

Appendix 1

Extracts from the TRICS trip generation database

- Residential
 - Hotel
- Primary School
- Nursing Home
 - Retail
- Commercial (office)

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
Category : M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL TOTAL PEOPLE

Selected regions and areas:

02 SOUTH EAST		
HF	HERTFORDSHIRE	1 days
WS	WEST SUSSEX	1 days
07 YORKSHIRE & NORTH LINCOLNSHIRE		
NY	NORTH YORKSHIRE	1 days
11 SCOTLAND		
FA	FALKIRK	1 days

Main parameter selection:

Parameter: Number of households
Range: 138 to 1412 (units:)

Date Range: 01/01/00 to 15/11/07

Selected survey days:

Monday	1 days
Tuesday	1 days
Wednesday	1 days
Thursday	1 days

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	3

Selected Location Sub Categories:

Residential Zone	2
No Sub Category	2

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL TOTAL PEOPLE

Calculation factor: **1 HHOLDS**

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.073	109.406	4	497	0.279	418.008	4	497	0.352	527.414
08:00 - 09:00	4	497	0.128	191.650	4	497	0.509	762.827	4	497	0.637	954.477
09:00 - 10:00	4	497	0.129	193.159	4	497	0.183	273.893	4	497	0.312	467.052
10:00 - 11:00	4	497	0.113	169.014	4	497	0.149	223.340	4	497	0.262	392.354
11:00 - 12:00	4	497	0.153	229.376	4	497	0.158	236.922	4	497	0.311	466.298
12:00 - 13:00	4	497	0.174	260.312	4	497	0.149	224.095	4	497	0.323	484.407
13:00 - 14:00	4	497	0.168	252.012	4	497	0.139	209.004	4	497	0.307	461.016
14:00 - 15:00	4	497	0.148	222.586	4	497	0.150	224.849	4	497	0.298	447.435
15:00 - 16:00	4	497	0.344	516.097	4	497	0.179	267.857	4	497	0.523	783.954
16:00 - 17:00	4	497	0.318	476.861	4	497	0.201	301.056	4	497	0.519	777.917
17:00 - 18:00	4	497	0.375	562.123	4	497	0.199	298.793	4	497	0.574	860.916
18:00 - 19:00	4	497	0.286	428.571	4	497	0.192	288.229	4	497	0.478	716.800
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			2.409	3611.167			2.487	3728.873			4.896	7340.040

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 1 HHOLDS

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.063	95.070	4	497	0.229	344.064	4	497	0.292	439.134
08:00 - 09:00	4	497	0.115	172.787	4	497	0.347	520.624	4	497	0.462	693.411
09:00 - 10:00	4	497	0.099	147.887	4	497	0.133	199.950	4	497	0.232	347.837
10:00 - 11:00	4	497	0.094	141.097	4	497	0.121	181.087	4	497	0.215	322.184
11:00 - 12:00	4	497	0.129	193.913	4	497	0.114	171.278	4	497	0.243	365.191
12:00 - 13:00	4	497	0.132	197.686	4	497	0.113	169.769	4	497	0.245	367.455
13:00 - 14:00	4	497	0.129	193.913	4	497	0.119	178.068	4	497	0.248	371.981
14:00 - 15:00	4	497	0.126	189.386	4	497	0.125	187.877	4	497	0.251	377.263
15:00 - 16:00	4	497	0.244	365.946	4	497	0.150	225.604	4	497	0.394	591.550
16:00 - 17:00	4	497	0.245	368.209	4	497	0.166	249.748	4	497	0.411	617.957
17:00 - 18:00	4	497	0.292	438.380	4	497	0.165	247.485	4	497	0.457	685.865
18:00 - 19:00	4	497	0.231	346.328	4	497	0.168	251.258	4	497	0.399	597.586
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			1.899	2850.602			1.950	2926.812			3.849	5777.414

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 1 HHOLDS

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.001	0.755	4	497	0.007	10.563	4	497	0.008	11.318
08:00 - 09:00	4	497	0.000	0.000	4	497	0.023	33.954	4	497	0.023	33.954
09:00 - 10:00	4	497	0.002	2.264	4	497	0.010	15.091	4	497	0.012	17.355
10:00 - 11:00	4	497	0.000	0.000	4	497	0.004	6.036	4	497	0.004	6.036
11:00 - 12:00	4	497	0.004	5.282	4	497	0.007	9.809	4	497	0.011	15.091
12:00 - 13:00	4	497	0.003	3.773	4	497	0.007	9.809	4	497	0.010	13.582
13:00 - 14:00	4	497	0.008	12.072	4	497	0.004	5.282	4	497	0.012	17.354
14:00 - 15:00	4	497	0.002	3.018	4	497	0.001	1.509	4	497	0.003	4.527
15:00 - 16:00	4	497	0.020	30.181	4	497	0.003	4.527	4	497	0.023	34.708
16:00 - 17:00	4	497	0.005	7.545	4	497	0.001	1.509	4	497	0.006	9.054
17:00 - 18:00	4	497	0.004	5.282	4	497	0.002	3.018	4	497	0.006	8.300
18:00 - 19:00	4	497	0.003	4.527	4	497	0.001	1.509	4	497	0.004	6.036
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			0.052	74.699			0.070	102.616			0.122	177.315

