

Appendix FF

Scenario 3: 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
Destinations					0.100
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
			0.100	0.146	0.245
Destinations					
Bath	9.32	787,588	35%	15%	50%
Keynsham	3.47	422,635			100%
Bristol	10.60	2,312,226			100%
South Glos	10.63	1,114,237	90%		10%
		4,636,686	0.1274	0.0173	0.7946
					0.9392

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	1,625,056	15%	25%	60%
Keynsham	7.45	755,313		70%	30%
Bristol	9.54	8,195,990			100%
South Glos	9.57	1,375,400	55%		45%
		11,951,760	0.0997	0.1365	2.4564
					2.6926

am/pm to daily flow factor

4.63