

APPENDIX A

LAND USE DEVELOPMENT SUMMARY INFORMATION

Provided by City of Ryde 26th April 2012	DLEP 2011 SCENARIO 1							PART 3A DA SCENARIO 2			
	Site	DLEP 11	DLEP 11	DLEP 11	Commercial	Parking		3A/DA	3A/DA	3A/DA	
Location	Area	FSR	GFA	Dwellings				GFA	Commercial	Dwellings	
HOLDMARK PART 3A											
37 Nancarrow	9056	2	18112	163						350.4	
21 Nancarrow, 2-18 Constitution, 7 Hamilton	13992	2	27984	252						350.4	
20 Nancarrow, 116-118 Bowden	16486	2	32972	297						350.4	
6-18 Nancarrow, 9-12 Rothesay	9070	2	18140	163						350.4	
39 and 41 Belmore	14474	2	28948	261						250	
155-161 Church, 8-12 Porter	4077	2.7	11008	99						350.4	
SUBTOTAL	67155		137164	1234				203571	1080	2002	
UNDEVELOPED LAND											
1-18 Railway, 50&54 Constitution	7674	2	15348	138						130	
1-13 Angas	7931	2	15862	143						130	
2&2a Angas & 117-127 Bowden	6227	2	12454	112						130	
4-8 Angas	1837	2	3674	33						40	
								40000			
21 Railway	1956	2	5863	53							
1 Constitution	9419	2	18838	170							
133-139 Bowden	2890	2	5780	52							
101-123 Church, 2-8 Junction St, 3-19 Porter	15103	2	30206	272							
20-28 Constitution & 25-33 Nancarrow	6077	2	12154	109							
102-112 Bowden	5231	2	10462	94							
SUBTOTAL	64345		130641	1176						440	
DEVELOPED / APPROVED Das											
Waterpoint - 145-147 Bowden St	37509			159						533	
Waterpoint - Bay Drive				189	10000 Ret						
Waterpoint - Angas St				200							
Waterpoint 15-17 Angas/Underdale	2881			122	0	201				121	
Bayone - 82-102 Belmore	25327			258	200 Ret					462	
Bayone - Porter St				225							
2-4 Porter	2885			61	647 Off	111				61	
146 Bowden	7520			61	0	105				61	
Council Ops Centre (to be provided by Harry)						aprox 100					
TAFE collefge studnets 13,500 annually, staff 150											
TAFE College (counted parking spaces on air photo)						aprox 400					
SUBTOTAL	76122		0	1275							
Das - LODGED & UNDETERMINED											
125 - 135 Church				256	1165 Ret	376					
74-78 Belmore (Crowle)	16310	2 & 2.3	40775	367	0						
SUBTOTAL				623						1238	
TOTAL	207622		267805	4308						3680	

APPENDIX B

2012 LOT-BASED TRAFFIC GENERATION DATA

	2012 TRAFFIC GENERATION	START					RELATIVE PROPORTION (LOT/ZONE)				FINAL				COMPARISON			
Property ID	Business Name/Type	AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	New Zone	AM Peak IN %	AM Peak OUT %	PM Peak IN (%)	PM Peak OUT (%)	AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	AM START	AM FINAL	PM START	PM FINAL
1	Tyre Shop	3.5	1.5	1.5	3.5	2062	2.9%	2.7%	2.4%	2.5%	2.2	4.1	1.8	4.2	5.0	6.3	5.0	6.0
2	Smash Repairs	12.5	5.3	6.8	16.0	2062	10.3%	9.7%	11.1%	11.6%	7.7	14.7	8.3	19.1	17.8	22.4	22.8	27.4
3	Tyre and Wheel Supplies	4.1	1.8	1.8	4.1	2062	3.4%	3.2%	2.9%	3.0%	2.6	4.9	2.1	4.9	5.9	7.4	5.9	7.1
4	Dunlop Tyres	2.6	1.1	1.1	2.6	2062	2.1%	2.0%	1.8%	1.9%	1.6	3.0	1.3	3.0	3.6	4.6	3.6	4.4
5	West Ryde Smash Repairs	23.9	10.2	13.1	30.6	2062	19.7%	18.6%	21.2%	22.3%	14.8	28.1	15.9	36.6	34.2	42.9	43.8	52.5
6	Col's Body Shop-Auto Repairs	48.1	20.6	26.4	61.7	2059	30.2%	22.6%	22.4%	30.3%	22.4	14.7	16.6	20.9	68.8	37.0	88.1	37.5
7	Reece Plumbing Centre	12.4	5.3	5.3	12.4	2059	7.8%	5.8%	4.5%	6.1%	5.8	3.8	3.3	4.2	17.7	9.5	17.7	7.5
8	Repco - Auto Repairs	12.9	5.5	7.1	16.5	2059	8.1%	6.1%	6.0%	8.1%	6.0	3.9	4.4	5.6	18.5	9.9	23.6	10.1
9	Art Basic - Art Supplies	51.4	34.3	45.5	68.2	2059	32.3%	37.5%	38.6%	33.5%	23.9	24.4	28.5	23.1	85.7	48.3	113.7	51.6
10	VACANT	0.0	0.0	0.0	0.0	2059	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	VACANT	0.0	0.0	0.0	0.0	2059	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Sun Guard Window Tinting	15.5	6.6	8.5	19.8	2059	9.7%	7.3%	7.2%	9.7%	7.2	4.7	5.3	6.7	22.1	11.9	28.4	12.1
13	McCarty and Norris - Smash Repairs	19.9	8.5	10.9	25.5	2060	19.0%	21.2%	20.3%	18.7%	4.9	8.7	5.3	8.2	28.4	13.6	36.4	13.5
14	Brooks Auto Repairs	19.2	8.2	10.6	24.6	2060	18.4%	20.4%	19.6%	18.0%	4.8	8.4	5.1	7.9	27.5	13.1	35.2	13.0
15	SCF Interiors/AC&E-Computers and Data Security	5.1	1.3	1.3	5.1	2060	4.9%	3.2%	2.4%	3.8%	1.3	1.3	0.6	1.7	6.4	2.6	6.4	2.3
15	SCF Interiors/AC&E-Computers and Data Security	20.5	5.1	5.1	20.5	2060	19.6%	12.7%	9.5%	15.0%	5.1	5.2	2.5	6.6	25.7	10.3	25.7	9.1
16	LPD Mechanic	6.0	2.6	3.3	7.7	2060	5.7%	6.4%	6.1%	5.7%	1.5	2.6	1.6	2.5	8.6	4.1	11.0	4.1
17	VACANT	0.0	0.0	0.0	0.0	2060	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	Kablan Mowad and Sons Smash Repairs	20.7	8.9	11.4	26.6	2060	19.8%	22.1%	21.1%	19.5%	5.1	9.0	5.5	8.6	29.6	14.2	38.0	14.1
19	Xflow-Solid Surface products/Fugro	13.2	5.7	11.3	26.4	2060	12.6%	14.1%	21.0%	19.4%	3.3	5.8	5.5	8.5	18.9	9.0	37.8	14.0
20	Aldus Engineering	45.8	19.6	19.6	45.8	2061	30.5%	30.5%	28.7%	28.7%	14.0	24.7	13.2	24.4	65.4	38.7	65.4	37.6
21	Wire Mesh Industries	44.6	19.1	19.1	44.6	2061	29.7%	29.7%	27.9%	27.9%	13.7	24.0	12.8	23.7	63.7	37.7	63.7	36.6
22	Wire Mesh Industries	11.1	4.8	4.8	11.1	2063	5.2%	5.9%	6.6%	6.2%	3.7	7.0	4.7	7.6	15.9	10.7	15.9	12.3
22	Manooga Products	39.9	17.1	17.1	39.9	2063	18.6%	21.3%	23.7%	22.4%	13.2	25.2	16.8	27.3	57.0	38.4	57.0	44.1
23	Central Districts Smash Repairs	35.0	15.0	19.2	44.8	2063	16.3%	18.7%	26.6%	25.1%	11.6	22.0	18.9	30.6	49.9	33.6	64.0	49.5
24	Café	1.8	1.8	1.1	2.5	2063	0.8%	2.2%	1.5%	1.4%	0.6	2.6	1.1	1.7	3.6	3.2	3.6	2.8
24	Offices	16.2	4.1	4.1	16.2	2063	7.6%	5.0%	5.6%	9.1%	5.4	6.0	4.0	11.1	20.3	11.3	20.3	15.1
24	Retail	10.7	10.7	10.7	10.7	2063	5.0%	13.3%	14.8%	6.0%	3.5	15.7	10.5	7.3	21.4	19.3	21.4	17.8
25	Printing supplies shop	6.6	2.8	2.8	6.6	2062	5.4%	5.1%	4.6%	4.8%	4.1	7.8	3.4	7.9	9.4	11.8	9.4	11.3
26	Studex Australia-Body Piercings/Adnohr Marketing	36.8	15.8	15.8	36.8	2062	30.3%	28.6%	25.5%	26.8%	22.7	43.2	19.1	43.9	52.5	66.0	52.5	63.0
27	Razco pools	5.9	2.5	2.5	5.9	2062	4.9%	4.6%	4.1%	4.3%	3.7	7.0	3.1	7.1	8.5	10.6	8.5	10.1
27	Allstates Automotive Transmissions	9.5	4.1	5.2	12.1	2062	7.8%	7.4%	8.4%	8.8%	5.9	11.1	6.3	14.5	13.5	17.0	17.3	20.8
28	Wunderlich Smash Repairs	10.8	4.6	5.9	13.9	2062	8.9%	8.4%	9.6%	10.1%	6.7	12.7	7.2	16.6	15.5	19.4	19.8	23.8
29	Formula Chemicals	58.1	14.5	2.9	11.6	2063	27.1%	18.1%	4.0%	6.5%	19.2	21.3	2.9	7.9	72.6	40.6	14.5	10.8
30	Mitronics Corporation	17.9	4.5	4.5	17.9	2063	8.3%	5.6%	6.2%	10.0%	5.9	6.6	4.4	12.2	22.3	12.5	22.3	16.6
31	Douglas Partners-Geotechnics	12.6	3.2	3.2	12.6	2063	5.9%	3.9%	4.4%	7.1%	4.2	4.6	3.1	8.6	15.8	8.8	15.8	11.7
31	Douglas Partners-Geotechnics	5.0	2.1	2.1	5.0	2063	2.3%	2.7%	3.0%	2.8%	1.7	3.1	2.1	3.4	7.1	4.8	7.1	5.5
32	Rent-A-Space - Storage Spaces	5.2	5.2	5.2	5.2	2062	4.3%	9.5%	8.5%	3.8%	3.2	14.4	6.4	6.3	10.5	17.6	10.5	12.6
33	Celeste Catering , Bluey's Ute World	6.1	2.6	2.6	6.1	2063	2.8%	3.3%	3.6%	3.4%	2.0	3.8	2.6	4.2	8.7	5.9	8.7	6.7
34	Industrial Complex	33.6	14.4	18.4	43.0	2061	22.4%	22.4%	27.0%	27.0%	10.3	18.1	12.4	22.9	48.0	28.4	61.4	35.3
34	Industrial Complex	21.0	9.0	9.0	21.0	2061	14.0%	14.0%	13.1%	13.1%	6.4	11.3	6.0	11.2	30.0	17.8	30.0	17.2
34	Industrial Complex	5.2	2.2	2.2	5.2	2061	3.5%	3.5%	3.3%	3.3%	1.6	2.8	1.5	2.8	7.5	4.4	7.5	4.3
34	Vacant	0.0	0.0	0.0	0.0	2061	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	Willandra Art Centre	2.0	1.3	12.5	12.5	2021	42.9%	11.1%	54.5%	82.7%	20.6	4.9	53.4	36.4	3.3	25.5	24.9	89.8
2021	Willandra-Victoria	2.6	10.4	10.4	2.6	2021	57.1%	88.9%	45.5%	17.3%	27.4	39.1	44.6	7.6	13.0	66.5	13.0	52.2
2022	Morrison-Willandra	4.4	17.7	17.7	4.4	2022	100.0%	100.0%	100.0%	100.0%	55.0	56.0	55.0	36.0	22.2	111.0	22.2	91.0
2026	Suttor-Morrison	4.3	17.1	17.1	4.3	2026	100.0%	100.0%	100.0%	100.0%	13.0	51.0	13.0	36.0	21.4	64.0	21.4	49.0
2027	Junction-Suttor	3.7	14.7	14.7	3.7	2027	31.3%	81.0%	76.9%	26.3%	4.1	56.7	10.0	12.6	18.4	60.8	18.4	22.6
36	B G Body Works	8.0	3.4	4.4	10.3	2027	68.7%	19.0%	23.1%	73.7%	8.9	13.3	3.0	35.4	11.5	22.2	14.7	38.4
37	Ryde Police Station	8.9	8.9	8.9	8.9	2020	75.9%	53.2%	36.5%	46.0%	14.4	12.2	25.2	10.6	17.9	26.7	17.9	35.8
38	Wallumetta Ryde Businessman's Club	1.2	1.2	8.8	8.8	2020	9.8%	6.8%	36.0%	45.4%	1.9	1.6	24.8	10.4	2.3	3.4	17.6	35.3
2067	Victoria-Yerong	1.7	6.7	6.7	1.7	2020	14.3%	40.0%	27.5%	8.7%	2.7	9.2	19.0	2.0	8.4	11.9	8.4	21.0
2023	Yerong-Victoria	2.1	8.6	8.6	2.1	2023	100.0%	100.0%	100.0%	100.0%	13.0	38.0	23.0	23.0	10.7	51.0	10.7	46.0
2024	Sutherland-Shepherd	2.0	8.0	8.0	2.0	2024	100.0%	100.0%	100.0%	100.0%	12.0	40.0	31.0	23.0	9.9	52.0	9.9	54.0
2025	Yerong-Thistle	3.2	12.9	12.9	3.2	2025	100.0%	100.0%	100.0%	100.0%	8.0	36.0	8.0	36.0	16.1	44.0	16.1	44.0
2050	Squire-Thorn	6.1	24.5	24.5	6.1	2050	100.0%	100.0%	100.0%	100.0%	69.0	27.0	31.0	27.0	30.6	96.0	30.6	58.0
2048	Robert-Richard John	2.0	8.0	8.0	2.0	2048	100.0%	100.0%	100.0%	100.0%	10.0	23.0	10.0	23.0	9.9	33.0	9.9	33.0
2049	Thorn-Richard John	2.4	9.8	9.8	2.4	2049	100.0%	100.0%	100.0%	100.0%	6.0	3.0	6.0	3.0	12.2	9.0	12.2	9.0
2047	Richard John-Constitution	3.4	13.5	13.5	3.4	2047	100.0%	100.0%	100.0%	100.0%	8.0	17.0	8.0	17.0	16.8	25.0	16.8	25.0
2046	Gale-Constitution	4.9	19.6	19.6	4.9	2046	100.0%	100.0%	100.0%	100.0%	48.0	7.0	20.0	7.0	24.5	55.0	24.5	27.0
39	City of Ryde Operations Centre	44.9	19.3	12.8	51.4	2035	100.0%	100.0%	100.0%	100.0%	15.0	19.0	25.0	19.0	64.2	34.0	64.2	44.0
40	Meadowbank Public School	72.0	72.0	4.0	4.0	2028	99.6%	98.3%	76.6%	92.9%	7.0	33.4	5.4	31.6	144.0	40.4	8.0	36.9
2028	Thistle-Constitution	0.3	1.2	1.2	0.3	2028	0.4%	1.7%	23.4%	7.1%	0.0	0.6	1.6	2.4	1.5	0.6	1.5	4.1
2054	MacPherson-Bowden	1.7	6.7	6.7	1.7	2054	100.0%	100.0%	100.0%	100.0%	55.0	15.0	55.0	15.0	8.4	70.0	8.4	70.0
2055	See-MacPherson	1.8	7.3	7.3	1.8	2055	100.0%	100.0%	100.0%	100.0%	7.0	1.0	7.0	1.0	9.2	8.0	9.2	8.0
2053	See-Angas	0.5	1.8	1.8	0.5	2053	100.0%	100.0%	100.0%	100.0%	4.0	45.0	4.0	10.0	2.3	49.0	2.3	14.0
2030	Junction-Well	2.6	10.4	10.4	2.6	2030	10.6%	59.0%	59.0%	10.6%	2.5	27.7	14.2	1.8	13.0	30.3	13.0	16.0
41	7 Porter Street	2.0	0.8	0.8	2.0	2030	8.0%	4.8%	4.8%	8.0%	1.9	2.3	1.2	1.4	2.8	4.2	2.8	2.5
42	Purewater Flow Supplies	2.1	0.5	0.5	2.1	2030	8.4%	2.9%	2.9%	8.4%	2.0	1.4	0.7	1.4	2.6	3.4	2.6	2.1
42	Purewater Flow Supplies	1.7	0.7	0.7	1.7	2030	6.8%	4.0%	4.0%	6.8%	1.6	1.9	1.0	1.1	2.4	3.5	2.4	2.1

