WYNDHAM NORTH

DEVELOPMENT CONTRIBUTIONS PLAN APPENDICES

SEPTEMBER 2014 (Amended August 2023)



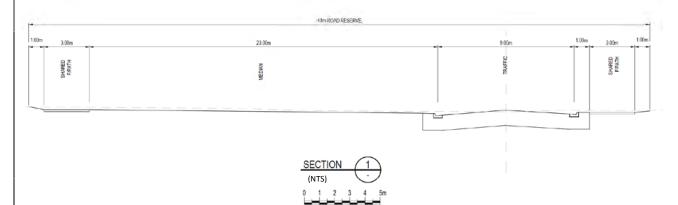


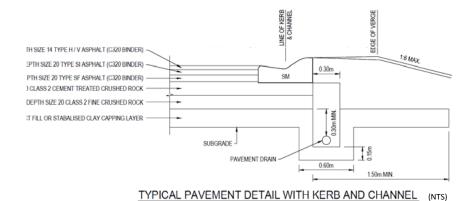


APPENDICES

7.1 Appendix A – Road project costs and plans	4
7.2 Appendix B – Bridge and culvert project costs and plans	7
7.3 Appendix C – Intersection project costs and plans	38
7.4 Appendix D – Recreation project costs and plans	164
7.5 Appendix E – Community facility project costs and plans	166
7.5 Appendix F – Oakbank land budget	170

7.1 Appendix A – Road project costs and plans





(HIGH AND LOW SIDE SIMILAR)

RD-01 Ison Road Interim Construction									
Item	Description	Quantity	Unit	Rate (\$/unit)		ub Tota xcl.GS			
1.00	EARTHWORKS								
1.01	Excavation incl. and disposal off site	15.99	m3	30.00	\$	47			
1.02	Trim and prepare subgrade to receive sub-base	12.30	m2	1.60	\$	1			
1.03	Spread and Compact Fill Onsite	1.60	m3	8.80	\$	1			
1.04	Tests (Density etc.)	0.10	Item	140.00	\$	1			
2.00	CONCRETE WORKS								
2.01	Kerb & Channel (SM1, SM2 & SM3)	2.00	L.m	52.00	\$	10			
2.02	Traffic Islands - 200mm thick reinforced	0.00	m2	***************************************	\$				
2.03	Shared Pathway - 125mm thick reinforced	6.00	m2	51.00	\$	30			
3.00	PAVEMENT WORKS								
3.01	40mm Thick Asphalt (wearing course)	9.00	m2	18.10	\$	16			
3.02	60mm Thick Asphalt (intermediate course)	9.00	m2	31.70	\$	28			
3.03	75mm Thick Asphalt (base course)	9.00	m2	33.90	\$	30			
3.04	Prime	9.00	m2	3.60	\$	3			
3.05	150mm CTCR Base	10.50	m2	13.50	\$	14			
3.06	150mm FCR Base	10.50	m2	9.90	\$	10			
3.07	200mm Select Sub-base Course	12.30	m2	6.00	\$	7			
3.08	Subgrade Improvement (allow 20% of area)	2.46	m2	13.40	\$	3			
4.00	DRAINAGE WORKS								
4.01	AG Drain	2.00	Lm	31.50	\$	6			
4.02	Drainage Pits (60m spacing)	0.02	No.	2,750.00	\$	6			
4.03	375mm dia RCP (crushed rock backfill)	1.20	m	240.00	\$	28			
4.04	375mm dia RCP (earth backfill)	0.00	· m	200.00	\$				
4.05	Break-in and Connection to Existing Drainage	0.00	Item	1,500.00	\$				
5.00	SIGN AND LINEMARKING								
5.01	Linemarking	3.00	Lm	1.75	\$				
5.02	Regulatory Signage	0.01	No.	400.00	\$				
6.00	ELECTRICAL WORKS								
6.01	Street Light poles @ 50m spacing	0.02	No.	6,500.00	\$	13			
6.02	Street Lighting cabling and conduit	1.00	Lm	80.00	\$	8			
7.00	LANDSCAPE WORKS								
7.01	Landscaping (topsoil and turf only)	26.00	m2	8.30	\$	21			
7.02	Landscaping (trees @ 15m, both sides)	0.13	No.	350.00	\$	4			
8.00	SERVICE RELOCATION / PROTECTION								
8.01	Note: No allowance for relocation of existing services in L.m rate				\$				
				Sub-total		2			

Traffic Management 5%	\$ 148.17
Site Establishment 2.5%	\$ 74.08
Survey and Design 5%	\$ 148.17
Supervision and Project Management 9.0%	\$ 266.70
Council Fees (Supervision 1.5%, project management 1% and plan checking 0.75%) 3.25%	\$ 96.31
Vic Roads Fees 1%	\$ 29.63

Contingency 15%	\$ 444.50
Total Estimated Cost per Lineal Meter (excl. GST)	\$ 4,180

NOTES

- 1. All costs exclude GST.
- 2. Costs determined using typical construction rates from similar projects.
- 3. No allowance has been made for Community Liaison, Cultural Heritage, Flora and Fauna / Net Gain Offsets.
- 4. Costing based on GAA Black Forest Rd Precinct Structure Plan, Cross-Section 1, as per MT email 19.12.2012
- 5. Pavement design is indicative only, subject to geotechnical investigation and detailed design.
- 6. Assume landscaping for the extent of road reserve excluding roads and pathways.
- 7. Where Road project includes allowance for 66kv conduit, an additional \$493.00 per lineal metre (\$350l/m + on costs) is added to deliver a rate of \$4,673 per lineal metre



PRELIMINARY
NOT FOR CONSTRUCTION

Note: This cost sheet is derived from the Wyndham West DCP Ison Road Interim Cost as provided to the MPA by Meinhardt as at April 2014

Wyndham North development Contributions Plan
Opinion of Cost
Interim Arterial Road Construction

DOHERTYS ROAD Duplication (Cost per linear meter)									
				Rate	Sub Total				
Item	Description	Quantity	Unit	(\$/unit)	(\$ excl.GST)				
1.00	EARTHWORKS								
1.01	Excavation of existing pavement for new pavement (depth 175mm)	1.050	m3	40.00	\$42.00				
1.02	Excavation of verge for new pavement (depth 475mm)	1.425	m3	30.00	\$42.75				
1.03	Trim and prepare subgrade to receive sub-base (9m wide carriageway)	9.000	m2	1.60	\$14.40				
1.04	Spread and Compact Fill Onsite (verge material 5m wide, 0.5m depth)	2.500	m3	8.80	\$22.00				
2.00	CONCRETE WORKS								
2.01	Kerb & Channel (SM1, SM2 & SM3) kerb on both sides of road	2.000	L.m	52.00	\$104.00				
2.03	Shared Pathway - 125mm thick reinforced (1.5m wide)	0.187	m2	51.00	\$9.54				
3.00	PAVEMENT WORKS								
3.01	40mm Thick Asphalt (wearing course) 9m wide carriageway	9.000	m2	18.10	\$162.90				
3.02	60mm Thick Asphalt (intermediate course) 9m wide carriageway	9.000	m2	31.70	\$285.30				
3.03	75mm Thick Asphalt (base course) 9m wide carriageway	9.000	m2	33.90	\$305.10				
3.04	Prime 9m wide carriageway	9.000	m2	3.60	\$32.40				
3.05	150mm CTCR Base 3m wide carriageway	3.000	m2	13.50	\$40.50				
3.06	150mm FCR Base 3m wide carriageway	3.000	m2	9.90	\$29.70				
3.07	200mm Select Sub-base Course 3m wide carriageway	3.000	m2	6.00	\$18.00				
3.08	Subgrade Improvement (allow 20% of area) 9m wide carriageway	9.000	m2	13.40	\$120.60				
4.00	DRAINAGE WORKS								
4.01	AG Drain (drain on boths sides of road)	2.000	L.m	31.50	\$63.00				
4.02	Drainage Pits (60m spacing)	0.022	No.	2,750.00	\$60.00				
4.03	375mm dia RCP (crushed rock backfill) pipe on boths sides of road	2.000	m	240.00	\$480.00				
5.00	SIGN AND LINEMARKING								
5.01	Linemarking (centre line)	1.000	m	5.00	\$5.00				
7.00	ELECTRICAL WORKS								
7.01	Street Light poles @ 60m spacing	0.009	No.	6,500.00	\$60.00				
7.02	Street Lighting cabling and conduit	1.000	L.m	80.00	\$80.00				
8.00	LANDSCAPE WORKS								
8.01	Landscaping (topsoil and turf only) 3.5m verge + 3m median	6.500	m2	8.30	\$53.95				
8.02	Landscaping (trees) tree every 3m on one side of road	0.333	No.	350.00	\$116.55				
	Sub-total Sub-total				\$2,147.69				
	Traffic Management			5.00%	\$107.38				
	Site Establishment			2.50%	\$53.69				
	Survey and Design			5.00%	\$107.38				
	Supervision and Project Management			9.00%	\$193.29				
	Council Fees (Supervision 2.5%, project management 1% and plan checking 0.75%)			3.25%	\$69.80				
	VicRoads Fees			1.00%	\$21.48				
				L					
	Contingency			15.00%	\$322.15				
	Total Estimated Cost (excl. GST)			ļ	\$3,022.87				