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL PEDESTRIANS

Calculation factor: 1 HHOLDS

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.006	9.054	4	497	0.030	44.517	4	497	0.036	53.571
08:00 - 09:00	4	497	0.009	13.581	4	497	0.114	171.278	4	497	0.123	184.859
09:00 - 10:00	4	497	0.026	39.235	4	497	0.028	41.499	4	497	0.054	80.734
10:00 - 11:00	4	497	0.013	19.618	4	497	0.020	30.181	4	497	0.033	49.799
11:00 - 12:00	4	497	0.018	26.408	4	497	0.032	47.535	4	497	0.050	73.943
12:00 - 13:00	4	497	0.029	43.763	4	497	0.021	30.936	4	497	0.050	74.699
13:00 - 14:00	4	497	0.025	36.972	4	497	0.014	21.127	4	497	0.039	58.099
14:00 - 15:00	4	497	0.015	22.636	4	497	0.019	28.672	4	497	0.034	51.308
15:00 - 16:00	4	497	0.070	105.634	4	497	0.019	27.918	4	497	0.089	133.552
16:00 - 17:00	4	497	0.055	82.998	4	497	0.025	37.726	4	497	0.080	120.724
17:00 - 18:00	4	497	0.053	79.225	4	497	0.022	33.199	4	497	0.075	112.424
18:00 - 19:00	4	497	0.037	55.080	4	497	0.017	25.654	4	497	0.054	80.734
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			0.356	534.204			0.361	540.242			0.717	1074.446

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL CYCLISTS

Calculation factor: 1 HHOLDS

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.003	4.527	4	497	0.013	18.863	4	497	0.016	23.390
08:00 - 09:00	4	497	0.004	5.282	4	497	0.025	36.972	4	497	0.029	42.254
09:00 - 10:00	4	497	0.003	3.773	4	497	0.012	17.354	4	497	0.015	21.127
10:00 - 11:00	4	497	0.006	8.300	4	497	0.004	6.036	4	497	0.010	14.336
11:00 - 12:00	4	497	0.003	3.773	4	497	0.006	8.300	4	497	0.009	12.073
12:00 - 13:00	4	497	0.010	15.091	4	497	0.009	13.581	4	497	0.019	28.672
13:00 - 14:00	4	497	0.006	9.054	4	497	0.003	4.527	4	497	0.009	13.581
14:00 - 15:00	4	497	0.005	7.545	4	497	0.005	6.791	4	497	0.010	14.336
15:00 - 16:00	4	497	0.010	14.336	4	497	0.007	9.809	4	497	0.017	24.145
16:00 - 17:00	4	497	0.012	18.109	4	497	0.008	12.072	4	497	0.020	30.181
17:00 - 18:00	4	497	0.026	39.235	4	497	0.010	15.091	4	497	0.036	54.326
18:00 - 19:00	4	497	0.015	22.636	4	497	0.007	9.809	4	497	0.022	32.445
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			0.103	151.661			0.109	159.205			0.212	310.866

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
Category : M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL VEHICLES

Selected regions and areas:

02 SOUTH EAST		
HF	HERTFORDSHIRE	1 days
WS	WEST SUSSEX	1 days
07 YORKSHIRE & NORTH LINCOLNSHIRE		
NY	NORTH YORKSHIRE	1 days
11 SCOTLAND		
FA	FALKIRK	1 days

Main parameter selection:

Parameter: Number of households
Range: 138 to 1412 (units:)

Date Range: 01/01/00 to 15/11/07

Selected survey days:

Monday	1 days
Tuesday	1 days
Wednesday	1 days
Thursday	1 days

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	3

Selected Location Sub Categories:

Residential Zone	2
No Sub Category	2

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/NON-PRIVATE HOUSING

MULTI-MODAL VEHICLES

Calculation factor: **1 HHOLDS**

Estimated TRIP rate value per 1500 HHOLDS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate	No. Days	Ave. HHOLDS	Trip Rate	Estimated Trip Rate
00:00 - 01:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
01:00 - 02:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
02:00 - 03:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
03:00 - 04:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
04:00 - 05:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
05:00 - 06:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
06:00 - 07:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
07:00 - 08:00	4	497	0.045	67.907	4	497	0.159	239.185	4	497	0.204	307.092
08:00 - 09:00	4	497	0.086	129.024	4	497	0.216	323.692	4	497	0.302	452.716
09:00 - 10:00	4	497	0.074	110.915	4	497	0.097	145.624	4	497	0.171	256.539
10:00 - 11:00	4	497	0.068	102.616	4	497	0.091	136.569	4	497	0.159	239.185
11:00 - 12:00	4	497	0.095	142.606	4	497	0.087	130.533	4	497	0.182	273.139
12:00 - 13:00	4	497	0.100	149.396	4	497	0.088	132.042	4	497	0.188	281.438
13:00 - 14:00	4	497	0.093	138.833	4	497	0.095	142.606	4	497	0.188	281.439
14:00 - 15:00	4	497	0.092	138.078	4	497	0.097	144.869	4	497	0.189	282.947
15:00 - 16:00	4	497	0.140	210.513	4	497	0.105	157.696	4	497	0.245	368.209
16:00 - 17:00	4	497	0.163	245.221	4	497	0.116	173.541	4	497	0.279	418.762
17:00 - 18:00	4	497	0.208	311.620	4	497	0.111	165.996	4	497	0.319	477.616
18:00 - 19:00	4	497	0.160	240.694	4	497	0.119	178.068	4	497	0.279	418.762
19:00 - 20:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
20:00 - 21:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
21:00 - 22:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
22:00 - 23:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
23:00 - 24:00	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000
Total Rates:			1.324	1987.423			1.381	2070.421			2.705	4057.844

Parameter summary

Trip rate parameter range selected: 138 - 1412 (units:)
 Survey date range: 01/01/00 - 15/11/07
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 0
 Number of Sundays: 0
 Optional parameters used in selection: NO
 Surveys manually removed from selection: 0

Modal Split Percentages