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43	11 Porter Street	6.1	1.5	1.5	6.1	2030	24.7%	8.6%	8.6%	24.7%		5.9	4.0	2.1	4.2		7.6	10.0	7.6	6.3
44	13 Porter Street	1.4	1.4	1.4	1.4	2030	5.9%	8.2%	8.2%	5.9%		1.4	3.8	2.0	1.0		2.9	5.2	2.9	3.0
45	15 Porter Street	8.8	2.2	2.2	8.8	2030	35.7%	12.4%	12.4%	35.7%		8.6	5.9	3.0	6.1		11.0	14.4	11.0	9.1
46	Metro Inn Ryde	3.1	12.5	12.5	3.1	2051	54.5%	54.5%	54.5%	54.5%		41.4	3.8	41.4	3.8		15.6	45.3	15.6	45.3
2051	Squire-Victoria-Bowden	2.6	10.4	10.4	2.6	2051	45.5%	45.5%	45.5%	45.5%		34.6	3.2	34.6	3.2		13.0	37.7	13.0	37.7
47	Bowden Café	5.6	5.6	3.4	7.8	2056	62.5%	29.4%	20.0%	70.0%		38.1	6.2	12.2	14.7		11.2	44.3	11.2	26.9
48	VACANT	0.0	0.0	0.0	0.0	2056	0.0%	0.0%	0.0%	0.0%		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
2056	Macpherson-Victoria-Forsyth-Bowden	3.4	13.5	13.5	3.4	2056	37.5%	70.6%	80.0%	30.0%		22.9	14.8	48.8	6.3		16.8	37.7	16.8	55.1
49	Substation	0.0	0.0	0.0	0.0	2057	0.0%	0.0%	0.0%	0.0%		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
50	Meadowbank College of TAFE	1389.2	595.4	793.8	1190.7	2057	100.0%	100.0%	100.0%	100.0%		1051.0	553.0	171.0	809.0		1984.5	1604.0	1984.5	980.0
51	BP Petrol Station - Victoria-Mellor	15.0	15.0	15.0	15.0	2058	47.5%	36.0%	36.0%	47.5%		10.0	5.0	7.6	6.6		30.0	15.0	30.0	14.2
52	BP Petrol Station - Victoria-Mellor	13.2	13.2	13.2	13.2	2058	41.9%	31.7%	31.7%	41.9%		8.8	4.4	6.7	5.9		26.5	13.2	26.5	12.5
2058	Macpherson-Mellor-Victoria-Forsyth	3.4	13.5	13.5	3.4	2058	10.6%	32.3%	32.3%	10.6%		2.2	4.5	6.8	1.5		16.8	6.8	16.8	8.3
52	The Art Scene	18.9	18.9	25.1	25.1	2059	11.9%	20.7%	21.3%	12.3%		8.8	13.5	15.8	8.5		37.9	22.3	50.3	24.3
53	Pumping Station	0.0	0.0	0.0	0.0	2064	0.0%	0.0%	0.0%	0.0%		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
2064	Victoria-Hermitage	0.2	0.6	0.6	0.2	2064	100.0%	100.0%	100.0%	100.0%		0.0	0.0	0.0	0.0		0.8	0.0	0.8	0.0
2052	Angas-McPherson	1.7	6.7	6.7	1.7	2052	6.8%	22.1%	29.4%	10.8%		0.6	11.7	1.5	5.7		8.4	12.3	8.4	7.2
54	Little Stars Kindergarten	21.6	17.6	10.1	12.3	2052	87.1%	57.9%	44.0%	79.4%		7.8	30.7	2.2	42.1		39.2	38.5	22.4	44.3
55	53 Constitution	1.2	4.9	4.9	1.2	2052	4.9%	16.0%	21.2%	7.8%		0.4	8.5	1.1	4.1		6.1	8.9	6.1	5.2
56	55 Constitution	0.3	1.2	1.2	0.3	2052	1.2%	4.0%	5.3%	2.0%		0.1	2.1	0.3	1.0		1.5	2.2	1.5	1.3
57	Medical Centre	29.7	24.3	24.3	29.7	2066	46.3%	15.0%	13.9%	38.7%		20.4	8.8	13.8	38.4		54.0	29.2	54.0	52.1
57	Restaurants	0.0	0.0	12.5	12.5	2066	0.0%	0.0%	7.2%	16.3%		0.0	0.0	7.1	16.1		0.0	0.0	25.0	23.2
58	66-70 Constitution	1.8	7.1	7.1	1.8	2066	2.8%	4.4%	4.1%	2.3%		1.2	2.6	4.0	2.3		8.9	3.8	8.9	6.3
59	72-78 Constitution	1.6	6.5	6.5	1.6	2066	2.5%	4.0%	3.7%	2.1%		1.1	2.4	3.7	2.1		8.1	3.5	8.1	5.8
2066	Meadow-Constitution	0.5	1.8	1.8	0.5	2066	0.7%	1.1%	1.1%	0.6%		0.3	0.7	1.0	0.6		2.3	1.0	2.3	1.6
60	58 Meadow	1.5	6.2	6.2	1.5	2066	2.4%	3.8%	3.5%	2.0%		1.1	2.2	3.5	2.0		7.7	3.3	7.7	5.5
61	56 Meadow	1.9	7.8	7.8	1.9	2066	3.0%	4.8%	4.5%	2.5%		1.3	2.8	4.4	2.5		9.7	4.2	9.7	6.9
62	54 Meadow	2.0	8.1	8.1	2.0	2066	3.2%	5.0%	4.6%	2.6%		1.4	2.9	4.6	2.6		10.1	4.3	10.1	7.2
63	52 Meadow	1.9	7.8	7.8	1.9	2066	3.0%	4.8%	4.5%	2.5%		1.3	2.8	4.4	2.5		9.7	4.2	9.7	6.9
64	50 Meadow	1.5	6.2	6.2	1.5	2066	2.4%	3.8%	3.5%	2.0%		1.1	2.2	3.5	2.0		7.7	3.3	7.7	5.5
65	46-48 Meadow	2.0	8.1	8.1	2.0	2066	3.2%	5.0%	4.6%	2.6%		1.4	2.9	4.6	2.6		10.1	4.3	10.1	7.2
66	44 Meadow	1.1	4.2	4.2	1.1	2066	1.6%	2.6%	2.4%	1.4%		0.7	1.5	2.4	1.4		5.3	2.3	5.3	3.7
67	42 Meadow	1.0	3.9	3.9	1.0	2066	1.5%	2.4%	2.2%	1.3%		0.7	1.4	2.2	1.3		4.9	2.1	4.9	3.5
68	40 Meadow	2.0	8.1	8.1	2.0	2066	3.2%	5.0%	4.6%	2.6%		1.4	2.9	4.6	2.6		10.1	4.3	10.1	7.2
69	30-32 Meadow	1.6	6.5	6.5	1.6	2066	2.5%	4.0%	3.7%	2.1%		1.1	2.4	3.7	2.1		8.1	3.5	8.1	5.8
70	28 Meadow	1.3	5.2	5.2	1.3	2066	2.0%	3.2%	3.0%	1.7%		0.9	1.9	2.9	1.7		6.5	2.8	6.5	4.6
71	24-26 Meadow	3.0	12.0	12.0	3.0	2066	4.7%	7.4%	6.9%	3.9%		2.1	4.4	6.8	3.9		15.0	6.4	15.0	10.7
72	20-22 Meadow	2.0	8.1	8.1	2.0	2066	3.2%	5.0%	4.6%	2.6%		1.4	2.9	4.6	2.6		10.1	4.3	10.1	7.2
73	18-18A Meadow	1.4	5.5	5.5	1.4	2066	2.1%	3.4%	3.2%	1.8%		0.9	2.0	3.1	1.8		6.9	2.9	6.9	4.9
74	16-16A Meadow	0.9	3.6	3.6	0.9	2066	1.4%	2.2%	2.0%	1.2%		0.6	1.3	2.0	1.2		4.5	1.9	4.5	3.2
75	14-14A Meadow	2.1	8.4	8.4	2.1	2066	3.3%	5.2%	4.8%	2.7%		1.4	3.1	4.8	2.7		10.5	4.5	10.5	7.5
76	12 Meadow	3.2	13.0	13.0	3.2	2066	5.0%	8.0%	7.4%	4.2%		2.2	4.7	7.3	4.2		16.2	6.9	16.2	11.5
77	City Park	0.7	0.7	1.0	1.0	2068	100.0%	100.0%	100.0%	100.0%		0.0	26.0	10.0	66.0		1.4	26.0	1.9	76.0
78	1-3 Banks	0.8	3.2	3.2	0.8	2065	1.6%	1.6%	1.6%	1.6%		0.7	1.1	1.9	1.4		4.1	1.8	4.1	3.3
79	1A Meadow	0.3	1.3	1.3	0.3	2065	0.6%	0.6%	0.6%	0.6%		0.3	0.4	0.8	0.6		1.6	0.7	1.6	1.3
80	3-5 Meadow	1.9	7.5	7.5	1.9	2065	3.7%	3.7%	3.7%	3.7%		1.7	2.5	4.4	3.3		9.3	4.2	9.3	7.7
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	2012 TRAFFIC GENERATION	START					RELATIVE PROPORTION (LOT/ZONE)				FINAL				COMPARISON			
Property ID	Business Name/Type	AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	New Zone	AM Peak IN %	AM Peak OUT %	PM Peak IN (%)	PM Peak OUT (%)	AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	AM START	AM FINAL	PM START	PM FINAL
105	11 Bank	1.4	5.5	5.5	1.4	2065	2.7%	2.7%	2.7%	2.7%	1.3	1.9	3.3	2.4	6.9	3.1	6.9	5.7
106	10 Bank	1.5	6.2	6.2	1.5	2065	3.0%	3.0%	3.0%	3.0%	1.4	2.1	3.7	2.7	7.7	3.5	7.7	6.4
107	9 Bank	1.6	6.5	6.5	1.6	2065	3.2%	3.2%	3.2%	3.2%	1.5	2.2	3.9	2.8	8.1	3.7	8.1	6.7
108	8 Bank	1.6	6.5	6.5	1.6	2065	3.2%	3.2%	3.2%	3.2%	1.5	2.2	3.9	2.8	8.1	3.7	8.1	6.7
109	6A, 7, 7A Bank	3.5	13.9	13.9	3.5	2065	6.8%	6.8%	6.8%	6.8%	3.2	4.7	8.3	6.1	17.4	7.9	17.4	14.4
110	6 Bank	0.6	2.6	2.6	0.6	2065	1.3%	1.3%	1.3%	1.3%	0.6	0.9	1.5	1.1	3.2	1.5	3.2	2.7
111	5 Bank	1.4	5.5	5.5	1.4	2065	2.7%	2.7%	2.7%	2.7%	1.3	1.9	3.3	2.4	6.9	3.1	6.9	5.7
112	4 Bank	2.9	11.7	11.7	2.9	2065	5.7%	5.7%	5.7%	5.7%	2.7	4.0	6.9	5.1	14.6	6.7	14.6	12.0
113	German Pre-School	176.4	176.4	100.8	100.8	2029	100.0%	100.0%	100.0%	100.0%	108.0	135.0	108.0	141.0	352.8	243.0	201.6	249.0
114	VACANT	0.0	0.0	0.0	0.0	2029	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	82-98 Belmore Street	15.6	62.2	62.2	15.6	2032	33.6%	82.5%	94.1%	71.9%	40.0	38.8	74.4	67.6	77.8	78.8	77.8	142.0