Note:

- 1. This rate shall be added where applicable to the interim arterial road of \$4,180 to deliver a total per lineal metre rate of \$7,203
- 2. Where a duplicated road project also includes allowance for 66kv conduit, an additional \$493.00 per lineal metre (\$350l/m + on costs) is added to deliver a rate of \$7,695 per lineal metre

	SHARED PATH (3M WIDE) COST CALCULATION							
Item	Description	Quantity	Unit	Rate (\$/unit)	Sub Total (\$ excl.GST)			
1.00	EARTHWORKS							
1.01	Excavation to achieve subgrade levels	0.300	m3	40.00	\$12.00			
1.03	Trim and prepare subgrade to receive sub-base	3.000	m2	1.60	\$4.80			
2.00	CONCRETE WORKS							
2.03								
	Shared path - 125mm thick reinforced (3m wide) on 50mm thick fine crushed rock sub-base	3.000	m2	51.00	\$153.00			
8.00	LANDSCAPE WORKS							
8.01	Topsoil disturbed areas adjacent path	2.000	m2	10.00	\$20.00			
8.02	Hydroseed disturbed areas adjacent path	2.000	m2	2.00	\$4.00			
	Sub-total				\$193.80			
	Site Establishment			2.50%	\$4.85			
	Survey and Design			5.00%	\$9.69			
	Supervision and Project Management			9.00%	\$17.44			
	Council Fees (Supervision 2.5%, project management 1% and plan checking 0.75%)			3.25%	\$6.30			
	Continuos			45.000/	¢20.07			
	Contingency			15.00%	\$29.07			
	Total Estimated Cost (excl. GST)				\$261.15			

7.2 Appendix B – Bridge and culvert project costs and plans

BR-89-01

Boundary Rd Bridge at Dry Creek

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	0	\$ -
Structure Costs	2 span structure with 1500mm deep, 28m long Super-T beams	sq m	\$ 4,500.00	723.9	\$ 3,257,550.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 262,000.00	1	\$ 262,000.00
Retaining walls	()	sq m	\$ 800.00	0	\$ _
66kv Underground (Conduit Or	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. Length of structure 28m	lin m	\$ 342.00	28	\$ 9,576.00
				Subtotal	\$ 3,539,126.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 115,021.60
Vicroads Fees	1% of cost of works	item	1%	1	\$ 35,391.26
Traffic Management	5% of cost of works	item	5%	1	\$ 176,956.30
Environmental Management	1% of cost of works	item	1%	1	\$ 35,391.26
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 176,956.30
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 318,521.34
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 88,478.15
Contingency	15% of cost of works	item	20%	1	\$ 707,825.20
				Subtotal	\$ 5,193,667.41
lune 2013 - lune 2014 Indexina	Using ABS Road and bridge construction Victoria	item	2.29%	1 1	\$ 119,052.55
Julie 2015 Julie 2014 Mucking	S South 199 Hour and bridge construction victoria	пеш	2.23/0	TOTAL	\$ 5,312,719.95

BR-89-02

Tarneit Rd Bridge at Dry Creek

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.0	00 1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.9	0 0	\$ -
Structure Costs	2 span structure with 1500mm deep, 28m long Super-T beams	sq m	\$ 4,200.0	780.9	\$ 3,279,780.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 262,000.0	00 1	\$ 262,000.00
Retaining walls		sq m	\$ 800.0	0 0	\$ -
66kv Underground (Conduit Or	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. Length of structure 28m	lin m	\$ 342.0	00 28	\$ 9,576.00
	Subtotal	\$ 3,561,356.00			
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 115,744.07
Vicroads Fees	1% of cost of works	item	1%	1	\$ 35,613.56
Traffic Management	5% of cost of works	item	5%	1	\$ 178,067.80
Environmental Management	1% of cost of works	item	1%	1	\$ 35,613.56
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 178,067.80
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 320,522.04
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 89,033.90
Contingency	15% of cost of works	item	20%	1	\$ 712,271.20
				Subtotal	\$ 5,226,289.93
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 119,800.34
		•	_	TOTAL	\$ 5,346,090.27

June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 119,800.34
			TOTAL	\$ 5,346,090.27

BR-89-03

Dohertys Rd Bridge at Dry Creek

Description	Detail	Unit		Rate	Qty		Amount	
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00	
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	0	\$	-	
Structure Costs	2 span structure with 1500mm deep, 29m long Super-T beams	sq m	\$	4,200.00	1616.6	\$	6,789,720.00	
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$	262,000.00	1	\$	262,000.00	
Retaining walls		sq m	\$	800.00	0	\$	-	
66kv Underground (Conduit Only)	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. Length of structure 28m	lin m	\$	342.00	29	\$	9,918.00	
Council Fees	3.25% of cost of works	item		3.25%	1	\$	229,828.24	
Vicroads Fees	1% of cost of works	item		1%	1	\$	70,716.38	
Traffic Management	5% of cost of works	item		5%	1	\$	353,581.90	
Environmental Management	1% of cost of works	item		1%	1	\$	70,716.38	
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	353,581.90	
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	636,447.42	
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	176,790.95	
Contingency	15% of cost of works	item		20%	1	\$	1,414,327.60	
					Subtotal	\$	10,377,628.77	
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	237,882.61	
					TOTAL	\$	10,615,511.37	

BR-89-04

Pedestrian bridge across Regional Rail Link

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	0	\$ -
Structure Costs	Single span structure over railway with ramped approaches	sq m	\$ 6,200.00	134	\$ 833,280.00
Bridge ramps		sq m	\$ 4,200.00	756	\$ 3,175,200.00
Retaining walls		sq m	\$ 800.00	0	\$ -
				Subtotal	\$ 4,018,480.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 130,600.60
Vicroads Fees	1% of cost of works	item	1%	1	\$ 40,184.80
Traffic Management	5% of cost of works	item	5%	1	\$ 200,924.00
Environmental Management	1% of cost of works	item	1%	1	\$ 40,184.80
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 200,924.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 361,663.20
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 100,462.00
Contingency	15% of cost of works	item	20%	1	\$ 803,696.00
				Subtotal	\$ 5,897,119.40
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 135,177.52
				TOTAL	\$ 6,032,296.92

Boundary Rd Bridge at Skeleton Creek

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	0	\$ -
Structure Costs	Single span structure with 1200mm deep, 20m long Super-T beams	sq m	\$ 4,300.00	266.7	\$ 1,146,810.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 262,000.00	1	\$ 262,000.00
Retaining walls		sq m	\$ 800.00	0	\$ -
				Subtotal	\$ 1,418,810.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 46,111.33
Vicroads Fees	1% of cost of works	item	1%	1	\$ 14,188.10
Traffic Management	5% of cost of works	item	5%	1	\$ 70,940.50
Environmental Management	1% of cost of works	item	1%	1	\$ 14,188.10
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 70,940.50
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 127,692.90
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 35,470.25
Contingency	15% of cost of works	item	20%	1	\$ 283,762.00
				Subtotal	\$ 2,082,103.68
			•		
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 47,727.30
				TOTAL	\$ 2,129,830.98

BR-90-02 Dohertys Rd Bridge at Skeleton Creek

Description	Detail	Unit	Rate	Qty	,		Amount
Clearing & Grubbing		item	\$ 10,000	0.00 1		\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45	5.90 0		\$	-
Structure Costs	Single span structure with 600mm deep, 17m long PSC planks	sq m	\$ 4,000	0.00 487.7	'2	\$	1,950,880.00
D. C. L. C.	30m off structure barrier on each corner (120m total) + 30m guard fence approach	item	\$ 262,000	0.00 1		\$	262,000.00
Bridge approach barriers	(120m total) including BCTA (4 no.)		4			_	
Retaining walls	Continue and a 2No 450 and Conduit leastly and 4No 400 and a said it is 2 above.	sq m	\$ 800	0.00		\$	-
66kv Underground (Conduit Or	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. Length of structure 17m	lin m	\$ 342	2.00 17		\$	5,814.00
		•		Subto	tal	\$	2,228,694.00
Council Fees	3.25% of cost of works	item	3.25%	1		\$	72,432.56
Vicroads Fees	1% of cost of works	item	1%	1		\$	22,286.94
Traffic Management	5% of cost of works	item	5%	1		\$	111,434.70
Environmental Management	1% of cost of works	item	1%	1		\$	22,286.94
Professional Fees	Survey & Design 5% of cost of works	item	5%	1		\$	111,434.70
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1		\$	200,582.46
Site Establishment	2.5% of cost of works	item	2.5%	1		\$	55,717.35
Contingency	15% of cost of works	item	20%	1		\$	445,738.80
				Subto	tal	\$	3,270,608.45
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1		\$	74,970.97
				TOTA	١L	\$	3,345,579.41

