

Appendix E
TRICS Trip Rates

Table E.1 TRICS Trip Rates – All Vehicles

Land Use	TRICS Type	Sub Land Use	AM Peak		Inter Peak		PM Peak	
			Orig	Dest	Orig	Dest	Orig	Dest
Employment	BA	Office	0.1620	1.4540	0.2953	0.2747	1.1880	0.1350
	BC	Industrial Unit	0.0810	0.3140	0.1398	0.1257	0.2410	0.0360
	BD	Industrial Estate	0.2020	0.4450	0.2928	0.2748	0.3980	0.1210
	BF	Warehousing (commercial)	0.0710	0.1140	0.1163	0.1085	0.1270	0.0790
Retail	AA	Food Superstores	2.9250	4.2120	6.4833	6.4995	7.2090	6.9640
	AC	Discount Food Stores	0.5900	0.9360	4.2780	4.3187	4.0410	3.2700
	AH	Garden Centre	0.0540	0.3510	1.0407	1.0632	0.2700	0.1080
	AI	Shopping Centre (Local shops)	4.8280	5.1440	5.7160	5.6842	6.4010	6.1120
	AM	Mixed Shopping Malls	0.5630	0.8520	1.6022	1.6710	1.5630	1.4760
	AO	Convenience Stores	7.7670	6.9900	8.4463	8.5437	7.3790	7.3790
Housing	CA	Houses Privately Owned	0.4040	0.1520	0.1873	0.1995	0.2250	0.3810
	CB	Houses for Rent	0.2120	0.1200	0.1507	0.1565	0.1760	0.2470
	CC	Flats Privately Owned	0.2410	0.0760	0.0832	0.0823	0.1100	0.2130
	CD	Flats for Rent	0.1370	0.0680	0.0868	0.0803	0.0980	0.1390
	CL	Mixed Non-Private Housing	0.2390	0.0900	0.1398	0.1488	0.1630	0.2780
	CM	Mixed Private/Non-Private Housing	0.2590	0.1120	0.1158	0.1202	0.1410	0.2570
Bailrigg Business Park*	BB	Cambridge Science Park (BB)	0.0780	1.1910	0.2718	0.2618	0.9140	0.0860
Lawson's Quay*	LH	Housing (CM)	0.3720	0.2950	0.1859	0.2175	0.2700	0.3730
	LR	Retail (AI)	0.3180	0.5990	0.8725	0.9464	1.3960	1.2750
	LO	Office (BA)	0.0690	0.5600	0.1159	0.1103	0.4610	0.0780
Centros Miller*	MH	Housing (CL)	0.1960	0.0670	0.0915	0.0789	0.0670	0.1280
	MR	Retail Mixtures (AM)	0.0430	0.2150	0.5034	0.3531	0.6250	0.2770
	MO	Office (BA)	0.1930	0.4830	0.1479	0.1169	0.4830	0.1930

Table E.2 TRICS Trip Rates – Cars

Land Use	TRICS Type	Sub Land Use	AM Peak		Inter Peak		PM Peak	
			Orig	Dest	Orig	Dest	Orig	Dest
Employment	BA	Office	0.1341	1.2655	0.2536	0.2356	1.0706	0.1185
	BC	Industrial Unit	0.0482	0.2524	0.1069	0.0874	0.2125	0.0280
	BD	Industrial Estate	0.1770	0.3900	0.2573	0.2415	0.3599	0.1094
	BF	Warehousing (commercial)	0.0359	0.0710	0.0713	0.0618	0.0895	0.0452
Retail	AA	Food Superstores	2.5055	3.6343	5.6404	5.6572	6.4750	6.2535
	AC	Discount Food Stores	0.5048	0.8080	3.7342	3.7700	3.6539	2.9567
	AH	Garden Centre	0.0473	0.3076	0.9105	0.9302	0.2441	0.0977
	AI	Shopping Centre (Local shops)	4.1171	4.3879	4.9451	4.9231	5.7444	5.4894
	AM	Mixed Shopping Malls	0.4049	0.6757	1.3590	1.4166	1.3681	1.2803
	AO	Convenience Stores	6.1257	5.7857	7.1088	7.1943	6.4967	6.4967
Housing	CA	Houses Privately Owned	0.3497	0.1279	0.1601	0.1709	0.2007	0.3409
	CB	Houses for Rent	0.1744	0.0938	0.1277	0.1325	0.1582	0.2233
	CC	Flats Privately Owned	0.2103	0.0657	0.0712	0.0704	0.0995	0.1926
	CD	Flats for Rent	0.1183	0.0570	0.0745	0.0688	0.0877	0.1248
	CL	Mixed Non-Private Housing	0.2033	0.0727	0.1214	0.1293	0.1447	0.2487
	CM	Mixed Private/Non-Private Housing	0.2208	0.0938	0.0986	0.1025	0.1239	0.2297
Bailrigg Business Park*	BB	Cambridge Science Park (BB)	0.0640	1.0359	0.2298	0.2219	0.8237	0.0778
Lawson's Quay*	LH	Housing (CM)	0.3172	0.2470	0.1582	0.1856	0.2372	0.3333
	LR	Retail (AI)	0.2712	0.5110	0.7548	0.8196	1.2528	1.1451
	LO	Office (BA)	0.0571	0.4874	0.0996	0.0946	0.4154	0.0684
Centros Miller*	MH	Housing (CL)	0.1667	0.0541	0.0794	0.0685	0.0595	0.1145
	MR	Retail Mixtures (AM)	0.0309	0.1705	0.4270	0.2994	0.5470	0.2403
	MO	Office (BA)	0.1597	0.4204	0.1270	0.1002	0.4353	0.1693

