

Appendix Y

Scenario 2: Trip Generation

Lower Slopes

Base Trips		AM		PM		
		In	Out	In	Out	
Private Residences	195	29	92	87	49	
Affordable Housing	105	7	25	32	19	
Total Resi	300	36	117	119	68	Includes trips to school
Primary School (Pupils - estimated)	220	87	60	4	6	
Primary school staff trips		27	0	4	6	Difference between Arr/dept
Number of "pupil vehicle trips"		60	60	0	0	Gen. from on/off-site
Number of pupil trips originating onsite	41%	25	25	0	0	All originate onsite
Number of pupil trips originating offsite	59%	35	35	0	0	All to/from offsite
Of the onsite trips, 60% stay onsite	60%	15	15	0	0	Discount from residential (never enter/exit site)
Offsite school trips are therefore:		62	35	4	6	Trips entering/existing site
Undiscounted residential trips		36	117	119	68	
Discount for internal capture to/from school		15	15	0	0	Trips which leave home but not site
Resulting Residential offsite trips		21	102	119	68	Discounted Resi
Total Resi/School Trips		84	138	123	74	

Normalise Mode Share to Ward	TRICS	Ward 2011	Factor
Vehicle Occupants	79.10%		
Driver, M'cycle, taxi	71.70%	53%	74%
Pax	7.40%	5%	65%
Public Transport	2.20%	13%	576%
Cyclists	1.90%	5%	257%
Pedestrians	16.80%	23%	140%
Work at home	0%		
Other	0%	1%	
	100.00%	100.00%	

Impact of Modal Shift (to account for behaviour typical of ward)

Car Factor	74.46%				Normalise to BANES ward behaviour
Total School/Resi Trips		62	103	92	55 Resulting resi/school trips

Employment					
Industrial Estate	0	0	0	0	0 Employment trips
Business Park	0	0	0	0	0
Total Industrial	0	0	0	0	0

Internal Capture	0.1				
Reduction in Employment trips		0	0	0	0

Revised Employment trips		0	0	0	0
Revised Residential trips		62	103	92	55
Total trips (employment, school, residential)		62	103	92	55 Trips Offsite

Ward

Weston

Distribution of trips		AM		PM	
		In	Out	In	Out
Bath	57%	35	58	52	31
Keynsham	2%	1	2	1	1
Midsomer Norton, Radstock, Westfield	2%	1	2	2	1
Other BANES	6%	4	6	5	3
Bristol	9%	6	10	9	5
South Glos	9%	6	9	8	5
Somerset	1%	1	1	1	0
Wiltshire	6%	4	7	6	4
Other	9%	6	9	8	5
	100%	64	104	92	55

Trips by other modes	% of Car	AM		PM	
		In	Out	In	Out
Public Transport	24%	15	25	22	13
Cyclists	9%	6	9	8	5
Pedestrians	44%	27	45	40	24

Enseleigh Lansdown

Base Trips	AM		PM		Out	
	In	Out	In	Out		
Private Residences	72	11	34	32	18	
Affordable Housing	48	3	11	14	9	
Total Resi	120	14	45	46	27	Includes trips to school
Primary School (Pupils - estimated)	0	0	0	0	0	
Primary school staff trips		0	0	0	0	0 Difference between Arr/dept
Number of "pupil vehicle trips"		0	0	0	0	0 Gen. from on/off-site
Number of pupil trips originating onsite	0%	0	0	0	0	0 All originate onsite
Number of pupil trips originating offsite	100%	0	0	0	0	0 All to/from offsite
Of the onsite trips, 60% stay onsite	60%	0	0	0	0	0 Discount from residential (never enter/exit site)
Offsite school trips are therefore:		0	0	0	0	0 Trips entering/existing site
Undiscounted residential trips		14	45	46	27	
Discount for internal capture to/from school		0	0	0	0	0 Trips which leave home but not site
Resulting Residential offsite trips		14	45	46	27	Discounted Resi
Total Resi/School Trips		14	45	46	27	

Normalise Mode Share to Ward	TRICS	Ward 2011	Factor
Vehicle Occupants	79.10%		
Driver, M/cycle, taxi	71.70%	61%	85%
Pax	7.40%	7%	91%
Public Transport	2.20%	17%	757%
Cyclists	1.90%	3%	137%
Pedestrians	16.80%	13%	76%
Work at home	0%		
Other	0%	0%	
	100.00%	100.00%	

Based on Odd Down

Impact of Modal Shift (to account for behaviour typical of ward)
 Car Factor 84.72% Normalise to BANES ward behaviour
 Total School/Resi Trips 12 38 39 23 Resulting resi/school trips

Employment					
Industrial Estate	0	0	0	0	0 Employment trips
Business Park	0	0	0	0	0
Total Industrial	0	0	0	0	0

