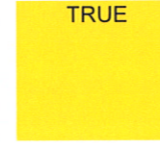


RESIDENTIAL

Plot Location Relative	Plot	Dwellings	Percentage	Dwellings	Trip Generation					
					AM Peak			PM Peak		
					Arr	Dep	Tot	Arr	Dep	Tot
RESIDENTIAL TRIP RATES					0.169	0.405	0.574	0.396	0.247	0.643
North	None	0	0.00%	0	0	0	0	0	0	0
	Sub-Total	0		0	0	0	0	0	0	0
South	A1	62	100%	62	10	25	36	25	15	40
	A7	162	100%	162	27	66	93	64	40	104
	A8	141	100%	141	24	57	81	56	35	91
	A16	26	100%	26	4	11	15	10	6	17
	Other	82	100%	82	14	33	47	32	20	53
	Sub-Total	473		473	80	192	272	187	117	304
East	A2	135	100%	135	23	55	77	53	33	87
	A3	115	100%	115	19	47	66	46	28	74
	A4	-	100%		0	0	0	0	0	0
	A5	69	100%	69	12	28	40	27	17	44
	A6	26	100%	26	4	11	15	10	6	17
	Other	82	100%	82	14	33	47	32	20	53
	Sub-Total	427		427	72	173	245	169	105	275
TOTAL					152	365	517	356	222	579

Does no. dwellings total 2,500? TRUE 0



EDUCATION

School Location Relative	Plot	External School Places	Trip Generation						
			AM Peak			PM Peak			
			Arr	Dep	Tot	Arr	Dep	Tot	
PRIMARY SCHOOL TRIP RATES			0.351	0.237	0.588	0.006	0.027	0.033	
North	Sub-Total	0	0	0	0	0	0	0	
South	2 Form Entry School	91	32	22	54	1	2	3	
	Sub-Total	91	32	22	54	1	2	3	
East	Sub-Total	0	0	0	0	0	0	0	
TOTAL			91	32	22	54	1	2	3

Total No. School Places 630
 No. Internal School Places 493
 No. External School Places 137

To/From South (no. external school places) 91
 To/From South (no. external school places) 46 Not considered

EMPLOYMENT

Employment Location	Plot	SQM	Trip Generation						
			AM Peak			PM Peak			
			Arr	Dep	Tot	Arr	Dep	Tot	
EMPLOYMENT TRIP RATES			1.225	0.198	1.423	0.212	1.151	1.363	
North	Sub-Total	0	0	0	0	0	0	0	
South	D1 Healthcare	3,000	37	6	43	6	35	41	
	Sub-Total	3,000	37	6	43	6	35	41	
East	Sub-Total	0	0	0	0	0	0	0	
TOTAL			3,000	37	6	43	6	35	41

RESI + EDUCATION

Trip Origin /Destinati	Plot	Trip Generation					
		AM Peak			PM Peak		
		Arr	Dep	Tot	Arr	Dep	Tot
NORTH		0	0	0	0	0	0
SOUTH		112	213	325	188	119	307
EAST		72	173	245	169	105	275
TOTAL		184	386	570	357	225	582

TOTAL SUMMARY

Trip Origin /Destinati	Plot	Trip Generation					
		AM Peak			PM Peak		
		Arr	Dep	Tot	Arr	Dep	Tot
NORTH		0	0	0	0	0	0
SOUTH		149	219	368	194	154	348
EAST		72	173	245	169	105	275
TOTAL		221	392	613	363	259	623

GEOGRAPHIC DISTRIBUTION

	Resi Traffic	Employment Traffic
North	13.60%	18.00%
West	41%	25%
South	24%	19%
East	22%	37%
	99.90%	99.90%

