 17:00	17	237	0.000	17	237	0.000	17	237	0.000
17:00 - 18:00	17	237	0.000	17	237	0.000	17	237	0.000
18:00 - 19:00	17	237	0.000	17	237	0.000	17	237	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.002			0.002			0.004

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL PUBLIC TRANSPORT USERS 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	17	237	0.001	17	237	0.014	17	237	0.015
08:00 - 09:00	17	237	0.001	17	237	0.025	17	237	0.026
09:00 - 10:00	17	237	0.001	17	237	0.010	17	237	0.011
10:00 - 11:00	17	237	0.001	17	237	0.004	17	237	0.005
11:00 - 12:00	17	237	0.002	17	237	0.003	17	237	0.005
12:00 - 13:00	17	237	0.002	17	237	0.004	17	237	0.006
13:00 - 14:00	17	237	0.003	17	237	0.004	17	237	0.007
14:00 - 15:00	17	237	0.003	17	237	0.002	17	237	0.005
15:00 - 16:00	17	237	0.021	17	237	0.006	17	237	0.027
16:00 - 17:00	17	237	0.013	17	237	0.004	17	237	0.017
17:00 - 18:00	17	237	0.012	17	237	0.003	17	237	0.015
18:00 - 19:00	17	237	0.014	17	237	0.004	17	237	0.018
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.074			0.083			0.157

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL TOTAL PEOPLE 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	17	237	0.101	17	237	0.480	17	237	0.581
08:00 - 09:00	17	237	0.191	17	237	0.778	17	237	0.969
09:00 - 10:00	17	237	0.215	17	237	0.318	17	237	0.533
10:00 - 11:00	17	237	0.192	17	237	0.262	17	237	0.454
11:00 - 12:00	17	237	0.196	17	237	0.243	17	237	0.439
12:00 - 13:00	17	237	0.276	17	237	0.252	17	237	0.528
13:00 - 14:00	17	237	0.262	17	237	0.274	17	237	0.536
14:00 - 15:00	17	237	0.307	17	237	0.325	17	237	0.632
15:00 - 16:00	17	237	0.537	17	237	0.303	17	237	0.840
16:00 - 17:00	17	237	0.565	17	237	0.288	17	237	0.853
17:00 - 18:00	17	237	0.651	17	237	0.294	17	237	0.945
18:00 - 19:00	17	237	0.541	17	237	0.356	17	237	0.897
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			4.034			4.173			8.207

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.

23:00 - 24:00 Total Rates:

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI-MODAL CARS 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	17	237	0.044	17	237	0.217	17	237	0.261	
08:00 - 09:00	17	237	0.083	17	237	0.272	17	237	0.355	
09:00 - 10:00	17	237	0.090	17	237	0.120	17	237	0.210	
10:00 - 11:00	17	237	0.079	17	237	0.100	17	237	0.179	
11:00 - 12:00	17	237	0.084	17	237	0.090	17	237	0.174	
12:00 - 13:00	17	237	0.103	17	237	0.097	17	237	0.200	
13:00 - 14:00	17	237	0.102	17	237	0.099	17	237	0.201	
14:00 - 15:00	17	237	0.114	17	237	0.126	17	237	0.240	
15:00 - 16:00	17	237	0.176	17	237	0.106	17	237	0.282	
16:00 - 17:00	17	237	0.194	17	237	0.105	17	237	0.299	
17:00 - 18:00	17	237	0.256	17	237	0.108	17	237	0.364	
18:00 - 19:00	17	237	0.229	17	237	0.129	17	237	0.358	
19:00 - 20:00										
20:00 - 21:00										
21:00 - 22:00										
22:00 - 23:00										

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.

1.569

1.554

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.

3.123

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL LGVS 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	17	237	0.013	17	237	0.022	17	237	0.035
08:00 - 09:00	17	237	0.015	17	237	0.022	17	237	0.037
09:00 - 10:00	17	237	0.021	17	237	0.020	17	237	0.041
10:00 - 11:00	17	237	0.018	17	237	0.017	17	237	0.035
11:00 - 12:00	17	237	0.014	17	237	0.019	17	237	0.033
12:00 - 13:00	17	237	0.021	17	237	0.016	17	237	0.037
13:00 - 14:00	17	237	0.018	17	237	0.021	17	237	0.039
14:00 - 15:00	17	237	0.018	17	237	0.017	17	237	0.035
15:00 - 16:00	17	237	0.020	17	237	0.019	17	237	0.039
16:00 - 17:00	17	237	0.020	17	237	0.018	17	237	0.038
17:00 - 18:00	17	237	0.027	17	237	0.015	17	237	0.042
18:00 - 19:00	17	237	0.016	17	237	0.015	17	237	0.031
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.221			0.221			0.442

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.

d Tuesday 02/02/21 Page 17

Licence No: 102301

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED MULTI - MODAL MOTOR CYCLES 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	17	237	0.000	17	237	0.002	17	237	0.002
08:00 - 09:00	17	237	0.000	17	237	0.002	17	237	0.002
09:00 - 10:00	17	237	0.000	17	237	0.001	17	237	0.001
10:00 - 11:00	17	237	0.000	17	237	0.000	17	237	0.000
11:00 - 12:00	17	237	0.000	17	237	0.001	17	237	0.001
12:00 - 13:00	17	237	0.000	17	237	0.000	17	237	0.000
13:00 - 14:00	17	237	0.001	17	237	0.001	17	237	0.002
14:00 - 15:00	17	237	0.002	17	237	0.001	17	237	0.003
15:00 - 16:00	17	237	0.001	17	237	0.001	17	237	0.002
16:00 - 17:00	17	237	0.002	17	237	0.002	17	237	0.004
17:00 - 18:00	17	237	0.002	17	237	0.001	17	237	0.003
18:00 - 19:00	17	237	0.001	17	237	0.001	17	237	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.009			0.013			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.



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