Leakes Rd Bridge crossing of Skeleton Creek

Description	Detail	Unit		Rate	Qty	Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	0	\$ -
Structure Costs	2 span structure with 1200mm deep, 25m long Super-T beams	sq m	\$	4,500.00	652.78	\$ 2,937,510.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 2	262,000.00	1	\$ 262,000.00
Retaining walls		sq m	\$	800.00	0	\$ -
66kv Underground (Conduit Only)	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. Length of structure 28m	lin m	\$	342.00	125	\$ 42,750.00
					Subtotal	\$ 3,252,260.00
Council Fees	3.25% of cost of works	item		3.25%	1	\$ 105,698.45
Vicroads Fees	1% of cost of works	item		1%	1	\$ 32,522.60
Traffic Management	5% of cost of works	item		5%	1	\$ 162,613.00
Environmental Management	1% of cost of works	item		1%	1	\$ 32,522.60
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$ 162,613.00
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$ 292,703.40
Site Establishment	2.5% of cost of works	item		2.5%	1	\$ 81,306.50
Contingency	15% of cost of works	item		20%	1	\$ 650,452.00
					Subtotal	\$ 4,772,691.55
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$ 109,402.67
	•				TOTAL	\$ 4,882,094.22

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	58800	\$	2,698,920.00
Structure Costs	Single span structure over rail with 1000mm deep, Super-T beams	sq m	\$ 4,700.00	293.15	\$	1,377,805.00
	Single span structure over road underpass	sq m	\$ 4,700.00	286	\$	1,344,200.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 262,000.00	3	\$	786,000.00
Retaining walls		sq m	\$ 800.00	1100	\$	880,000.00
Pavement		sq m	\$ 180.00	2975	\$	535,500.00
Kerb & Channel		lin m	\$ 42.00	850	\$	35,700.00
Footpath		sq m	\$ 48.00	2550	\$	122,400.00
Drainage	Subsoil Drains	lin m	\$ 24.50	850	\$	20,825.00
	Drainage Pits	No	\$ 2,100.00	15	\$	31,500.00
	Drainage Pipe	lin m	\$ 150.00	600	\$	90,000.00
Miscellaneous	Line Marking	item	\$ 15,000.00	1	\$	15,000.00
	Signage	No	\$ 250.00	10	\$	2,500.00
Melbourne Water 1150 Dia Main						
	Culvert Base Slab*	cu m	\$ 801.20	226	\$	181,071.98
	Insitue Culvert*	cu m	\$ 1,709.89	266	\$	454,829.51
	Culvert Wingwalls*	cu m	\$ 1,709.89		\$	58,136.10
	Culvert Headwalls*	cu m	\$ 2,735.82	2	\$	5,471.63
	1150 dia Main (include site setup)*	lin m	\$ 2,247.28	80	\$	179,782.23
	Removal of old main *	lin m	\$ 488.54	80	\$	39,083.09
	Conenction to exisitng main*	item	\$ 48,853.87	1	\$	48,853.87
66kv Underground (Conduit Only)	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material.	lin m	\$ 342.00	9	\$	3,078.00
		•		Subtotal	\$	8,920,656.42
Council Fees	3.25% of cost of works	item	3.25%	1	\$	289,921.33
Vicroads Fees	1% of cost of works	item	1%	1	\$	89,206.56
Traffic Management	5% of cost of works	item	5%	1	\$	446,032.82
Environmental Management	1% of cost of works	item	1%	1	\$	89,206.56
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	446,032.82
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	802,859.08
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	223,016.41
Contingency	15% of cost of works	item	20%	1	Ś	1,784,131.28
<u> </u>			20,0	Subtotal	Ś	13,091,063.30

June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 300,081.68
		•		TOTAL	\$ 13,391,144.98

^{*} These items were originally inserted in SMEC cost at June 2014 \$ - the rates therefore have been indexed back to June 2013 \$ to ensure no duplication of cost sheet indexing

97.7%

Pedestrian bridge across Regional Rail Link

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,00	0.00 1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 4	5.90 0	\$	-
Structure Costs	Single span structure over railway with ramped approaches	sq m	\$ 6,20	0.00 134.4	\$	833,280.00
Bridge ramps		sq m	\$ 4,20	0.00 756	\$	3,175,200.00
Retaining walls		sq m	\$ 80	0.00 0	\$	-
				Subtotal	\$	4,018,480.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$	130,600.60
Vicroads Fees	1% of cost of works	item	1%	1	\$	40,184.80
Traffic Management	5% of cost of works	item	5%	1	\$	200,924.00
Environmental Management	1% of cost of works	item	1%	1	\$	40,184.80
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	200,924.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	361,663.20
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	100,462.00
Contingency	15% of cost of works	item	20%	1	\$	803,696.00
				Subtotal	\$	5,897,119.40
				-	-	
June 2013 - June 2014 Indexin	g Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	135,177.52
	•	•	•	TOTAL	\$	6,032,296.92

Duplication of Dohertys Road bridge over Reigonal Rail Link

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	27355	\$	1,255,594.50
Structure Costs	Single span structure with 1000mm deep, Super-T beams	sq m	\$	4,700.00	344.4	\$	1,618,680.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach	item	\$	262,000.00	2	\$	524,000.00
Retaining walls	(120m total) including BCTA (4 no.)	sa m	\$	800.00	211	\$	168,800.00
Retailing wans	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase +	sq m	٦	800.00	211	ې	100,000.00
	Sheild) and trenching and backfille with thermally treated material. Length of structure	1:	ے ا	242.00	21	ب ا	7 102 00
66kv Underground (Conduit Only)	28m	lin m	\$	342.00	21	\$	7,182.00
Pavement	Construct deep strength pavement (Arterial Pavement), including wearing course		_	100.00	- 100	_	.=
	(420mm depth)	sq m	\$	180.00	5400	\$	972,000.00
Kerb & Channel		lin m	\$	42.00	1200	\$	50,400.00
Footpath	Concrete	sq m	\$	48.00	1800	\$	86,400.00
Drainage	Subsoil Drains	lin m	\$	24.50	750	\$	18,375.00
	Drainage Pits	No	\$	2,100.00	15	\$	31,500.00
	Drainage Pipe	lin m	\$	150.00	600	\$	90,000.00
Miscellaneous	Line Marking	item	\$	15,000.00	1	\$	15,000.00
	Signage	No	\$	250.00	10	\$	2,500.00
					Subtotal	\$	4,850,431.50
Council Fees	3.25% of cost of works	item		3.25%	1	\$	157,639.02
Vicroads Fees	1% of cost of works	item		1%	1	\$	48,504.32
Traffic Management	5% of cost of works	item		5%	1	\$	242,521.58
Environmental Management	1% of cost of works	item		1%	1	\$	48,504.32
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	242,521.58
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	436,538.84
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	121,260.79
Contingency	15% of cost of works	item		20%	1	\$	970,086.30
					Subtotal	\$	7,118,008.23
luno 2012 luno 2014 Indovina	Using ADC Dood and heidge construction Victoria	:4		2.200/	4	۲.	162 162 54
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	163,163.51
					TOTAL	\$	7,281,171.74

BR-91-01

Pedestrian bridge across Regional Rail Link

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	0	\$ -
Structure Costs	Single span structure over railway with ramped approaches	sq m	\$ 6,200.00	134.4	\$ 833,280.00
Bridge ramps		sq m	\$ 4,200.00	756	\$ 3,175,200.00
Retaining walls		sq m	\$ 800.00	0	\$ -
				Subtotal	\$ 4,018,480.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 130,600.60
Vicroads Fees	1% of cost of works	item	1%	1	\$ 40,184.80
Traffic Management	5% of cost of works	item	5%	1	\$ 200,924.00
Environmental Management	1% of cost of works	item	1%	1	\$ 40,184.80
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 200,924.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 361,663.20
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 100,462.00
Contingency	15% of cost of works	item	20%	1	\$ 803,696.00
				Subtotal	\$ 5,897,119.40
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 135,177.52
				TOTAL	\$ 6,032,296.92