116	Bay One	2.6	10.4	10.4	2.6	2033	100.0%	100.0%	100.0%	100.0%	92.0	90.0	67.0	113.0	13.0	182.0	13.0	180.0
117	Hayes Industrial Complex	30.7	13.2	1.6	3.8	2032	66.4%	17.5%	2.5%	17.8%	79.0	8.2	2.0	16.7	43.9	87.2	5.5	18.7
118	Sydney House of Worship	0.0	0.0	2.2	2.2	2032	0.0%	0.0%	3.4%	10.3%	0.0	0.0	2.7	9.7	0.0	0.0	4.5	12.4
119	Pablo and Rusty's HQ	9.5	9.5	9.5	9.5	2031	25.9%	50.7%	58.5%	35.7%	7.0	45.6	15.8	10.7	19.1	52.6	19.1	26.5
120	21 Porter Street	0.0	0.0	0.0	0.0	2031	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121	Lucas - Pipelines	11.1	4.7	4.7	11.1	2034	100.0%	100.0%	100.0%	100.0%	66.0	55.0	9.0	15.0	15.8	121.0	15.8	24.0
122	Printing	20.2	5.0	2.5	10.1	2031	54.8%	26.8%	15.5%	37.8%	14.8	24.1	4.2	11.3	25.2	38.9	12.6	15.5
123	Printing	2.0	0.9	0.9	2.0	2031	5.4%	4.5%	5.2%	7.5%	1.5	4.1	1.4	2.2	2.9	5.6	2.9	3.7
123	Toolbox	5.1	3.4	3.4	5.1	2031	13.8%	18.0%	20.8%	19.0%	3.7	16.2	5.6	5.7	8.5	19.9	8.5	11.3
124	Denture clinic, hair dresser, real estate	6.7	4.5	4.5	6.7	2045	4.8%	7.2%	7.1%	4.7%	1.2	3.5	1.8	2.4	11.1	4.8	11.1	4.2
125	Accountants, Meadowbank Cellars	26.0	17.3	17.3	26.0	2045	18.7%	28.2%	27.5%	18.3%	4.7	13.8	6.9	9.3	43.3	18.5	43.3	16.2
126	Electrical supplies	9.1	6.1	6.1	9.1	2045	6.6%	9.9%	9.7%	6.4%	1.6	4.8	2.4	3.3	15.2	6.5	15.2	5.7
126	Electrical supplies	4.8	2.1	2.1	4.8	2045	3.5%	3.4%	3.3%	3.4%	0.9	1.7	0.8	1.7	6.9	2.5	6.9	2.6
127	Metalwork- Trophy engraving etc.	11.4	4.9	4.9	11.4	2042	47.4%	8.8%	8.8%	47.4%	28.9	1.1	1.9	6.2	16.3	30.1	16.3	8.1
128	2 Faraday Lane	5.0	20.1	20.1	5.0	2042	20.9%	36.2%	36.2%	20.9%	12.8	4.7	8.0	2.7	25.1	17.5	25.1	10.7
129	TJ Andrews Funeral Service	12.7	3.2	3.2	12.7	2045	9.1%	5.1%	5.0%	8.9%	2.3	2.5	1.3	4.5	15.8	4.8	15.8	5.8
130	Kencraft Wire Products	6.3	2.7	2.7	6.3	2045	4.6%	4.4%	4.3%	4.4%	1.1	2.2	1.1	2.3	9.0	3.3	9.0	3.3
131	Jonley-Plastics	11.6	5.0	5.0	11.6	2045	8.3%	8.1%	7.9%	8.1%	2.1	3.9	2.0	4.1	16.5	6.0	16.5	6.1
132	Shepherds Bay Smash Repair	12.4	5.3	6.8	15.9	2045	8.9%	8.6%	10.8%	11.2%	2.2	4.2	2.7	5.7	17.7	6.5	22.7	8.4
133	Printing	1.6	0.7	0.7	1.6	2045	1.2%	1.1%	1.1%	1.1%	0.3	0.5	0.3	0.6	2.3	0.8	2.3	0.9
133	Printing	1.7	0.7	0.7	1.7	2045	1.2%	1.2%	1.1%	1.2%	0.3	0.6	0.3	0.6	2.4	0.9	2.4	0.9
134	Targus Australia	3.0	1.3	1.3	3.0	2045	2.2%	2.1%	2.0%	2.1%	0.5	1.0	0.5	1.1	4.3	1.6	4.3	1.6
135	JCS Data Cabling	1.8	0.8	0.8	1.8	2045	1.3%	1.3%	1.3%	1.3%	0.3	0.6	0.3	0.7	2.6	1.0	2.6	1.0
136	Amtex-Power supplies	3.2	1.4	1.4	3.2	2045	2.3%	2.2%	2.2%	2.2%	0.6	1.1	0.5	1.1	4.6	1.7	4.6	1.7
137	Amtex-Power supplies	1.0	0.4	0.4	1.0	2045	0.7%	0.7%	0.7%	0.7%	0.2	0.3	0.2	0.4	1.4	0.5	1.4	0.5
137	Landscape Products	0.4	0.2	0.2	0.4	2045	0.3%	0.3%	0.3%	0.3%	0.1	0.1	0.1	0.1	0.6	0.2	0.6	0.2
138	AT Site	1.2	0.5	0.5	1.2	2045	0.9%	0.8%	0.8%	0.8%	0.2	0.4	0.2	0.4	1.7	0.6	1.7	0.6
139	125 Bowden Street	1.0	0.4	0.4	1.0	2045	0.7%	0.7%	0.7%	0.7%	0.2	0.3	0.2	0.3	1.4	0.5	1.4	0.5
140	KAZ-Computer Services	32.2	8.1	8.1	32.2	2045	23.2%	13.1%	12.8%	22.6%	5.8	6.4	3.2	11.5	40.3	12.2	40.3	14.7
141	6 Angas Street	1.7	0.7	0.7	1.7	2045	1.2%	1.2%	1.2%	1.2%	0.3	0.6	0.3	0.6	2.5	0.9	2.5	0.9
142	8 Angas Street	0.5	0.2	0.2	0.5	2045	0.4%	0.4%	0.3%	0.4%	0.1	0.2	0.1	0.2	0.7	0.3	0.7	0.3
171	Air Springs	6.6	2.8	2.8	6.6	2042	27.4%	5.1%	5.1%	27.4%	16.7	0.7	1.1	3.6	9.4	17.3	9.4	4.7
171	Air Springs	13.1	5.6	5.6	13.1	2042	54.7%	10.2%	10.2%	54.7%	33.4	1.3	2.2	7.1	18.8	34.7	18.8	9.3
143	Residential Multi-unit	7.6	30.5	30.5	7.6	2042	31.7%	55.0%	55.0%	31.7%	19.3	7.1	12.1	4.1	38.1	26.5	38.1	16.2
144	Residential Multi-unit	7.5	29.8	29.8	7.5	2043	100.0%	100.0%	100.0%	100.0%	57.0	5.0	16.0	5.0	37.3	62.0	37.3	21.0
145	2 Bay Drive	3.2	12.6	12.6	3.2	2044	14.9%	85.9%	85.7%	14.9%	0.7	10.3	4.3	1.8	15.8	11.0	15.8	6.1
146	Industrial Park-Metro, GridSense	21.5	9.2	9.2	21.5	2041	100.0%	100.0%	100.0%	100.0%	13.0	15.0	13.0	15.0	30.8	28.0	30.8	28.0
147	Jubilee Smash Repairs	4.2	1.8	2.3	5.4	2040	5.2%	2.4%	1.0%	2.1%	5.2	1.3	1.0	1.3	6.0	6.5	7.7	2.3
148	SRSC-Steel Roofing	4.7	2.0	2.0	4.7	2040	5.8%	2.7%	0.9%	1.8%	5.8	1.5	0.9	1.1	6.7	7.3	6.7	2.0
149	Kenco Car Care	4.6	2.0	19.7	46.0	2040	5.6%	2.7%	8.6%	17.7%	5.7	1.4	8.3	11.0	6.6	7.1	65.6	19.3
150	VR Fitness	67.9	67.9	203.7	203.7	2040	83.4%	92.1%	89.5%	78.4%	84.2	49.8	85.9	48.6	135.8	134.0	407.4	134.5
151	Electrical supplies	9.3	4.0	4.0	9.3	2037	17.7%	16.9%	14.3%	14.8%	3.9	7.9	4.6	7.0	13.3	11.8	13.3	11.5
152	Ajays AutoCentre	7.3	3.1	4.0	9.3	2037	13.8%	13.2%	14.3%	14.8%	3.0	6.2	4.6	7.0	10.4	9.2	13.3	11.5
154	Techno-Glass Designs	4.3	1.8	1.8	4.3	2037	8.2%	7.8%	6.6%	6.8%	1.8	3.7	2.1	3.2	6.1	5.5	6.1	5.3
155	Tigers Automotive	28.9	12.4	15.9	37.0	2037	54.9%	52.3%	56.6%	58.9%	12.1	24.6	18.1	27.7	41.3	36.7	52.9	45.8
156	24 Constitution Road	2.6	1.1	1.1	2.6	2037	4.9%	4.6%	3.9%	4.1%	1.1	2.2	1.3	1.9	3.7	3.3	3.7	3.2
2037	Nancarrow-Constitution	0.3	1.2	1.2	0.3	2037	0.6%	5.2%	4.4%	0.5%	0.1	2.4	1.4	0.2	1.5	2.6	1.5	1.6
157	Midcoast Timber Supplies	6.3	2.7	2.7	6.3	2036	19.0%	19.0%	19.0%	19.0%	6.8	3.8	6.8	3.8	9.0	10.6	9.0	10.6
158	Skaters Network	17.2	7.4	7.4	17.2	2036	51.6%	51.6%	51.6%	51.6%	18.6	10.3	18.6	10.3	24.6	28.9	24.6	28.9
159	Ryde Steering and Electrical	8.2	3.5	3.5	8.2	2036	24.6%	24.6%	24.6%	24.6%	8.9	4.9	8.9	4.9	11.7	13.8	11.7	13.8
160	BG Plumbing Electrical Carpentry	1.6	0.7	0.7	1.6	2036	4.9%	4.9%	4.9%	4.9%	1.8	1.0	1.8	1.0	2.3	2.7	2.3	2.7
161	2-8 Rothesay Avenue	89.8	38.5	38.5	89.8	2038	100.0%	100.0%	100.0%	100.0%	107.0	80.0	57.0	136.0	128.3	187.0	128.3	193.0
2038	Nancarrow	0.2	0.6	0.6	0.2	2039	0.4%	4.0%	4.0%	0.4%	0.0	2.2	1.3	0.2	0.8	2.2	0.8	1.5
162	Kitchen Aid	1.5	0.6	0.6	1.5	2039	3.5%	4.2%	4.2%	3.5%	0.4	2.3	1.3	1.9	2.1	2.6	2.1	3.2
163	Kitchen Aid	12.2	5.2	5.2	12.2	2039	28.3%	34.3%	34.3%	28.3%	3.1	18.5	11.0	15.3	17.5	21.7	17.5	26.3
164	Studio 10	8.1	3.5	3.5	8.1	2039	18.8%	22.8%	22.8%	18.8%	2.1	12.3	7.3	10.1	11.6	14.4	11.6	17.4
165	11-12 Rothesay	21.2	5.3	5.3	21.2	2039	49.1%	34.7%	34.7%	49.1%	5.4	18.7	11.1	26.5	26.5	24.1	26.5	37.6
166	Meadowbank Ferry Station	18.0	2.0	2.0	18.0	2044	84.8%	13.6%	13.6%	84.6%	4.2	1.6	0.7	10.2	20.0	5.9	20.0	10.8
167	2 Bay Drive	0.1	0.1	0.1	0.1	2044	0.4%	0.5%	0.7%	0.5%	0.0	0.1	0.0	0.1	0.2	0.1	0.2	0.1