Table E.3 TRICS Trip Rates – LGVs

Land Use	TRICS Type	Sub Land Use	AM Peak		Inter Peak		PM Peak	
			Orig	Dest	Orig	Dest	Orig	Dest
Employment	BA	Office	0.0189	0.1785	0.0350	0.0325	0.1134	0.0125
	BC	Industrial Unit	0.0068	0.0356	0.0148	0.0121	0.0225	0.0030
	BD	Industrial Estate	0.0250	0.0550	0.0355	0.0333	0.0381	0.0116
	BF	Warehousing (commercial)	0.0051	0.0100	0.0098	0.0085	0.0095	0.0048
Retail	AA	Food Superstores	0.3535	0.5127	0.7788	0.7811	0.6860	0.6625
	AC	Discount Food Stores	0.0712	0.1140	0.5156	0.5205	0.3871	0.3133
	AH	Garden Centre	0.0067	0.0434	0.1257	0.1284	0.0259	0.0103
	AI	Shopping Centre (Local shops)	0.5809	0.6191	0.6828	0.6797	0.6086	0.5816
	AM	Mixed Shopping Malls	0.0571	0.0953	0.1876	0.1956	0.1449	0.1357
	AO	Convenience Stores	0.8643	0.8163	0.9815	0.9933	0.6883	0.6883
Housing	CA	Houses Privately Owned	0.0493	0.0181	0.0221	0.0236	0.0213	0.0361
	CB	Houses for Rent	0.0246	0.0132	0.0176	0.0183	0.0168	0.0237
	CC	Flats Privately Owned	0.0297	0.0093	0.0098	0.0097	0.0105	0.0204
	CD	Flats for Rent	0.0167	0.0080	0.0103	0.0095	0.0093	0.0132
	CL	Mixed Non-Private Housing	0.0287	0.0103	0.0168	0.0179	0.0153	0.0263
	CM	Mixed Private/Non-Private Housing	0.0312	0.0132	0.0136	0.0142	0.0131	0.0243
Bailrigg Business Park*	BB	Cambridge Science Park (BB)	0.0090	0.1461	0.0317	0.0306	0.0873	0.0082
Lawson's Quay*	LH	Housing (CM)	0.0448	0.0348	0.0218	0.0256	0.0251	0.0353
	LR	Retail (AI)	0.0383	0.0721	0.1042	0.1132	0.1327	0.1213
	LO	Office (BA)	0.0081	0.0688	0.0137	0.0131	0.0440	0.0073
Centros Miller*	MH	Housing (CL)	0.0235	0.0076	0.0110	0.0095	0.0063	0.0121
	MR	Retail Mixtures (AM)	0.0044	0.0241	0.0590	0.0413	0.0580	0.0255
	MO	Office (BA)	0.0225	0.0593	0.0175	0.0138	0.0461	0.0179

Table E.4 TRICS Trip Rates – HGVs

Land Use	TRICS Type	Sub Land Use	AM Peak		Inter Peak		PM Peak	
			Orig	Dest	Orig	Dest	Orig	Dest
Employment	BA	Office	0.0090	0.0100	0.0067	0.0065	0.0040	0.0040
	BC	Industrial Unit	0.0260	0.0260	0.0182	0.0262	0.0060	0.0050
	BD	Industrial Estate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	BF	Warehousing (commercial)	0.0300	0.0330	0.0352	0.0382	0.0280	0.0290
Retail	AA	Food Superstores	0.0660	0.0650	0.0642	0.0612	0.0480	0.0480
	AC	Discount Food Stores	0.0140	0.0140	0.0282	0.0282	0.0000	0.0000
	AH	Garden Centre	0.0000	0.0000	0.0045	0.0045	0.0000	0.0000
	AI	Shopping Centre (Local shops)	0.1300	0.1370	0.0882	0.0813	0.0480	0.0410
	AM	Mixed Shopping Malls	0.1010	0.0810	0.0555	0.0588	0.0500	0.0600
	AO	Convenience Stores	0.7770	0.3880	0.3560	0.3560	0.1940	0.1940
Housing	CA	Houses Privately Owned	0.0050	0.0060	0.0052	0.0050	0.0030	0.0040
	CB	Houses for Rent	0.0130	0.0130	0.0053	0.0057	0.0010	0.0000
	CC	Flats Privately Owned	0.0010	0.0010	0.0022	0.0022	0.0000	0.0000
	CD	Flats for Rent	0.0020	0.0030	0.0020	0.0020	0.0010	0.0010
	CL	Mixed Non-Private Housing	0.0070	0.0070	0.0017	0.0017	0.0030	0.0030
	CM	Mixed Private/Non-Private Housing	0.0070	0.0050	0.0037	0.0035	0.0040	0.0030
Bailrigg Business Park*	BB	Cambridge Science Park (BB)	0.0050	0.0090	0.0103	0.0093	0.0030	0.0000
Lawson's Quay*	LH	Housing (CM)	0.0101	0.0132	0.0059	0.0063	0.0077	0.0044
	LR	Retail (AI)	0.0086	0.0160	0.0135	0.0135	0.0105	0.0086
	LO	Office (BA)	0.0038	0.0039	0.0026	0.0026	0.0016	0.0023
Centros Miller*	MH	Housing (CL)	0.0057	0.0052	0.0011	0.0009	0.0012	0.0014
	MR	Retail Mixtures (AM)	0.0077	0.0204	0.0174	0.0124	0.0200	0.0113
	MO	Office (BA)	0.0107	0.0033	0.0033	0.0028	0.0016	0.0057

Notes:

1. The trip rates for Employment, Retail, Residential, and Education presented in the tables above were calculated from TRICS 2010a which took into account the locations, and the size of the development sites.
- * For Bailrigg Science Park, Lawson's Quay, and Centros Miller Developments, trip rates were extracted directly from Transport Assessment documents which were provided by LCC.