BR-91-02 Sayers Rd bridge over Regional Rail Link

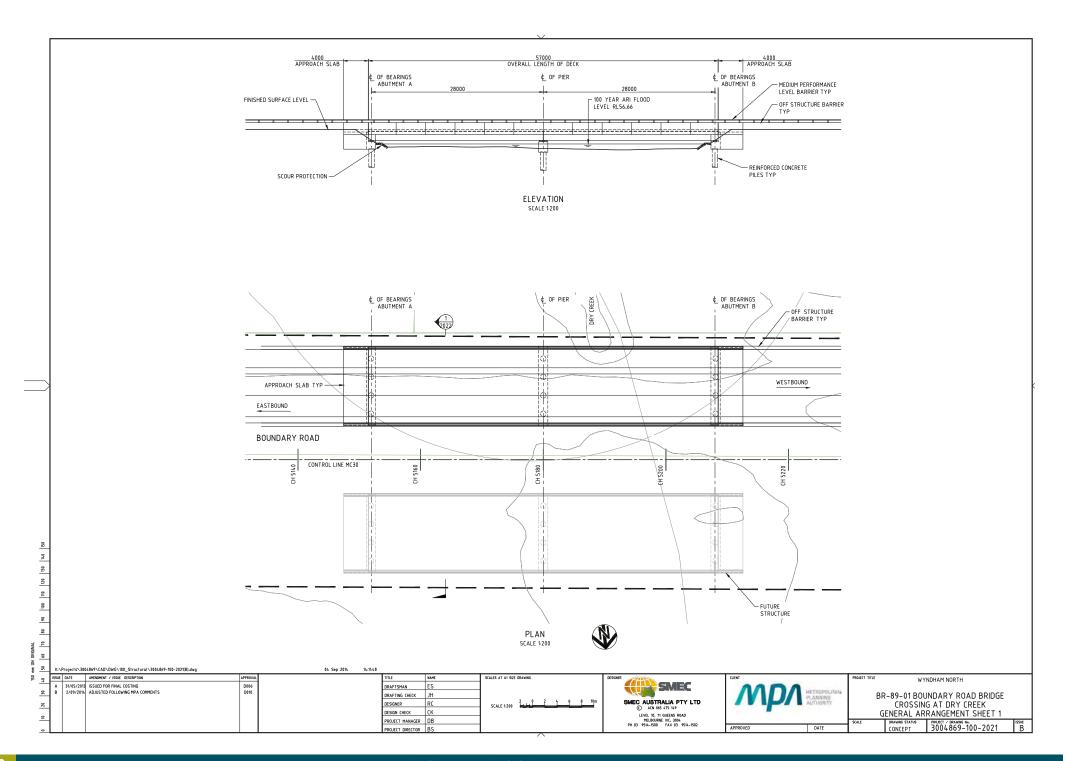
Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	82700	\$	3,795,930.00
Structure Costs	Single span structure with 1000mm deep, Super-T beams	sq m	\$	4,700.00	266.5	\$	1,252,550.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach	itana	\$ 2	262,000,00	2	۲	F24 000 00
	(120m total) including BCTA (4 no.)	item	γ	262,000.00	2	\$	524,000.00
Retaining walls		sq m	\$	800.00	400	\$	320,000.00
Pavement		sq m	\$	180.00	2270	\$	408,600.00
Kerb & Channel		lin m	\$	42.00	650	\$	27,300.00
Footpath		sq m	\$	48.00	1945	\$	93,360.00
Drainage	Subsoil Drains	lin m	\$	24.50	650	\$	15,925.00
	Drainage Pits	No	\$	2,100.00	12	\$	25,200.00
	Drainage Pipe	lin m	\$	150.00	460	\$	69,000.00
Miscellaneous	Line Marking	item	\$	15,000.00	1	\$	15,000.00
	Signage	No	\$	250.00	8	\$	2,000.00
					Subtotal	\$	6,558,865.00
Council Fees	3.25% of cost of works	item	:	3.25%	1	\$	213,163.11
Vicroads Fees	1% of cost of works	item		1%	1	\$	65,588.65
Traffic Management	5% of cost of works	item		5%	1	\$	327,943.25
Environmental Management	1% of cost of works	item		1%	1	\$	65,588.65
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	327,943.25
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	590,297.85
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	163,971.63
Contingency	15% of cost of works	item		20%	1	\$	1,311,773.00
		•			Subtotal	\$	9,625,134.39

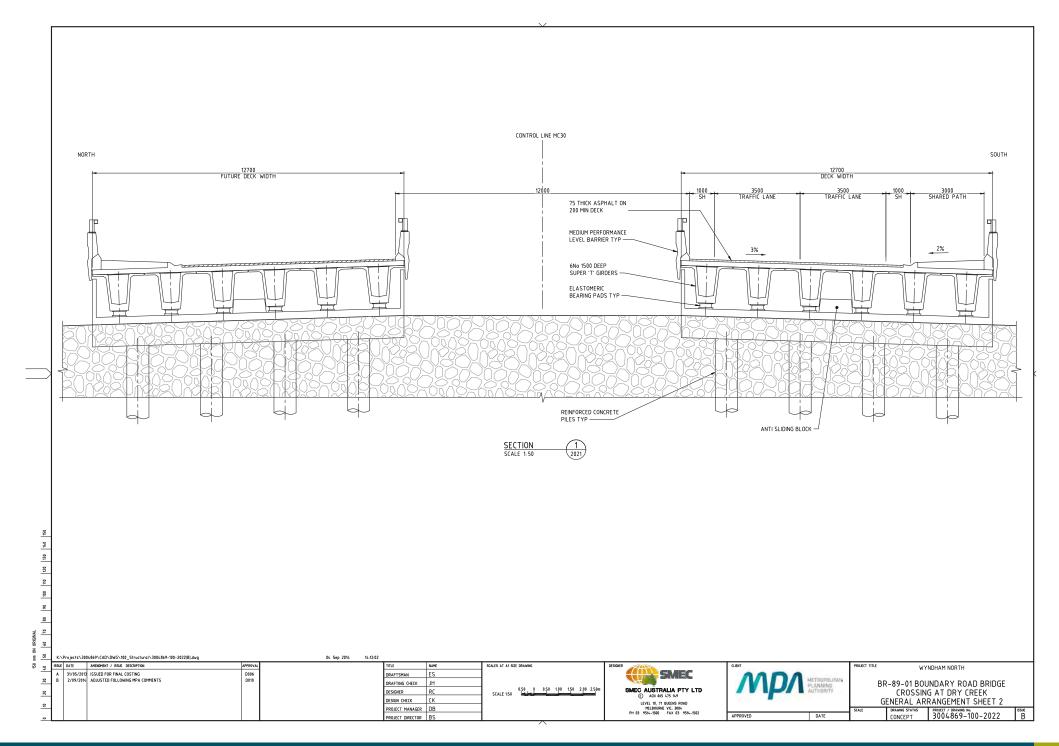
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 220,633.45
				TOTAL	\$ 9,845,767.84