	2012 TRAFFIC GENERATION	START					RELATIVE PROPORTION (LOT/ZONE)					FINAL				COMPARISON			
Property ID	Business Name/Type	AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	New Zone	AM Peak IN %	AM Peak OUT %	PM Peak IN (%)	PM Peak OUT (%)		AM Peak Traffic IN	AM Peak Traffic OUT	PM Peak Traffic IN	PM Peak Traffic OUT	AM START	AM FINAL	PM START	PM FINAL
168	Anderson Park	3.3	3.3	4.4	4.4	2070	100.0%	100.0%	100.0%	100.0%		15.0	11.0	19.0	11.0	6.6	26.0	8.8	30.0
169	Junction 8 Take Away	2.3	2.3	2.3	2.3	2069	54.8%	54.8%	54.8%	54.8%		0.0	55.9	0.0	6.0	4.6	55.9	4.6	6.0
170	Real Estate Agent	1.9	1.9	1.9	1.9	2069	45.2%	45.2%	45.2%	45.2%		0.0	46.1	0.0	5.0	3.8	46.1	3.8	5.0
	TOTAL	3348.6	2357.7	2621.1	3263.4							2950.1	2735.0	2009.4	2924.7	5706.3	5685.0	5884.4	4934.0

APPENDIX C

2012 AND 2031 ZONE-BASED TRAFFIC GENERATION

MEADOWBANK SATURN MODEL: TRAFFIC VOLUMES GENERATED BY MODEL ZONE

Zone	2012 Validated Base Model				2031 Scenario 1: LEP2011				2031 Scenario 2: LEP2011+Holdmark Part 3A			
	AM Peak-IN	AM Peak-OUT	PM Peak-IN	PM Peak-OUT	AM Peak-IN	AM Peak-OUT	PM Peak-IN	PM Peak-OUT	AM Peak-IN	AM Peak-OUT	PM Peak-IN	PM Peak-OUT
2000	15	35	15	35	16	36	15	39	17	36	15	40
2001	3622	3434	3188	3274	3954	3538	3285	3649	4012	3538	3285	3707
2002	2798	1734	2488	1863	3055	1787	2564	2077	3100	1787	2564	2109
2003	484	414	514	404	528	427	530	450	536	427	530	457
2004	0	0	0	0	0	0	0	0	0	0	0	0
2005	96	370	96	220	105	381	99	245	106	381	99	249
2007	4034	3237	3837	3787	4404	3335	3954	4221	4469	3335	3954	4287
2008	337	744	1304	274	368	767	1344	305	373	767	1344	310
2009	129	151	309	176	141	156	318	196	143	156	318	199
2010	70	32	70	132	76	33	72	147	78	33	72	149
2011	322	661	322	111	352	681	332	124	357	681	332	126
2014	416	200	16	300	454	206	16	334	461	206	16	340
2015	0	193	0	23	0	199	0	26	0	199	0	26
2016	8	0	8	0	9	0	8	0	9	0	8	0
2017	43	64	43	0	47	66	44	0	48	66	44	0
2018	213	222	163	322	233	229	168	359	236	229	168	365
2019	22	27	22	27	24	28	23	30	24	28	23	31
2020	19	23	69	23	19	23	69	23	19	23	69	23
2021	48	44	98	44	48	44	98	44	48	44	98	44
2022	55	56	55	36	55	56	55	36	55	56	55	36
2023	13	38	23	23	13	38	23	23	13	38	23	23
2024	12	40	31	23	12	40	31	23	12	40	31	23
2025	8	36	8	36	8	36	8	36	8	36	8	36
2026	13	51	13	36	13	51	13	36	13	51	13	36
2027	13	70	13	48	13	70	13	48	13	70	13	48
2028	7	34	7	34	7	34	7	34	7	34	7	34
2029	108	135	108	141	56	226	226	56	56	226	226	56
2030	24	47	24	17	54	140	140	54	54	140	140	54
2031	27	90	27	30	47	130	130	47	47	130	130	47
2032	119	47	79	94	119	47	79	94	119	47	79	94
2033	92	90	67	113	92	90	67	113	92	90	67	113
2034	66	55	9	15	26	54	54	26	158	130	130	158
2035	15	19	25	19	34	87	87	34	34	87	87	34
2036	36	20	36	20	35	123	123	35	51	204	204	51
2037	22	47	32	47	17	54	54	17	17	54	54	17
2038	107	80	57	136	40	129	129	40	60	240	240	60
2039	11	54	32	54	33	84	84	33	23	93	93	23
2040	101	54	96	62	45	129	129	45	49	170	170	49
2041	13	15	13	15	64	181	181	64	65	262	262	65
2042	61	13	22	13	64	56	58	24	64	56	58	24
2043	57	5	16	5	57	5	16	5	57	5	16	5
2044	5	12	5	12	5	12	5	12	5	12	5	12
2045	25	49	25	51	82	162	162	82	82	162	162	82
2046	48	7	20	7	48	7	20	7	48	7	20	7
2047	8	17	8	17	8	17	8	17	8	17	8	17
2048	10	23	10	23	10	23	10	23	10	23	10	23
2049	6	3	6	3	6	3	6	3	6	3	6	3
2050	69	27	31	27	69	27	31	27	69	27	31	27
2051	76	7	76	7	76	7	76	7	76	7	76	7
2052	9	53	5	53	9	53	5	53	9	53	5	53
2053	4	45	4	10	4	45	4	10	4	45	4	10
2054	55	15	55	15	55	15	55	15	55	15	55	15
2055	7	1	7	1	7	1	7	1	7	1	7	1
2056	61	21	61	21	61	21	61	21	61	21	61	21
2057	1051	553	171	809	1051	553	171	809	1051	553	171	809
2058	21	14	21	14	21	14	21	14	21	14	21	14
2059	74	65	74	69	74	65	74	69	74	65	74	69
2060	26	41	26	44	26	41	26	44	26	41	26	44
2061	46	81	46	85	46	81	46	85	46	81	46	85
2062	75	151	75	164	75	151	75	164	75	151	75	164
2063	71	118	71	122	71	118	71	122	71	118	71	122
2064	0	0	0	0	0	0	0	0	0	0	0	0
2065	47	69	121	89	47	69	121	89	47	69	121	89
2066	44	59	99	99	44	59	99	99	44	59	99	99
2067	2072	3330	2036	2575	2262	3431	2098	2870	2295	3431	2098	2915
2068	0	26	10	66	0	26	10	66	0	26	10	66
2069	0	102	0	11	0	102	0	11	0	102	0	11
2070	15	11	19	11	15	11	19	11	15	11	19	11
TOTALS	17581	17581	16437	16437	18908	18908	17925	17925	19307	19307	18324	18324

