Appendix Y

Scenario 2: Trip Generation

Lo	wer	SI	or	es

		AM		PM	
Base Trips		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	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%
Total School/Resi Trips Normalise to BANES ward behaviour 55 Resulting resi/school trips Employment Industrial Estate Business Park Total Industrial 0 Employment trips Internal Capture Reduction in Employment trips 0.1 Revised Employment trips Revised Residential trips Total trips (employment, so Trips Offsite

Ward	Weston
------	--------

		AM		PM	
Distribution of trips		ln	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

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

Ensleigh	Lansdown
----------	----------

		AM		PM	
Base Trips		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	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		14	45	46	27
Discount for internal capture to/from school		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 behaviou
Total School/Resi Trips		12	38	39	23 Resulting resi/school trips
Employment					
Industrial Estate	0	0	0	0	Employment trips
Business Park	0	0	0	0	0
Total Industrial		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 Lans	sdown
-----------	-------

		AM		PM	
Distribution of trips		In	Out	ln	Out
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

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

Fast	ωf	Kevn	sham

		AM		PM	
Base Trips		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	1	RICS	Ward 2011	Factor
Vehicle Occupants	79	9.10%		
Driver, M'cycle, taxi	7	1.70%	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	0.00%	100.00%	

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

impact of wodar offit (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 Employment trips
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

Vard	Keynsham Eas
•ui u	rtcynonam Lao

		AM		PM	
Distribution of trips		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

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

South o	f K2
---------	------

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	South of K2					
Private Residences			AM		PM	
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 0 0 Difference between Arr/dept 0 0 0 0 Difference between Arr/dept 0 0 0 0 0 Difference between Arr/dept 0 0 0 0 0 Difference between Arr/dept 0 <	Base Trips		In	Out	In	Out
Total Resi	Private Residences	292	44	138	130	73
Primary School (Pupils - estimated) 0 0 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 All originate onsite Number of pupil trips originating offsite 100% 0 0 0 All originate onsite Of the onsite trips, 60% stay onsite 60% 0 0 0 All originate onsite Offsite school trips are therefore: 0 0 0 0 0 Discount from residential (never enter/exit 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	Affordable Housing	158	11	37	48	29
Primary school staff trips 0 0 0 0 0 Difference between Arr/dept Number of "pupil vehicle trips" 0 0 0 0 0 0 Gen. from on/off-site Number of pupil trips originating onsite Number of pupil trips originating offsite 100% 0 0 0 0 All originate onsite Number of pupil trips originating offsite 100% 0 0 0 0 All to/from offsite Off 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 Trips which leave home but not site Resulting Residential offsite trips 55 175 178 102 Discounted Resi	Total Resi	450	55	175	178	102 Includes trips to school
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 All to/from offsite Of the onsite trips, 60% stay onsite 06% 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 Trips which leave home but not site Resulting Residential offsite trips 55 175 178 102 Discounted Resi	Primary School (Pupils - estimated)	0	0	0	0	0
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 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 residential offsite trips 55 175 178 102 Discounted Residential offsite trips 55 175 178 102 Discounted Residential offsite trips 55 175 178 102	Primary school staff trips		0	0	0	Difference between Arr/dept
Number of pupil trips originating offsite 100% 0 0 0 0 0 All to/from offsite Off 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 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 residential offsite trips 55 175 178 102 Discounted Residential offsite trips 55 175 178 102 Discounted Residential offsite trips 55 175 178 102	Number of "pupil vehicle trips"		0	0	0	0 Gen. from on/off-site
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 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	Number of pupil trips originating onsite	0%	0	0	0	0 All originate onsite
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	Number of pupil trips originating offsite	100%	0	0	0	0 All to/from offsite
Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips 55 175 178 102 Trips which leave home but not site 55 175 178 102 Discounted Resi	Of the onsite trips, 60% stay onsite	60%	0	0	0	 0 Discount from residential (never enter/exit site)
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	Offsite school trips are therefore:		0	0	0	0 Trips entering/existing site
Resulting Residential offsite trips 55 175 178 102 Discounted Resi	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 1/5 1/8 102	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	0
Internal Capture	0.1				
Reduction in Employment trips	0.1	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