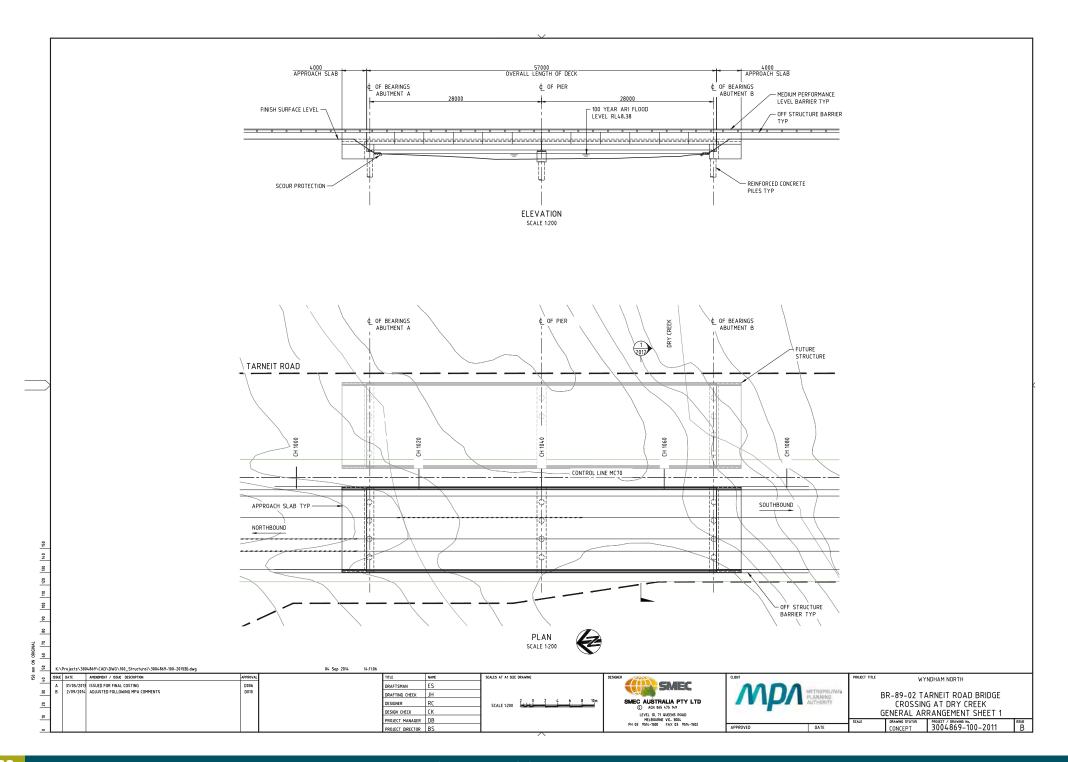
BR-91-04

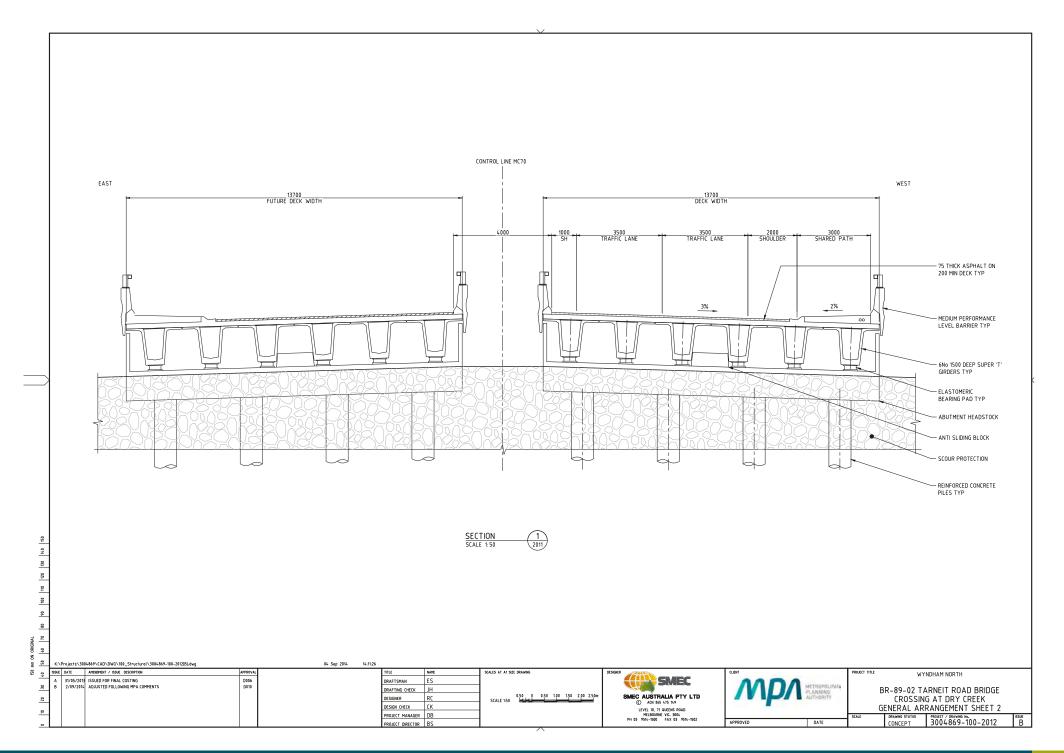
Hogans Rd Bridge at Davis Creek

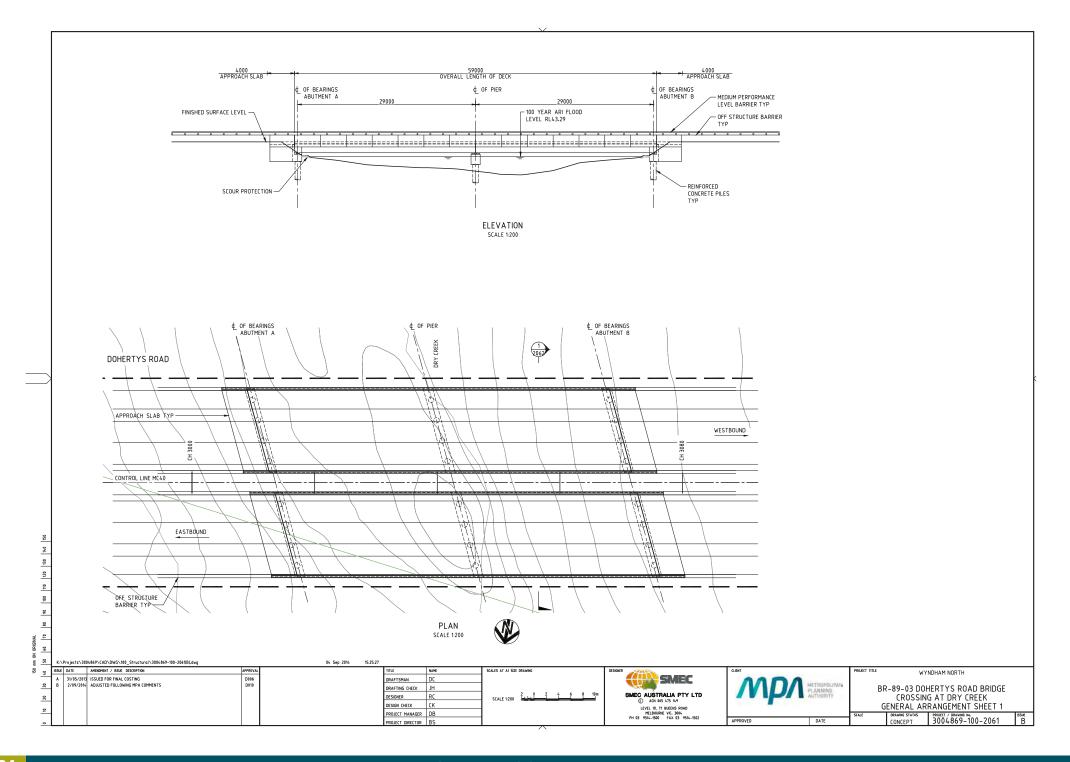
Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	0	\$ -
Structure Costs	2 span structure with 1500mm deep, 28m long Super-T beams	sq m	\$ 4,200.00	561.7	\$ 2,359,140.00
Bridge approach barriers	30m off structure barrier on each corner (120m total) + 30m guard fence approach (120m total) including BCTA (4 no.)	item	\$ 262,000.00	1	\$ 262,000.00
Retaining walls		sq m	\$ 800.00	0	\$ -
				Subtotal	\$ 2,631,140.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 85,512.05
Vicroads Fees	1% of cost of works	item	1%	1	\$ 26,311.40
Traffic Management	5% of cost of works	item	5%	1	\$ 131,557.00
Environmental Management	1% of cost of works	item	1%	1	\$ 26,311.40
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 131,557.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 236,802.60
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 65,778.50
Contingency	15% of cost of works	item	20%	1	\$ 526,228.00
				Subtotal	\$ 3,861,197.95
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 88,508.84
				TOTAL	\$ 3,949,706.79