APPENDIX D

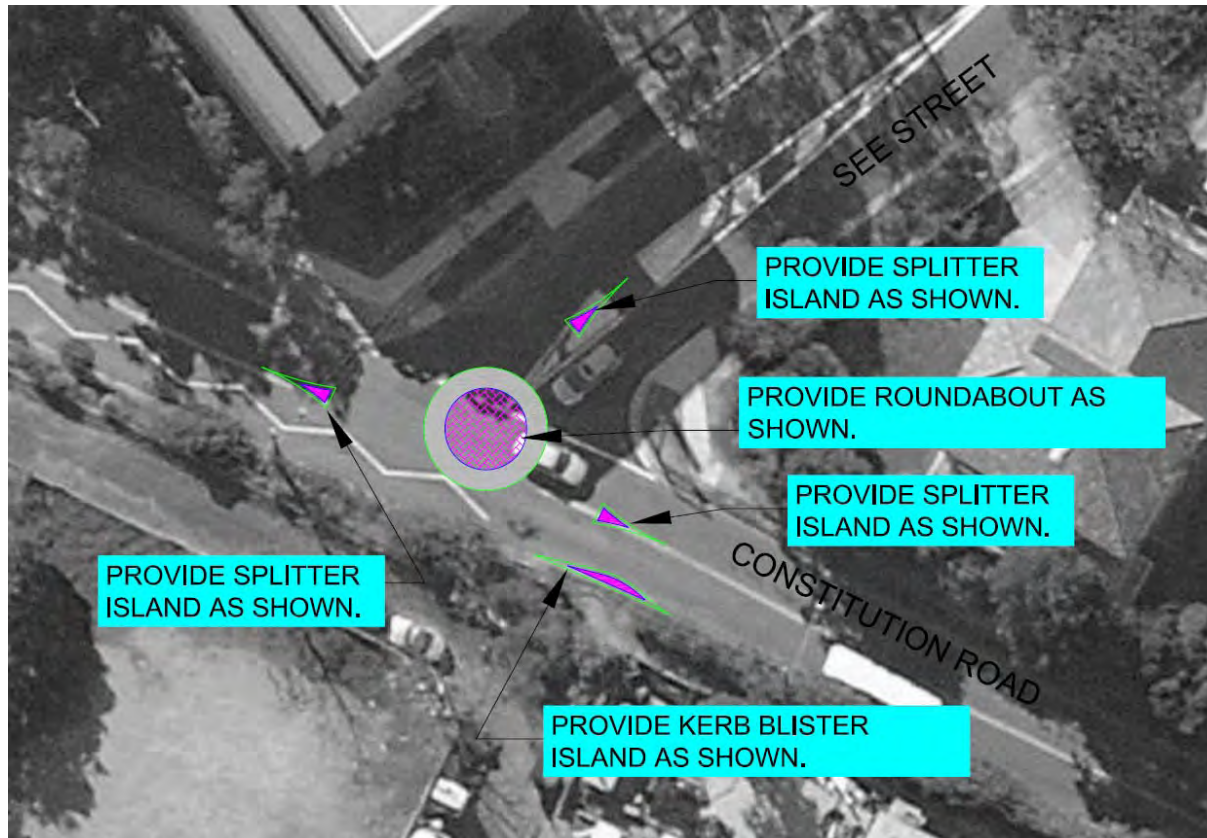
CONCEPTS PLANS AND INDICATIVE CONSTRUCTION COST ESTIMATES

1. Pedestrian Signals at Railway Road



Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 221,900
Traffic Control	\$ 11,700
Project Management	\$ 20,000
Contingency @ 20%	\$ 50,700
Total	\$ 304,300

2. Roundabout at See/Constitution



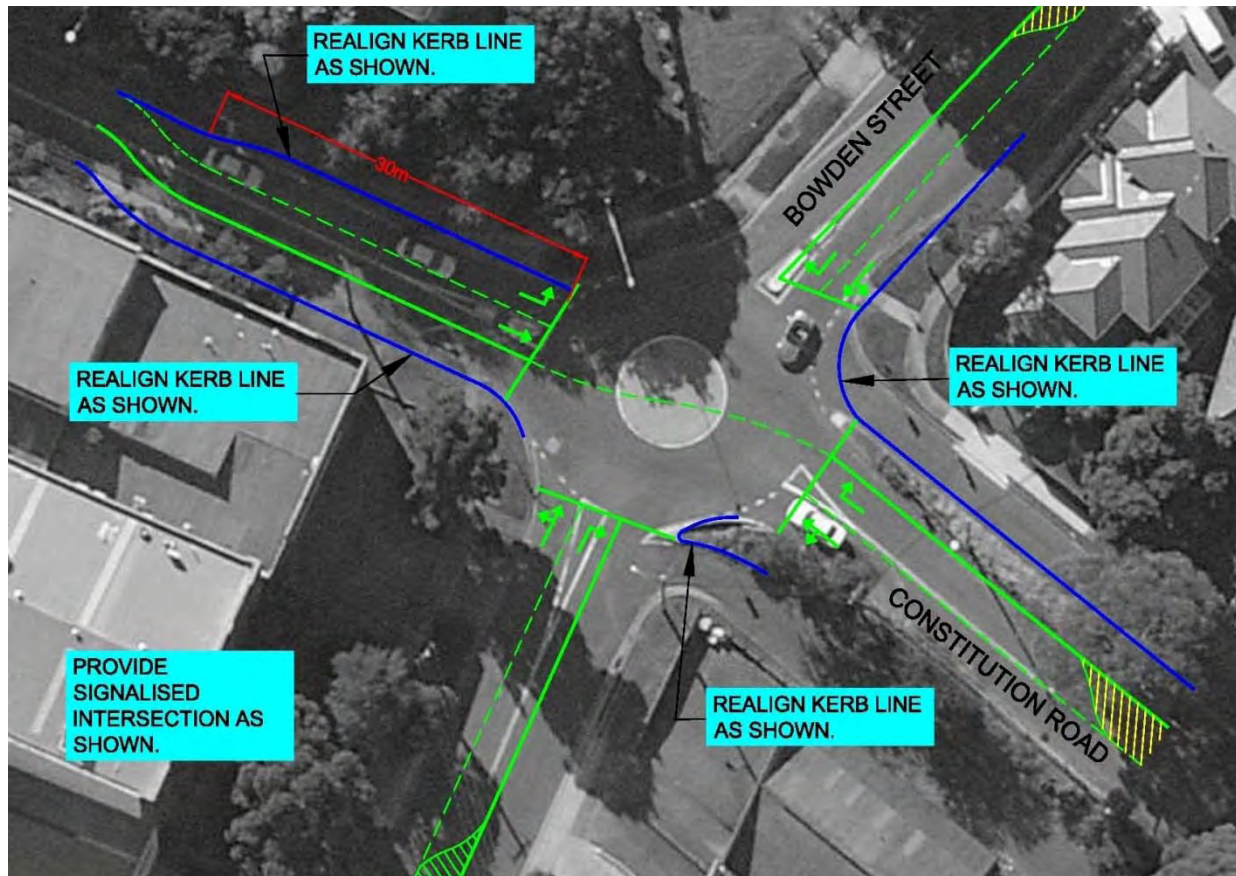
Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 66,600
<i>Traffic Control</i>	\$ 11,700
<i>Project Management</i>	\$ 6,700
<i>Contingency @ 20%</i>	\$ 17,000
Total	\$ 102,000

3. Widening of the Angas Street Bridge



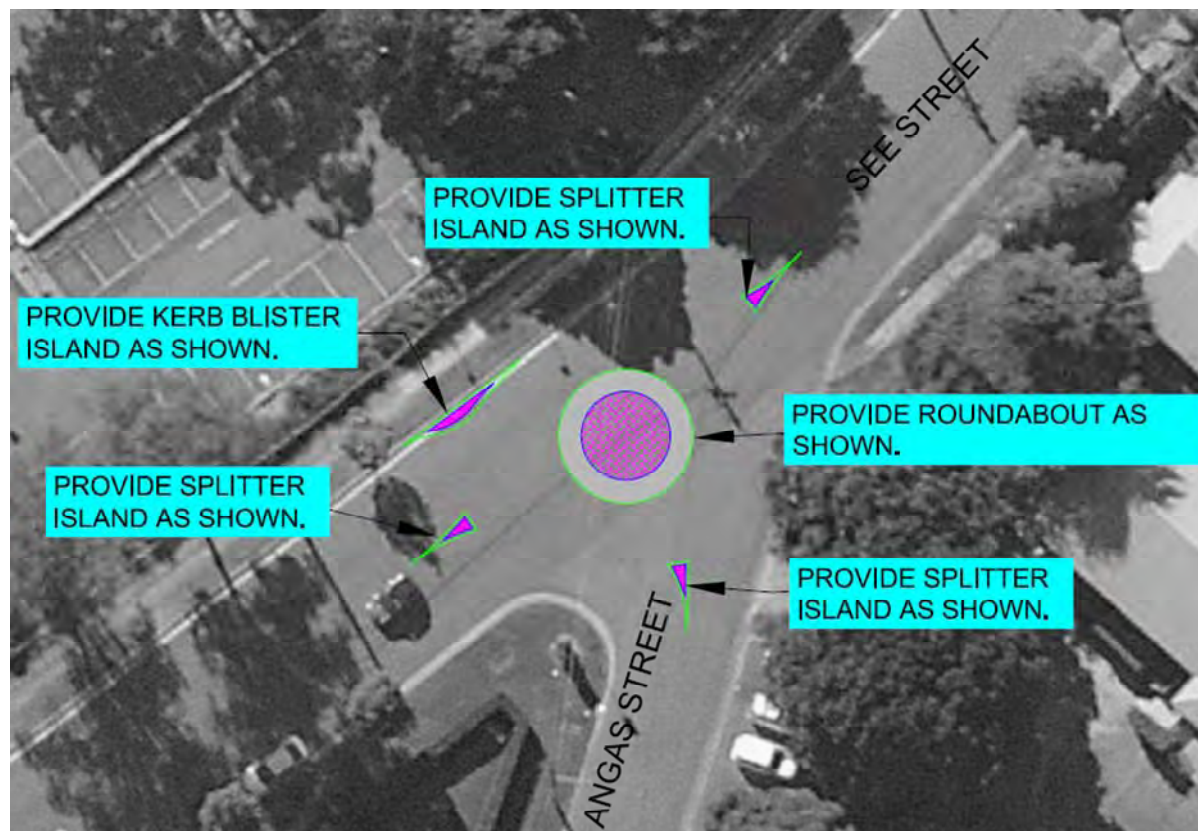
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 214,900
Traffic Control	\$ 16,100
Project Management	\$ 19,700
Contingency @ 20%	\$ 50,100
Total	\$ 300,800

