

Appendix DD

Scenario 1: 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

Odd Down

Origin	Burnt House 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	5.19	1,507,752			100%
Keynsham	13.03	66,077	35%	15%	50%
Bristol	20.16	647,521	20%	20%	60%
South Glos	20.19	580,166	60%	22%	18%
		2,801,516	0.0499	0.0390	0.4987
					0.5876

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

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	628,596	35%	15%	50%
Keynsham	2.31	210,526			100%
Bristol	10.66	1,334,025			100%
South Glos	10.69	614,540	90%		10%
		2,787,687	0.0771	0.0138	0.4709
					0.5617

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	435,991	15%	25%	60%
Keynsham	7.45	188,828		70%	30%
Bristol	9.54	2,129,667			100%
South Glos	9.57	355,986	55%		45%
		3,110,472	0.0260	0.0352	0.6396
					0.7008

am/pm to daily flow factor
4.63