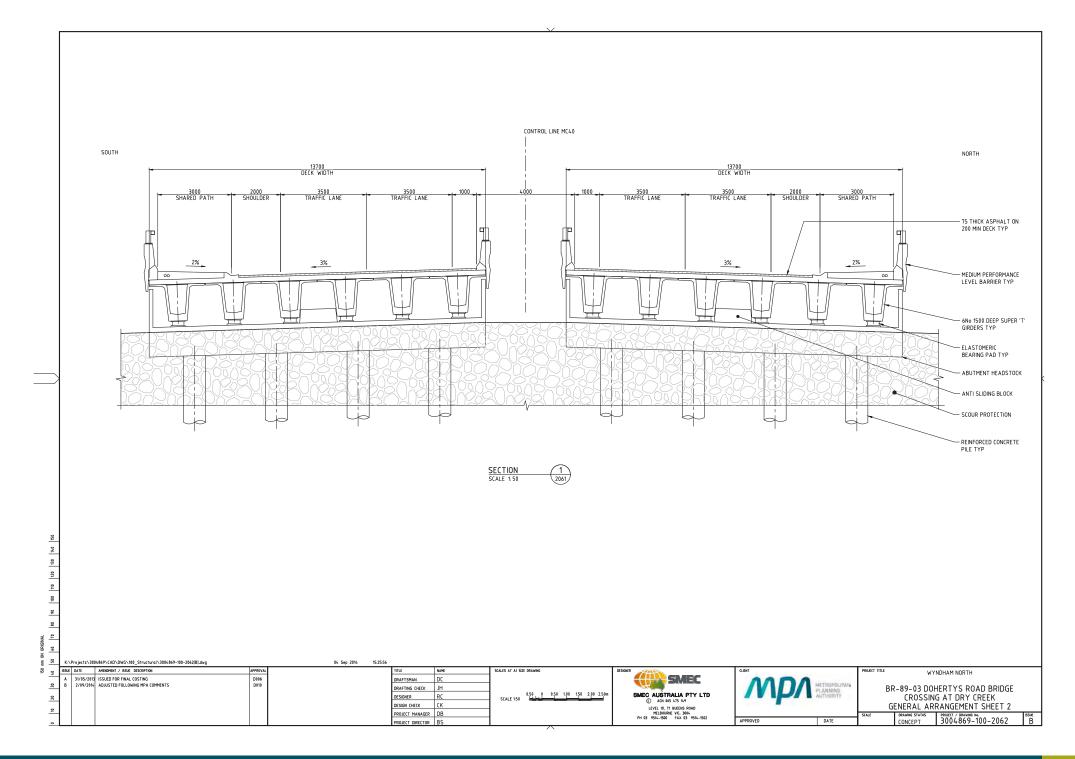


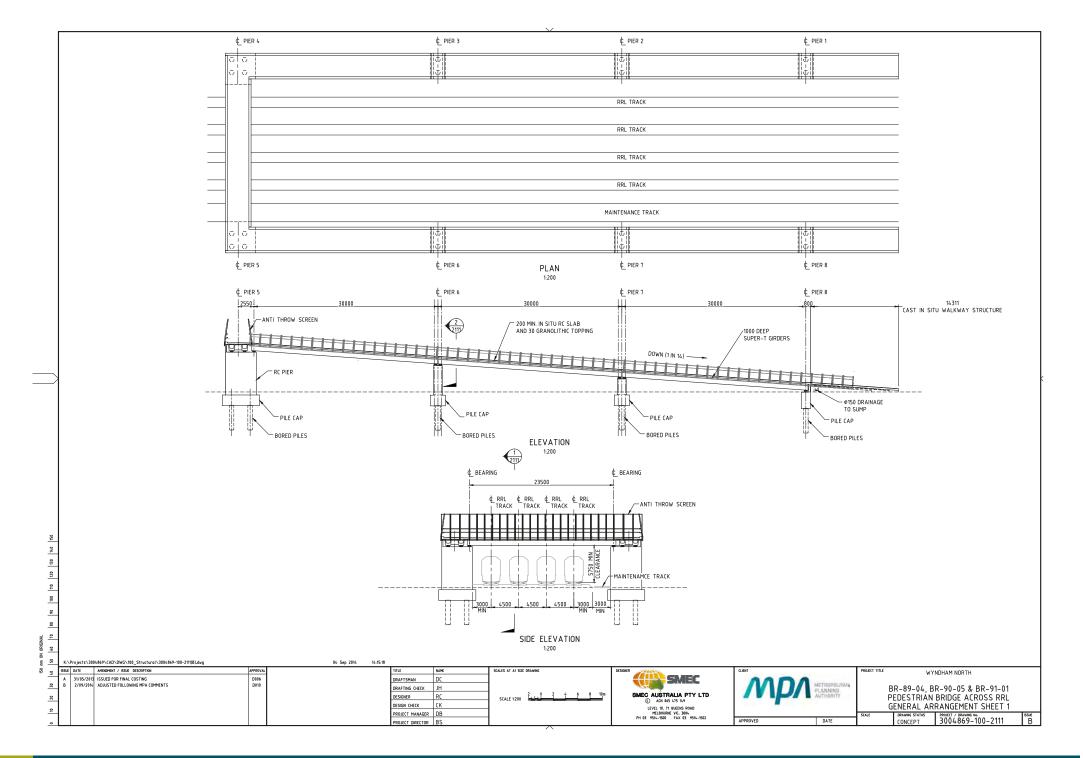


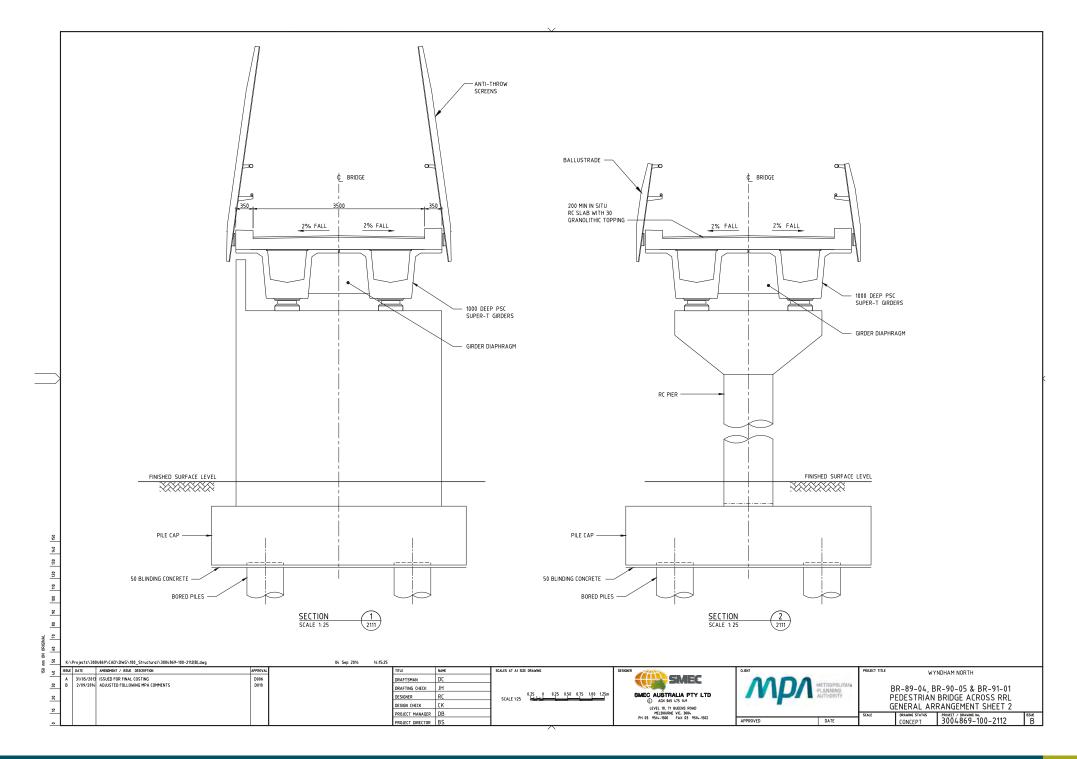