4. Signalising Bowden/Constitution Intersection



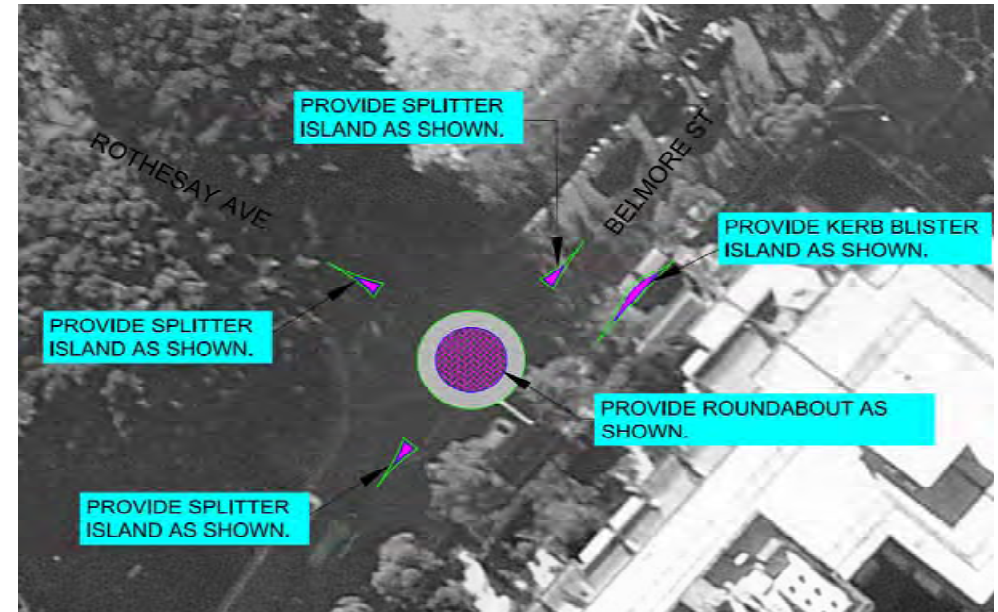
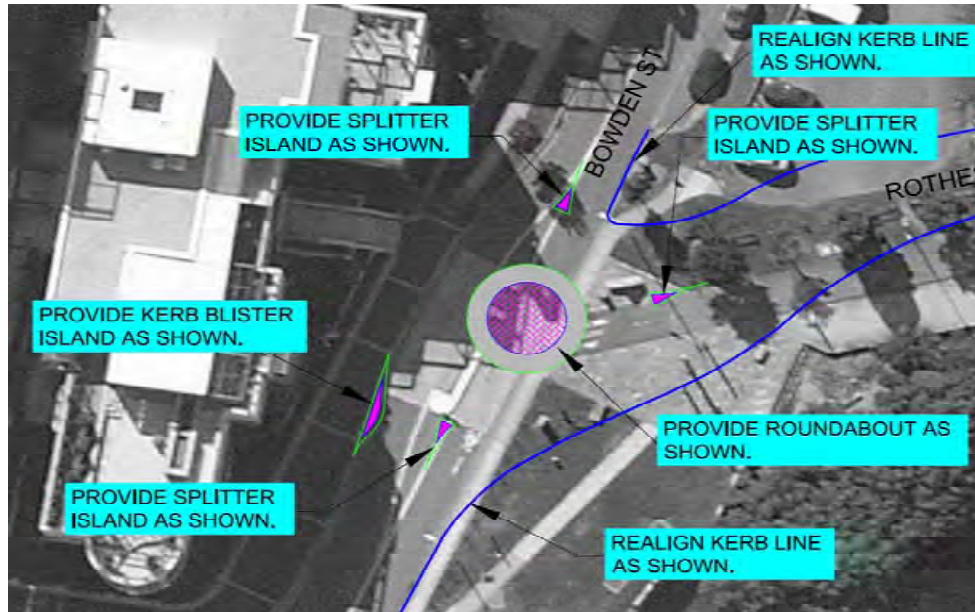
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 450,100
Traffic Control	\$ 13,200
Project Management	\$ 39,600
Contingency @ 20%	\$ 100,600
Total	\$ 603,500

5. Roundabout at See/Angas



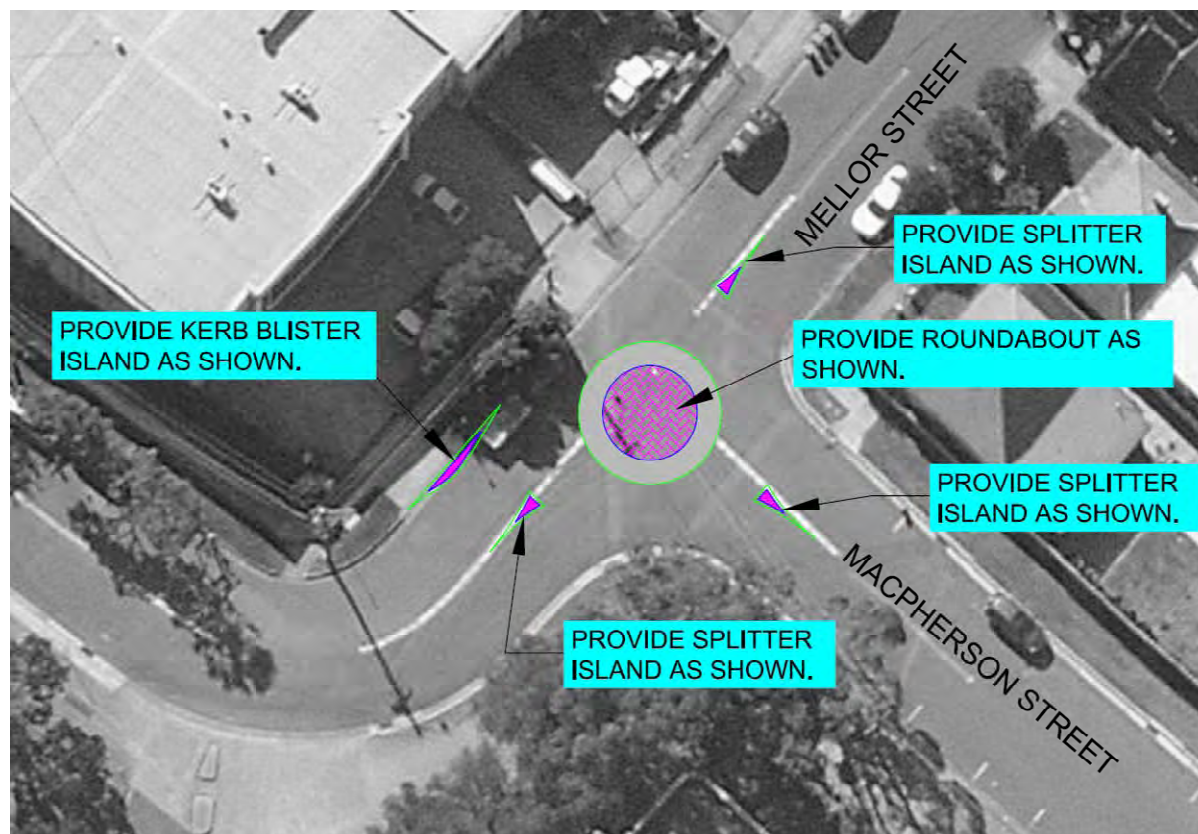
Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 65,600
<i>Traffic Control</i>	\$ 11,700
<i>Project Management</i>	\$ 6,600
<i>Contingency @ 20%</i>	\$ 16,800
Total	\$ 100,700

6. Rothsay Avenue Link & roundabouts at Rothsay/Bowden & Rothsay/Belmore



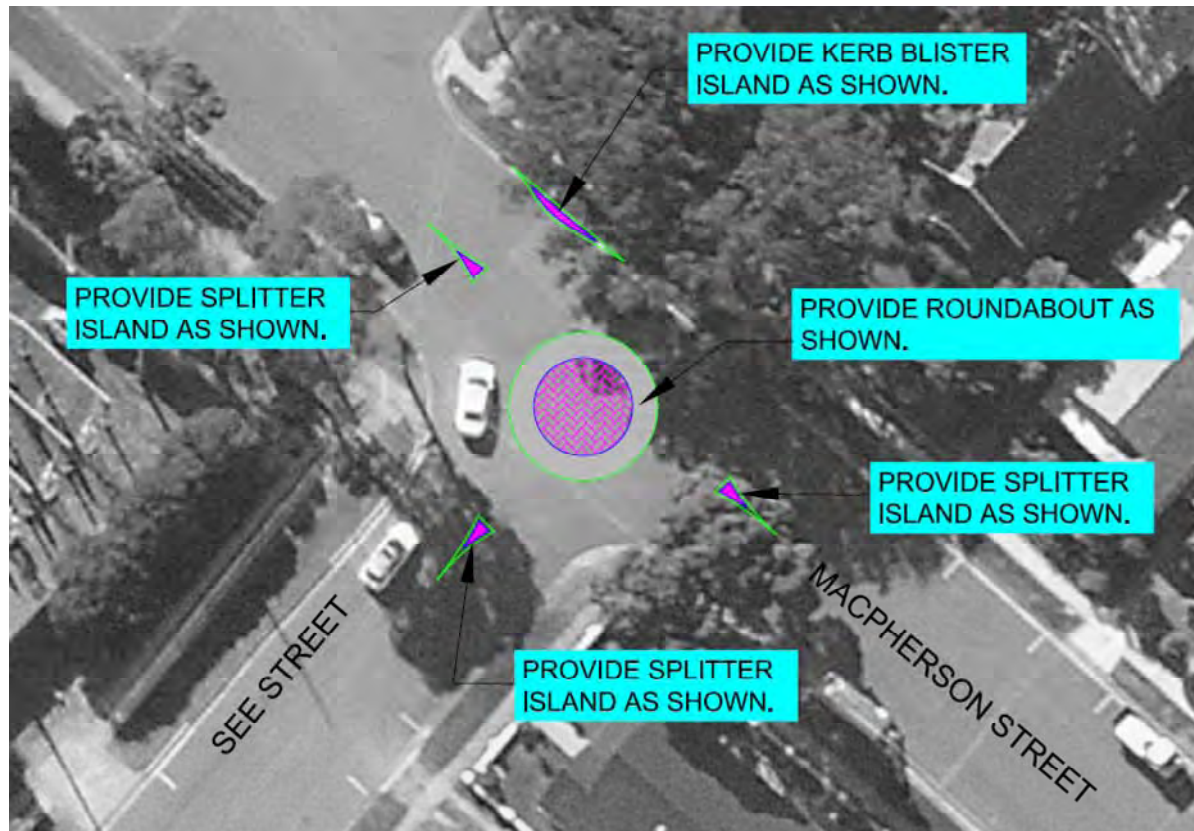
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 352,100
Traffic Control	\$ 13,200
Project Management	\$ 31,200
Contingency @ 20%	\$ 79,300
Total	\$ 475,800

7. Roundabout at McPherson/Rhodes/Mellor



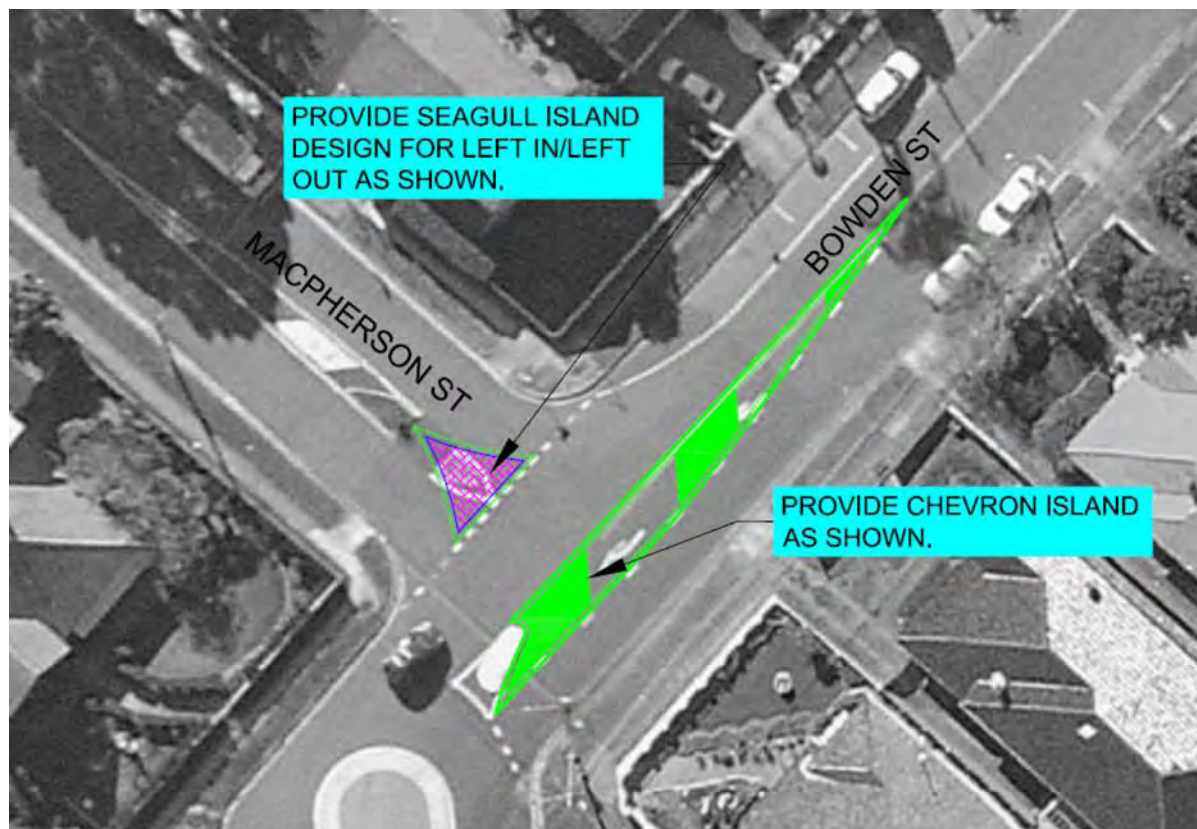
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 71,800
Traffic Control	\$ 11,700
Project Management	\$ 7,100
Contingency @ 20%	\$ 18,100
Total	\$ 108,700