Internal Capture	0.1					
Reduction in Employment trips		0	0	0	0	
Revised Employment trips		0	0	0	0	
Revised Residential trips		12	38	39	23	
Total trips (employment, school, residential)		12	38	39	23	Trips Offsite

Ward	Lansdown	AM		PM	
		In	Out	In	Out
Distribution of trips					
Bath	42%	5	16	16	10
Keynsham	1%	0	0	0	0
Midsomer Norton, Radstock, Westfield	2%	0	1	1	0
Other BANES	5%	1	2	2	1
Bristol	12%	1	4	5	3
South Glos	10%	1	4	4	2
Somerset	1%	0	1	1	0
Wiltshire	13%	2	5	5	3
Other	15%	2	6	6	3
	100%	12	39	40	22

Trips by other modes	% of Car	AM		PM	
		In	Out	In	Out
Public Transport	27%	3	11	11	6
Cyclists	4%	1	2	2	1
Pedestrians	21%	3	8	8	5

East of Keynsham

Base Trips		AM		PM		
		In	Out	In	Out	
Private Residences	325	49	153	145	82	
Affordable Housing	175	12	41	53	32	
Total Resi	500	61	194	198	114	Includes trips to school
Primary School (Pupils - estimated)	220	87	60	4	6	
Primary school staff trips		27	0	4	6	Difference between Arr/dept
Number of "pupil vehicle trips"		60	60	0	0	Gen. from on/off-site
Number of pupil trips originating onsite	68%	41	41	0	0	All originate onsite
Number of pupil trips originating offsite	32%	19	19	0	0	All to/from offsite
Of the onsite trips, 60% stay onsite	60%	25	25	0	0	Discount from residential (never enter/exit site)
Offsite school trips are therefore:		46	19	4	6	Trips entering/existing site
Undiscounted residential trips		61	194	198	114	
Discount for internal capture to/from school		25	25	0	0	Trips which leave home but not site
Resulting Residential offsite trips		36	169	198	114	Discounted Resi
Total Resi/School Trips		83	189	202	120	

Normalise Mode Share to Ward		TRICS	Ward 2011	Factor
Vehicle Occupants		79.10%		
Driver, M'cycle, taxi		71.70%	72%	100%
Pax		7.40%	4%	56%
Public Transport		2.20%	12%	529%
Cyclists		1.90%	3%	145%
Pedestrians		16.80%	9%	54%
Work at home		0%		
Other		0%	0%	
		100.00%	100.00%	

Impact of Modal Shift (to account for behaviour typical of ward)				
Car Factor	100.35%			Normalise to BANES ward behaviour
Total School/Resi Trips		83	189	203
				120 Resulting resi/school trips

Employment					
Industrial Estate	25000	154	75	33	121
Business Park	0	0	0	0	0
Total Industrial		154	75	33	121

Internal Capture	10%				
Reduction in Employment trips		15	8	3	12

Revised Employment trips		139	68	30	109
Revised Residential trips		76	174	191	117

Total trips (employment, school, residential) 214 241 221 226 Trips Offsite

Ward

Keynsham East

Distribution of trips		AM		PM	
		In	Out	In	Out
Bath	13%	28	31	28	29
Keynsham	19%	41	46	42	43
Midsomer Norton, Radstock, Westfield	1%	2	3	3	3
Other BANES	6%	13	14	13	13
Bristol	34%	72	81	74	76
South Glos	16%	35	39	36	37
Somerset	2%	3	4	3	4
Wiltshire	1%	3	3	3	3
Other	8%	17	19	18	18
	100%	214	240	220	226

Trips by other modes	% of Car	AM		PM	
		In	Out	In	Out
Public Transport	16%	35	39	36	37
Cyclists	4%	8	9	8	9
Pedestrians	13%	27	30	28	28

South of K2

		AM		PM	
Base Trips		In	Out	In	Out
Private Residences	292	44	138	130	73
Affordable Housing	158	11	37	48	29
Total Resi	450	55	175	178	102 Includes trips to school
Primary School (Pupils - estimated)	0	0	0	0	0
Primary school staff trips		0	0	0	0 Difference between Arr/dept
Number of "pupil vehicle trips"		0	0	0	0 Gen. from on/off-site
Number of pupil trips originating onsite	0%	0	0	0	0 All originate onsite
Number of pupil trips originating offsite	100%	0	0	0	0 All to/from offsite
Of the onsite trips, 60% stay onsite	60%	0	0	0	0 Discount from residential (never enter/exit site)
Offsite school trips are therefore:		0	0	0	0 Trips entering/existing site
Undiscounted residential trips		55	175	178	102
Discount for internal capture to/from school		0	0	0	0 Trips which leave home but not site
Resulting Residential offsite trips		55	175	178	102 Discounted Resi
Total Resi/School Trips		55	175	178	102