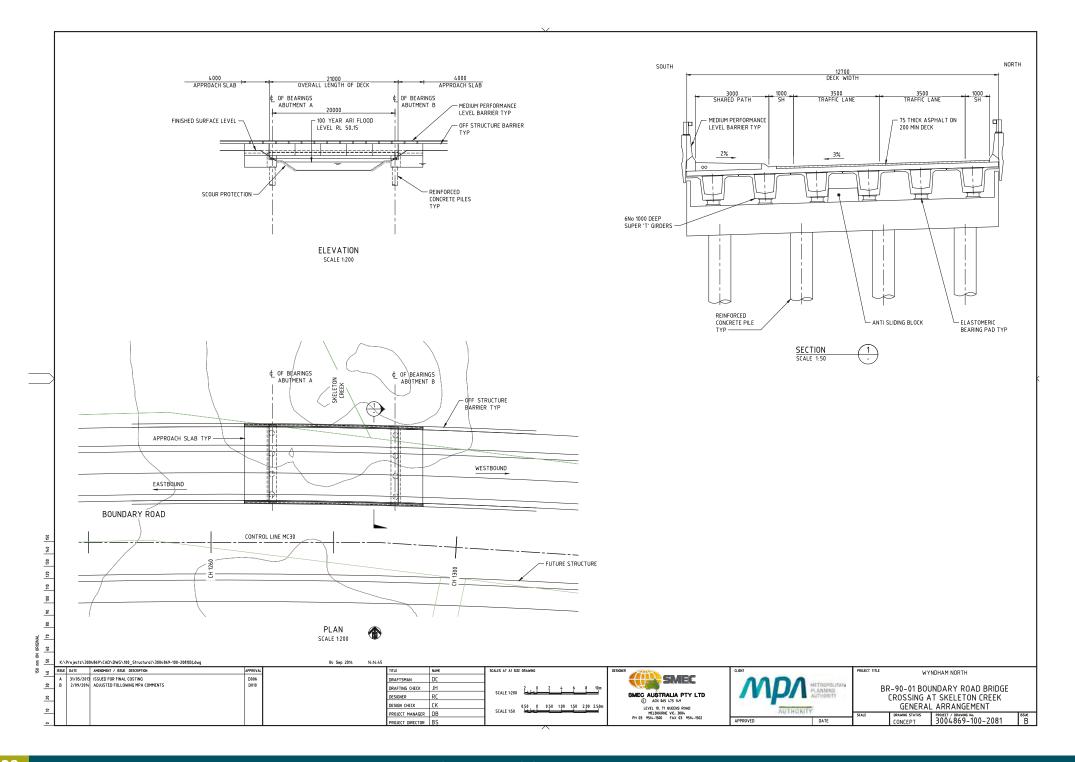


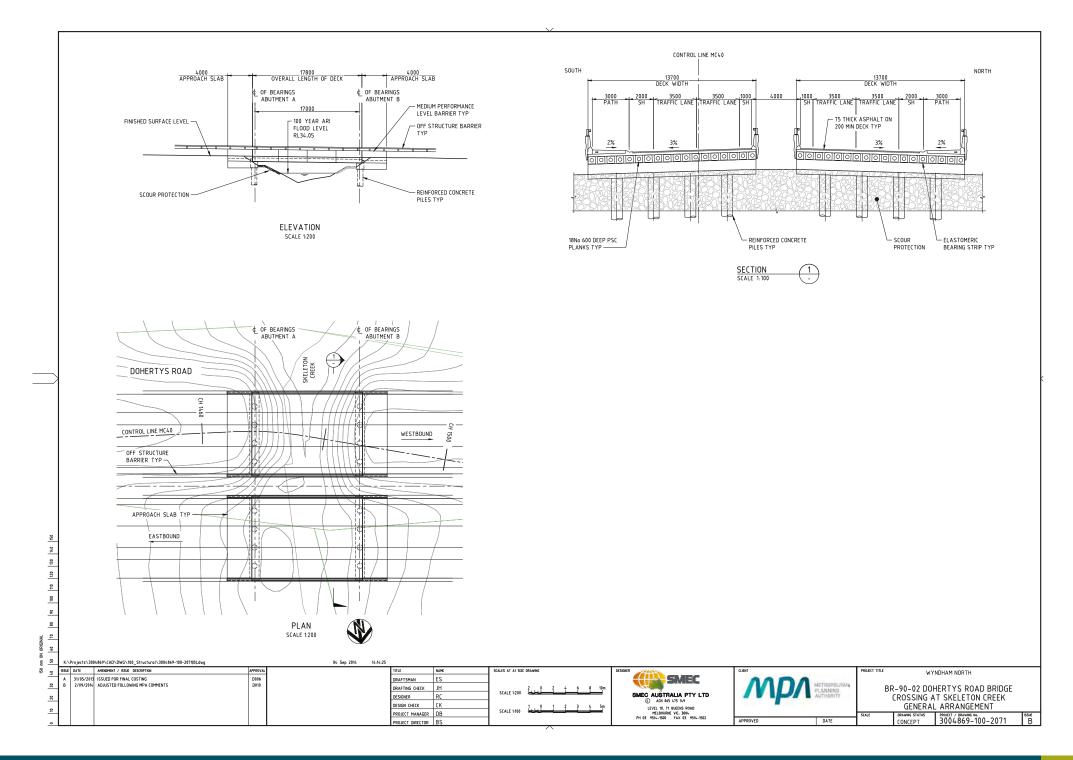


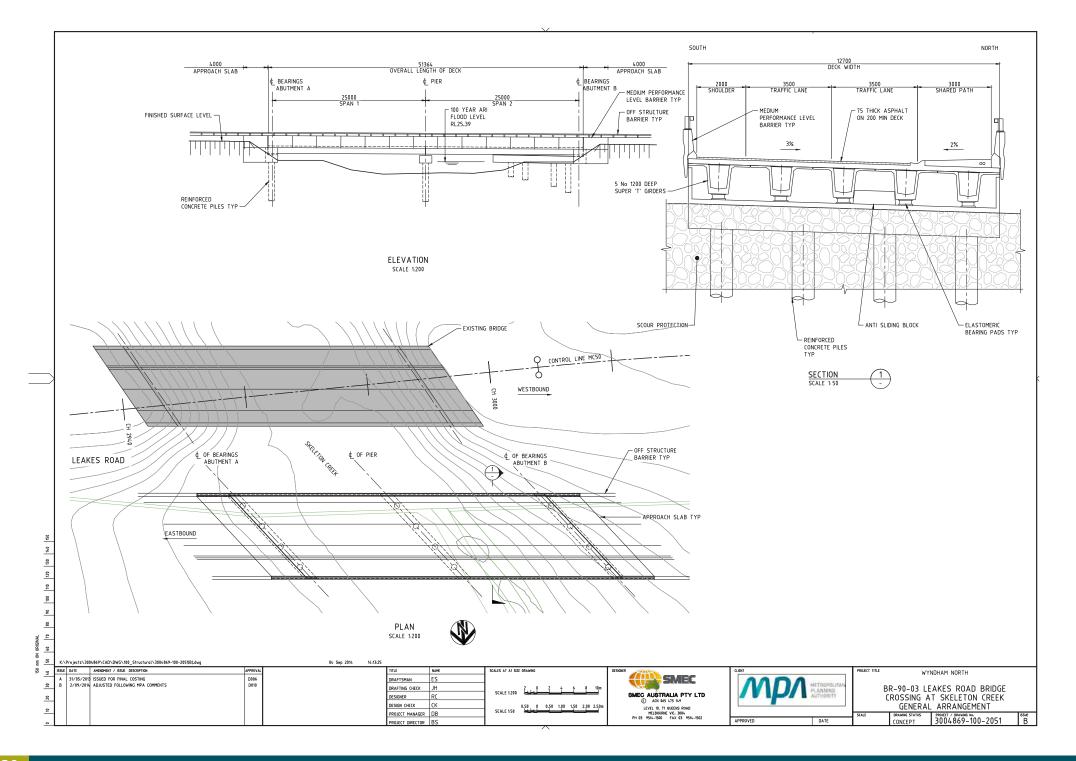


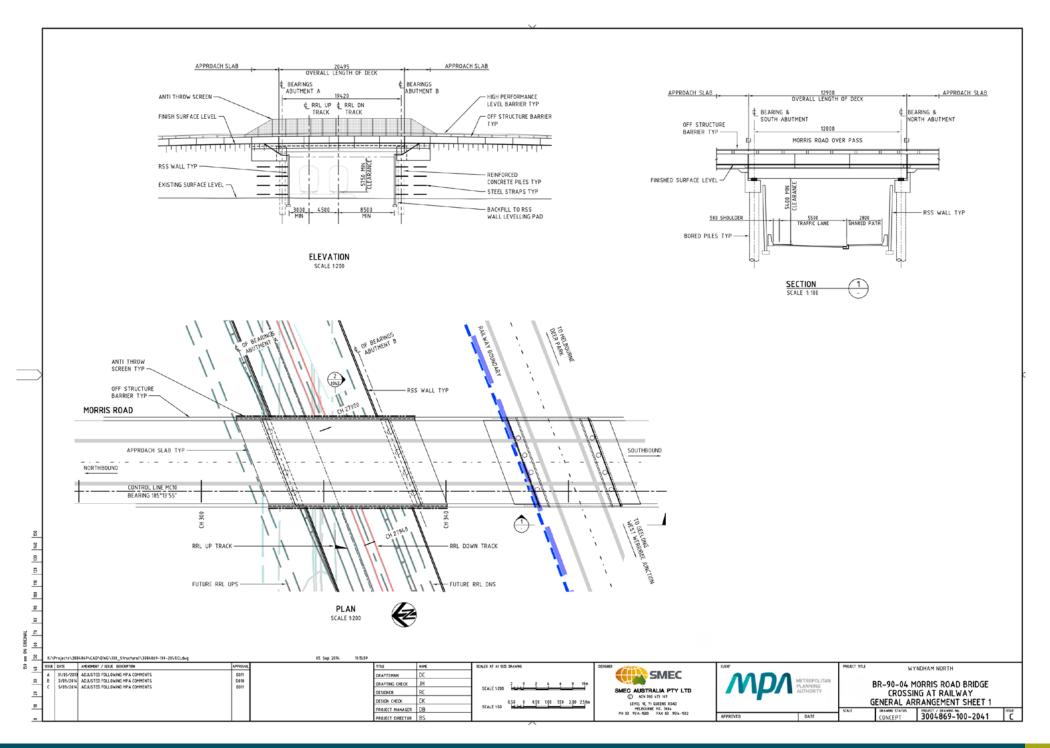