8. Roundabout at McPherson/Rhodes/See



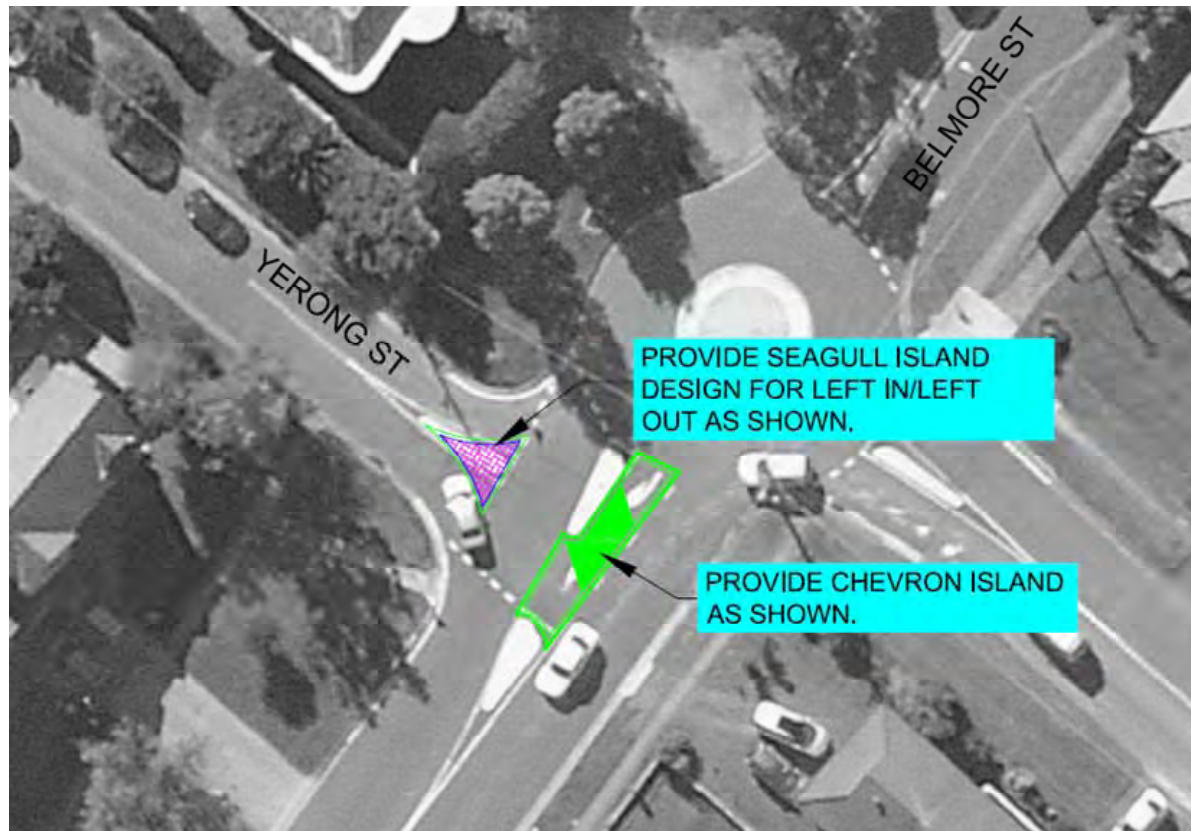
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 71,300
Traffic Control	\$ 11,700
Project Management	\$ 7,100
Contingency @ 20%	\$ 18,000
Total	\$ 108,100

9. Left in/out at McPherson/Bowden



Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 30,900
Traffic Control	\$ 8,800
Project Management	\$ 3,400
Contingency @ 20%	\$ 8,600
Total	\$ 51,700

10. Left in/out at Yerong/Belmore



Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 27,600
Traffic Control	\$ 8,800
Project Management	\$ 3,100
Contingency @ 20%	\$ 7,900
Total	\$ 47,400

11. LATM Scheme in Squire Street



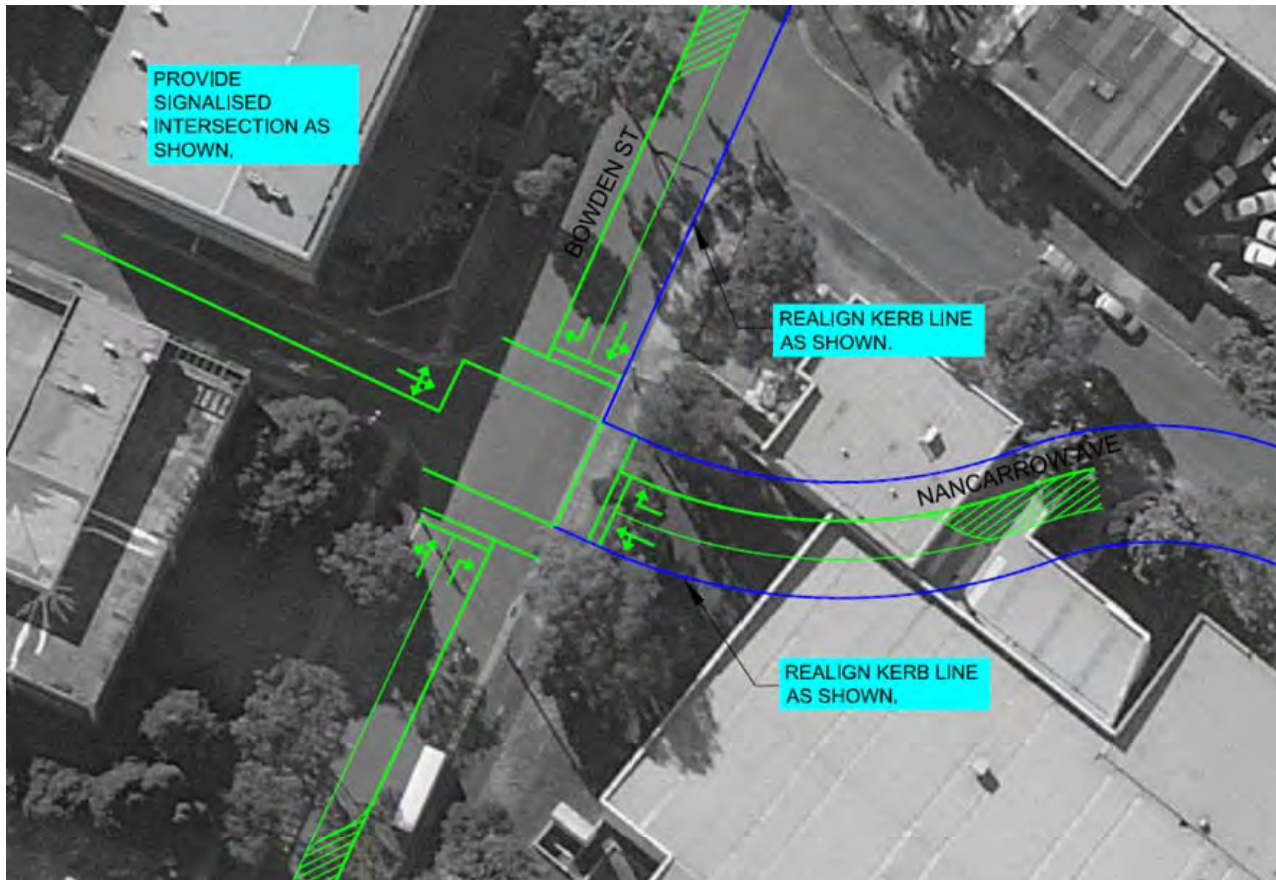
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 65,900
Traffic Control	\$ 8,800
Project Management	\$ 6,400
Contingency @ 20%	\$ 16,200
Total	\$ 97,300

12. LATM Scheme in Hamilton Crescent & Nancarrow Avenue



Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 82,700
Traffic Control	\$ 8,800
Project Management	\$ 7,800
Contingency @ 20%	\$ 19,900
Total	\$ 119,200

13. Underdale/Bowden/Nancarrow signalised intersection & realignment of Nancarrow



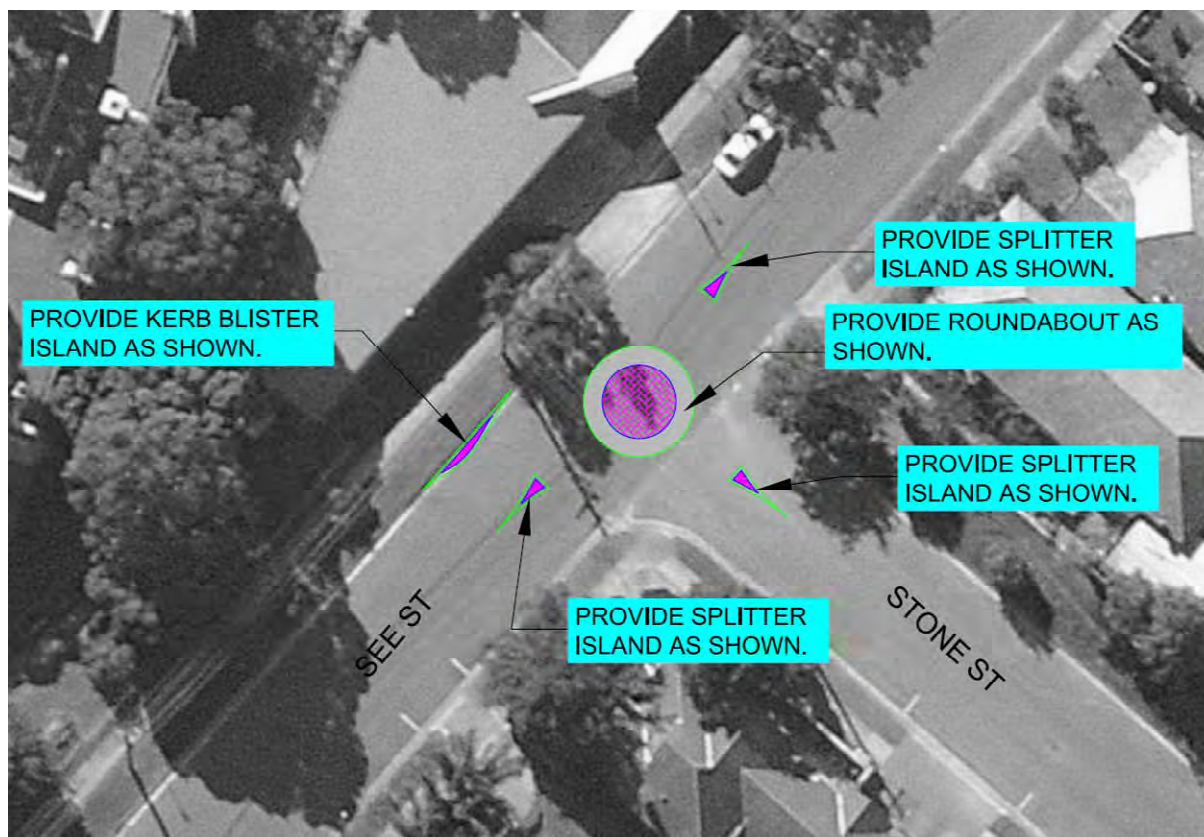
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 343,600
Traffic Control	\$ 13,200
Project Management	\$ 30,500
Contingency @ 20%	\$ 77,500
Total	\$ 464,800