		AM		PM	
Distribution of trips		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

		AM		PM	
Trips by other modes	% of Car	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 Private Residences Affordable Housing Total Resi Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips Total Resi/School Trips	0 0 0 0 0 100% 60%	AM In 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Out 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PM In 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Out 0 0 0 Includes trips to school 0 Difference between Arr/dept 0 Gen. from on/off-site
Private Residences Affordable Housing Total Resi Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0 0 0 0 0% 100%	0 0 0 0	0 0 0 0 0	0 0 0	0 0 Includes trips to school 0 0 Difference between Arr/dept
Private Residences Affordable Housing Total Resi Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Off the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0 0 0 0 0% 100%	0 0 0 0 0 0	0 0 0 0 0	0 0 0	0 0 Includes trips to school 0 0 Difference between Arr/dept
Affordable Housing Total Resi Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0 0 0 0 0% 100%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 Includes trips to school 0 O Difference between Arr/dept
Total Resi Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0 0 0% 100%	0 0 0	0 0 0 0	0 0 0	Oncludes trips to school Oncludes trips to school Oncludes trips to school Oncludes trips to school
Primary School (Pupils - estimated) Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Off the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0 0% 100%	0 0 0	0 0 0	0 0 0	0 0 Difference between Arr/dept
Primary school staff trips Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	0% 100%	0 0 0 0	0	0	0 Difference between Arr/dept
Number of "pupil vehicle trips" Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	100%	0 0 0	0	0	
Number of pupil trips originating onsite Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	100%	0 0 0	0		0 Gen. from on/off-site
Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	100%	0 0		0	
Number of pupil trips originating offsite Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	100%	0 0			0 All originate onsite
Of the onsite trips, 60% stay onsite Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips		0		0	0 All to/from offsite
Offsite school trips are therefore: Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips	3070		0	0	Discount from residential (never enter/exit site)
Undiscounted residential trips Discount for internal capture to/from school Resulting Residential offsite trips			0	0	0 Trips entering/existing site
Discount for internal capture to/from school Resulting Residential offsite trips					
Resulting Residential offsite trips		0	0	0	0
		0	0	0	Trips which leave home but not site
Total Resi/School Trips		0	0	0	Discounted Resi
Total Noor Conor Tripo		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% 34%	
Pedestrians World at home		16.80% 0%	6%	34%	
Work at home Other		0%	1%		
Other		100.00%	100.00%		
Impact of Modal Shift (to account for behaviour typical of ward Car Factor Total School/Resi Trips	112.45%	0	0	0	Normalise to BANES ward behaviour O Resulting resi/school trips
Employment Industrial Estate	0	0	0	0	0 Employment trips
Business Park	0	0	0	0	0
Total Industrial	U	0	0	0	0
Internal Capture	0	0	0	0	0
Reduction in Employment trips					
Revised Employment trips Revised Residential trips		0	0	0	0
Total trips (employment, school, residential)		0	0	0	0 Trips Offsite
	low and Whitchurch				
Ward Pub		AM	Out	PM	
		In	Out!		
Distribution of trips	40/			In	Out
Distribution of trips Bath	4%	0	0	0	0
Distribution of trips Bath Keynsham	6%	0	0	0	0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield	6% 2%	0	0 0 0	0 0 0	0 0 0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield Other BANES	6% 2% 16%	0 0 0	0 0 0	0 0 0	0 0 0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield Other BANES Bristol	6% 2% 16% 52%	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield Other BANES Bristol South Glos	6% 2% 16% 52% 9%	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield Other BANES Bristol South Glos Somerset	6% 2% 16% 52% 9% 1%	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
Distribution of trips Bath Keynsham Midsomer Norton, Radstock, Westfield Other BANES Bristol	6% 2% 16% 52% 9%	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0

Trips by other modes
Public Transport
Cyclists
Pedestrians