Normalise Mode Share to Ward		TRICS	Ward 2011	Factor
Vehicle Occupants		79.10%		
Driver, M/cycle, taxi		71.70%	68%	94%
Pax		7.40%	6%	75%
Public Transport		2.20%	12%	533%
Cyclists		1.90%	2%	124%
Pedestrians		16.80%	12%	74%
Work at home		0%		
Other		0%	0%	
		100.00%	100.00%	

Impact of Modal Shift (to account for behaviour typical of ward)

Car Factor	94.46%				Normalise to BANES ward behaviour
Total School/Resi Trips		52	165	168	96 Resulting resi/school trips
Employment					
Industrial Estate	0	0	0	0	0 Employment trips
Business Park	0	0	0	0	0
Total Industrial		0	0	0	
Internal Capture	0.1				
Reduction in Employment trips		0	0	0	0
Revised Employment trips		0	0	0	0
Revised Residential trips		52	165	168	96
Total trips (employment, school, residential)		52	165	168	96 Trips Offsite

Ward

Keynsham South

Distribution of trips		AM		PM	
		In	Out	In	Out
Bath	11%	6	19	19	11
Keynsham	25%	13	41	42	24
Midsomer Norton, Radstock, Westfield	1%	1	2	2	1
Other BANES	4%	2	7	7	4
Bristol	34%	18	57	58	33
South Glos	15%	8	25	26	15
Somerset	1%	1	2	2	1
Wiltshire	2%	1	3	3	1
Other	6%	3	10	11	6
	100%	53	166	170	96

Trips by other modes	% of Car	AM		PM	
		In	Out	In	Out
Public Transport	17%	9	29	29	17
Cyclists	3%	2	6	6	3
Pedestrians	18%	9	30	31	18

Whitchurch

Base Trips	AM		PM		Out
	In	Out	In	Out	
Private Residences	0	0	0	0	0
Affordable Housing	0	0	0	0	0
Total Resi	0	0	0	0	0 Includes trips to school
Primary School (Pupils - estimated)	0	0	0	0	0
Primary school staff trips	0	0	0	0	0 Difference between Arr/dept
Number of "pupil vehicle trips"	0	0	0	0	0 Gen. from on/off-site
Number of pupil trips originating onsite	0%	0	0	0	0 All originate onsite
Number of pupil trips originating offsite	100%	0	0	0	0 All to/from offsite
Of the onsite trips, 60% stay onsite	60%	0	0	0	0 Discount from residential (never enter/exit site)
Offsite school trips are therefore:	0	0	0	0	0 Trips entering/existing site
Undiscounted residential trips	0	0	0	0	0
Discount for internal capture to/from school	0	0	0	0	0 Trips which leave home but not site
Resulting Residential offsite trips	0	0	0	0	0 Discounted Resi
Total Resi/School Trips	0	0	0	0	0

Normalise Mode Share to Ward	TRICS	Ward 2011	Factor
Vehicle Occupants	79.10%		
Driver, M/cycle, taxi	71.70%	81%	112%
Pax	7.40%	5%	63%
Public Transport	2.20%	7%	335%
Cyclists	1.90%	1%	62%
Pedestrians	16.80%	6%	34%
Work at home	0%		
Other	0%	1%	
	100.00%	100.00%	

Impact of Modal Shift (to account for behaviour typical of ward)

Car Factor	112.45%				Normalise to BANES ward behaviour
Total School/Resi Trips	0	0	0	0	0 Resulting resi/school trips

Employment					
Industrial Estate	0	0	0	0	0 Employment trips
Business Park	0	0	0	0	0
Total Industrial	0	0	0	0	0

Internal Capture	0				
Reduction in Employment trips	0	0	0	0	0

Revised Employment trips	0	0	0	0	0
Revised Residential trips	0	0	0	0	0

Total trips (employment, school, residential) 0 0 0 0 Trips Offsite

Ward

Publow and Whitchurch

Distribution of trips		AM		PM	
		In	Out	In	Out
Bath	4%	0	0	0	0
Keynsham	6%	0	0	0	0
Midsomer Norton, Radstock, Westfield	2%	0	0	0	0
Other BANES	16%	0	0	0	0
Bristol	52%	0	0	0	0
South Glos	9%	0	0	0	0
Somerset	1%	0	0	0	0
Wiltshire	2%	0	0	0	0
Other	9%	0	0	0	0
	100%	0	0	0	0

Trips by other modes	% of Car	AM		PM	
		In	Out	In	Out
Public Transport	9%	0	0	0	0
Cyclists	1%	0	0	0	0
Pedestrians	7%	0	0	0	0