14. LATM Scheme in Underdale Lane



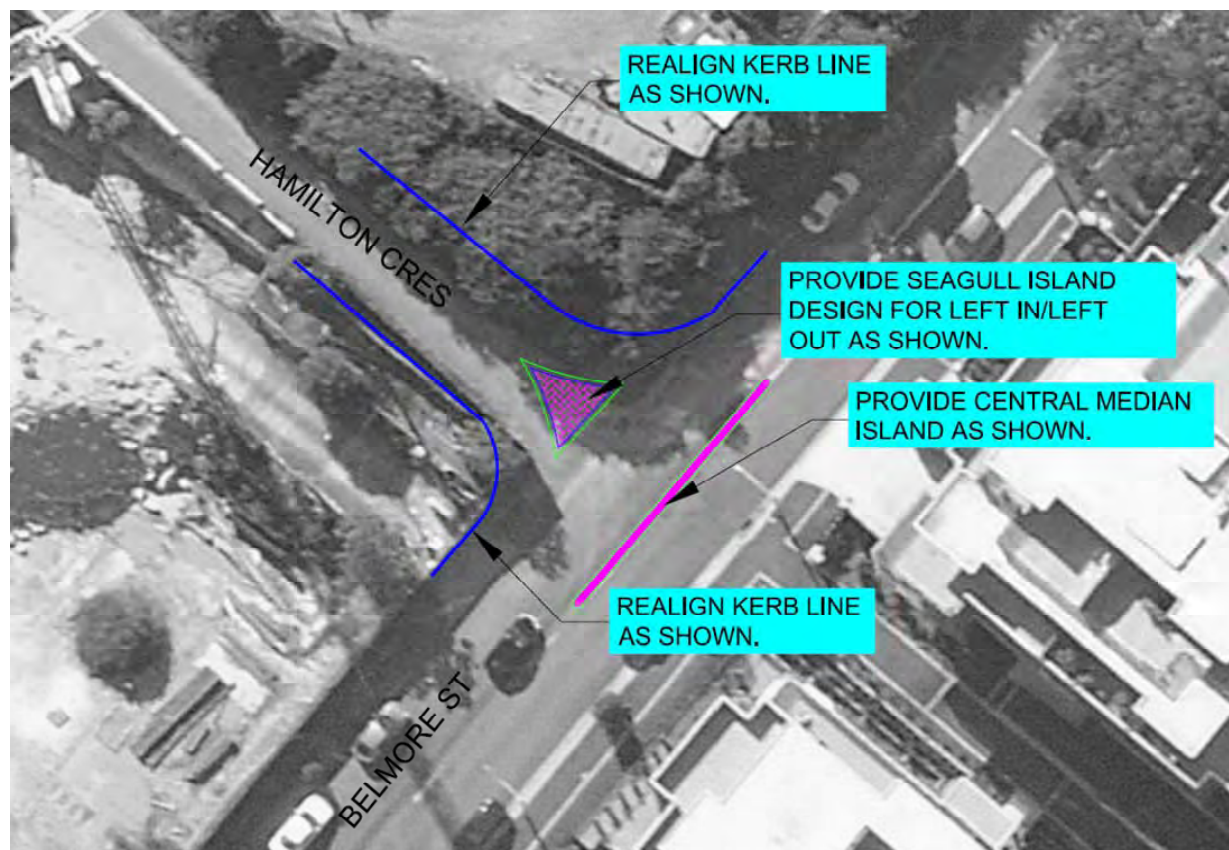
Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 45,500
<i>Traffic Control</i>	\$ 8,800
<i>Project Management</i>	\$ 4,600
<i>Contingency @ 20%</i>	\$ 11,800
Total	\$ 70,700

15. Roundabout at See/Stone



Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 60,100
<i>Traffic Control</i>	\$ 11,700
<i>Project Management</i>	\$ 6,100
<i>Contingency @ 20%</i>	\$ 15,600
Total	\$ 93,500

16. Left in/out at Hamilton/Belmore



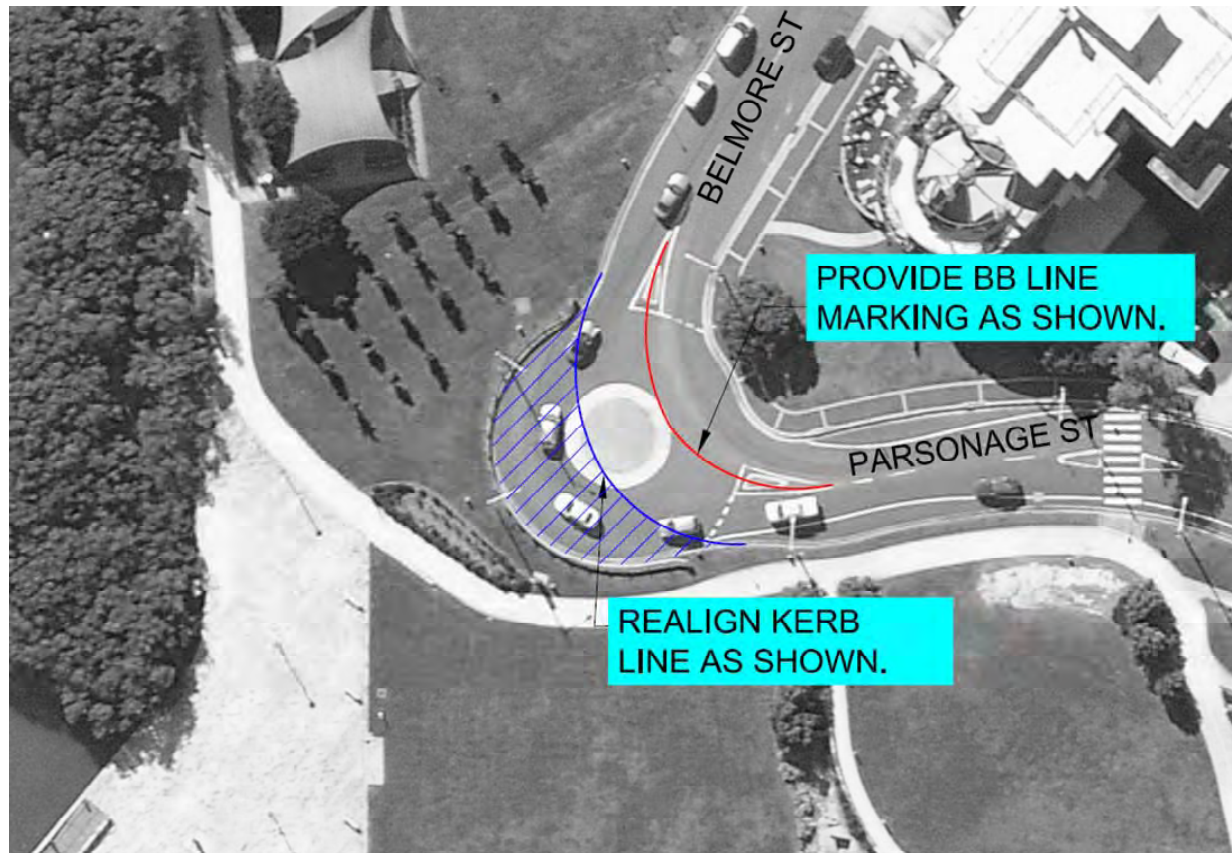
Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 116,000
Traffic Control	\$ 8,800
Project Management	\$ 10,700
Contingency @ 20%	\$ 27,100
Total	\$ 162,600

17. LATM Scheme in Well Street



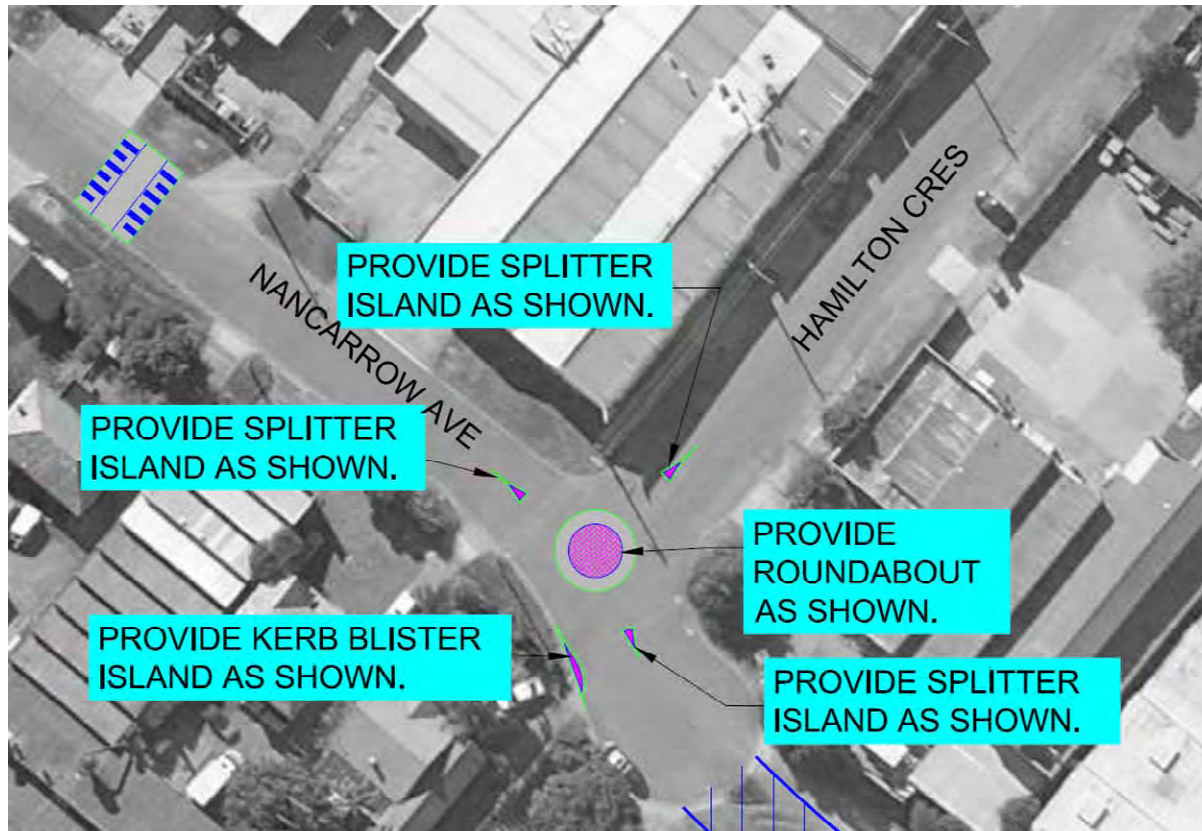
Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 35,700
<i>Traffic Control</i>	\$ 8,800
<i>Project Management</i>	\$ 3,800
<i>Contingency @ 20%</i>	\$ 9,700
Total	\$ 58,000

18. Removal of U-turn potential & modifying alignment at Belmore/Parsonage



Cost Estimate Summary	
Item	TOTAL
Civil Works	\$ 62,200
Traffic Control	\$ 11,700
Project Management	\$ 6,300
Contingency @ 20%	\$ 16,000
Total	\$ 96,200

19. Roundabout at Nancarrow/Hamilton Intersection



Cost Estimate Summary	
Item	TOTAL
<i>Civil Works</i>	\$ 65,400
<i>Traffic Control</i>	\$ 11,700
<i>Project Management</i>	\$ 6,600
<i>Contingency @ 20%</i>	\$ 16,700
Total	\$ 100,400