

Appendix EE

Scenario 2: RTA Calculations

Lower Slopes

Origin	Weston Farm Lane, Bath		50/60/70 mph		30/40 mph
	Trip Dist (km)	Veh km/year	D2 Roads	S2 Roads	D2/S2 Roads
			0.100	0.146	0.245
Destinations					
Bath	3.99	1,187,537			100%
Keynsham	12.72	107,542	35%	15%	50%
Bristol	18.64	945,308	20%	20%	60%
South Glos	18.67	883,613	50%	20%	30%
		3,124,000	0.0666	0.0558	0.5085
					0.6309

am/pm to daily flow factor

4.63

Ensleigh Lansdown

Origin	Granville Road, Bath		50/60/70 mph		30/40 mph
	Trip Dist (km)	Veh km/year	D2 Roads	S2 Roads	D2/S2 Roads
Destinations			0.100	0.146	0.245
Bath	4.23	336,038			100%
Keynsham	14.01	0	35%	15%	50%
Bristol	23.34	512,910	20%	20%	60%
South Glos	23.37	434,521	50%	20%	30%
		1,283,469	0.0319	0.0277	0.1898
					0.2494

am/pm to daily flow factor

4.63

East of Keynsham

Origin	Copse Road, Keynsham		50/60/70 mph		30/40 mph
	Trip Dist (km)	Veh km/year	D2 Roads	S2 Roads	D2/S2 Roads
Destinations			0.100	0.146	0.245
Bath	9.32	1,827,203	35%	15%	50%
Keynsham	3.47	1,009,627			100%
Bristol	10.60	5,431,043			100%
South Glos	10.63	2,641,821	90%		10%
		10,909,694	0.3007	0.0400	1.8683
					2.2090

am/pm to daily flow factor
4.63

South of K2

Origin	Parkhouse Lane, Keynsham		50/60/70 mph		30/40 mph
	Trip Dist (km)	Veh km/year	D2 Roads	S2 Roads	D2/S2 Roads
Destinations			0.100	0.146	0.245
Bath	15.49	1,440,532	35%	15%	50%
Keynsham	2.31	467,836			100%
Bristol	10.66	2,992,542			100%
South Glos	10.69	1,337,528	90%		10%
		6,238,438	0.1702	0.0316	1.0580
					1.2598

am/pm to daily flow factor
4.63

Whitchurch

Origin	Norton Lane, Whitchurch, Bristol		50/60/70 mph		30/40 mph
	Trip Dist (km)	Veh km/year	D2 Roads	S2 Roads	D2/S2 Roads
			0.100	0.146	0.245
Destinations					
Bath	23.44	0	15%	25%	60%
Keynsham	7.45	0		70%	30%
Bristol	9.54	0			100%
South Glos	9.57	0	55%		45%
		0	0.0000	0.0000	0.0000
					0.0000

am/pm to daily flow factor
4.63