ACCESS DISTRIBUTION

	North	West	South	East
Northern A	100%	90%	50%	10%
Southern A	0%	10%	50%	90%

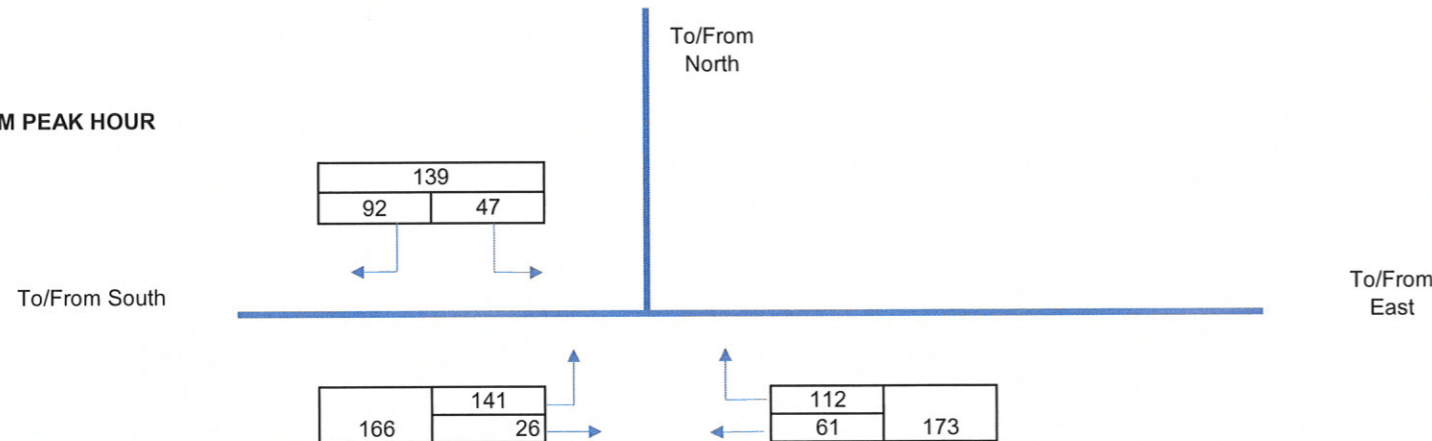
NORTH / SOUTH ACCESS SPLIT

Resi / Education				
	North	West	South	East
Northern A	14%	37%	12%	2%
Southern A	0%	4%	12%	19%

Employment				
	North	West	South	East
Northern A	18%	23%	10%	4%
Southern A	0%	3%	10%	33%

PLOT	via Northern Access						Southern Access					
	AM Peak			PM Peak			AM Peak			PM Peak		
	Arr	Dep	Tot	Arr	Dep	Tot	Arr	Dep	Tot	Arr	Dep	Tot
Resi / Education	NORTH	0	0	0	0	0	0	0	0	0	0	0
	SOUTH	72	138	210	121	77	198	40	75	115	66	42
	EAST	47	112	158	109	68	177	26	61	87	60	37
Employment	NORTH	0	0	0	0	0	0	0	0	0	0	0
	SOUTH	20	3	23	3	19	22	17	3	19	3	16
	EAST	0	0	0	0	0	0	0	0	0	0	0
Total	NORTH	0	0	0	0	0	0	0	0	0	0	0
	SOUTH	92	141	233	125	96	220	56	78	135	69	58
	EAST	47	112	158	109	68	177	26	61	87	60	37

AM PEAK HOUR



PM PEAK HOUR



Existing layout (without flare)

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
2018								
Stream B-AC	0.3	8.18	0.26	A	0.7	9.78	0.41	A
Stream C-AB	0.3	7.48	0.22	A	0.2	6.83	0.13	A

Existing layout (with 1 PCU flare)

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
2018								
Stream B-C	0.1	4.99	0.07	A	0.2	5.72	0.16	A
Stream B-A	0.2	7.89	0.18	A	0.3	8.23	0.24	A
Stream C-AB	0.3	7.48	0.22	A	0.2	6.86	0.13	A

Roundabout

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Arm 1	0.2	4.29	0.18	A	0.2	4.15	0.16	A
Arm 2	0.2	4.61	0.16	A	0.4	5.47	0.28	A
Arm 3	0.3	5.04	0.21	A	0.1	4.68	0.13	A