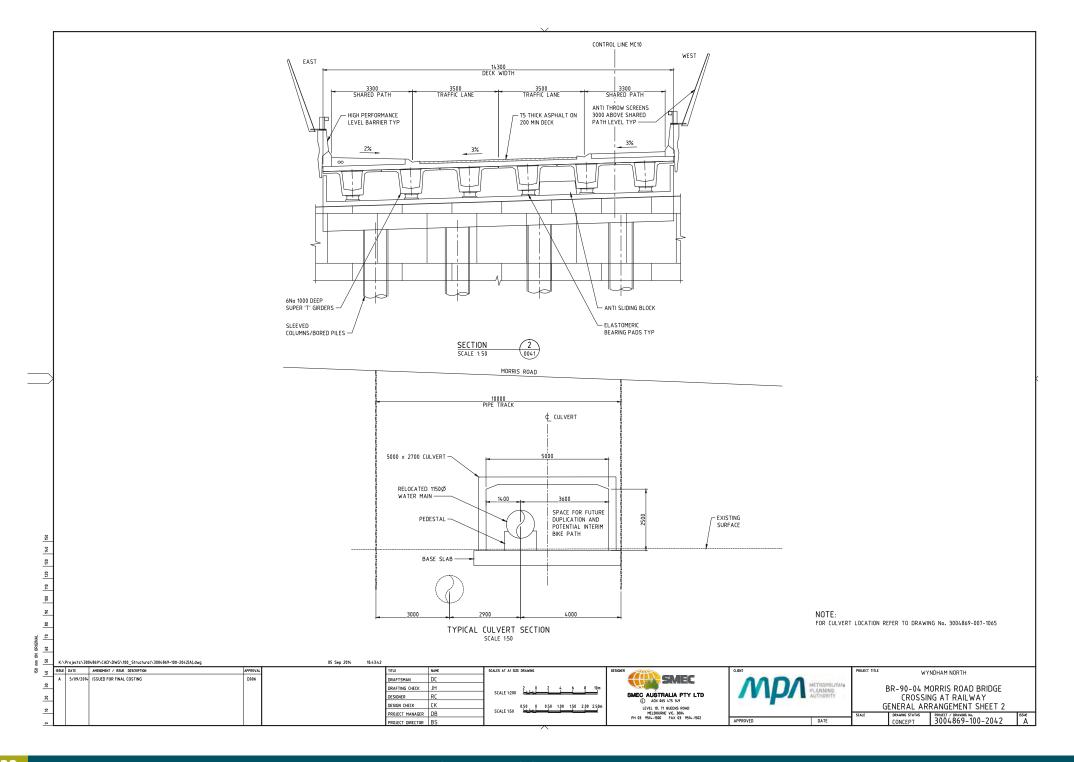


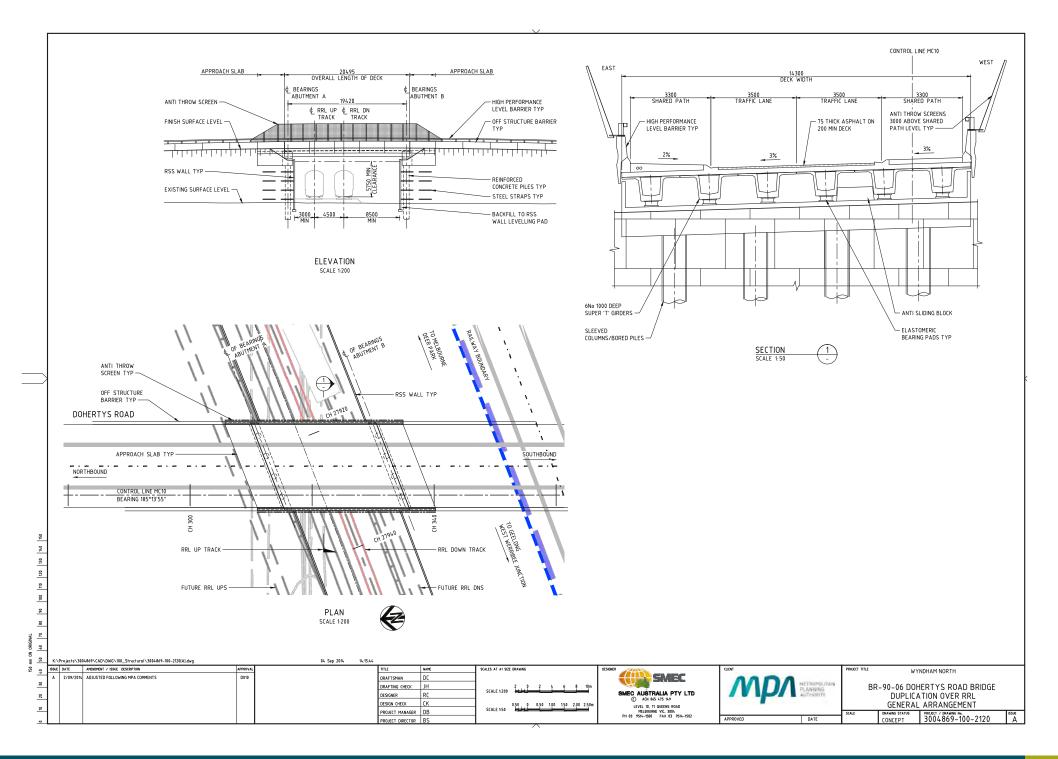


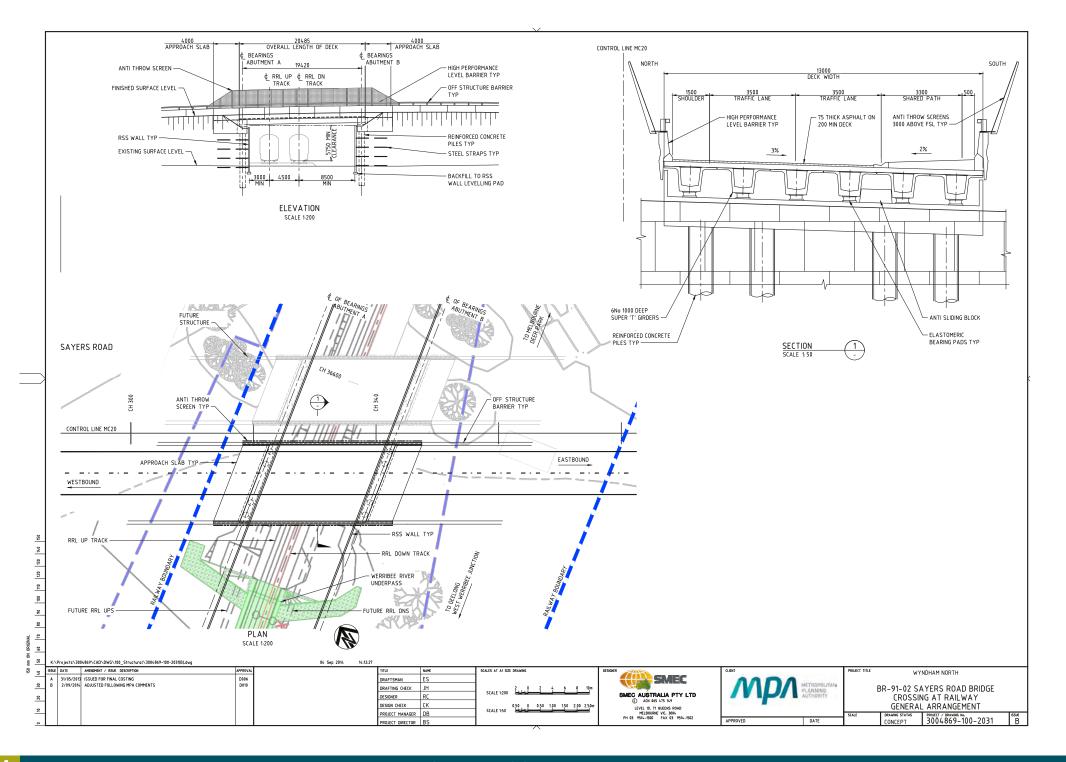


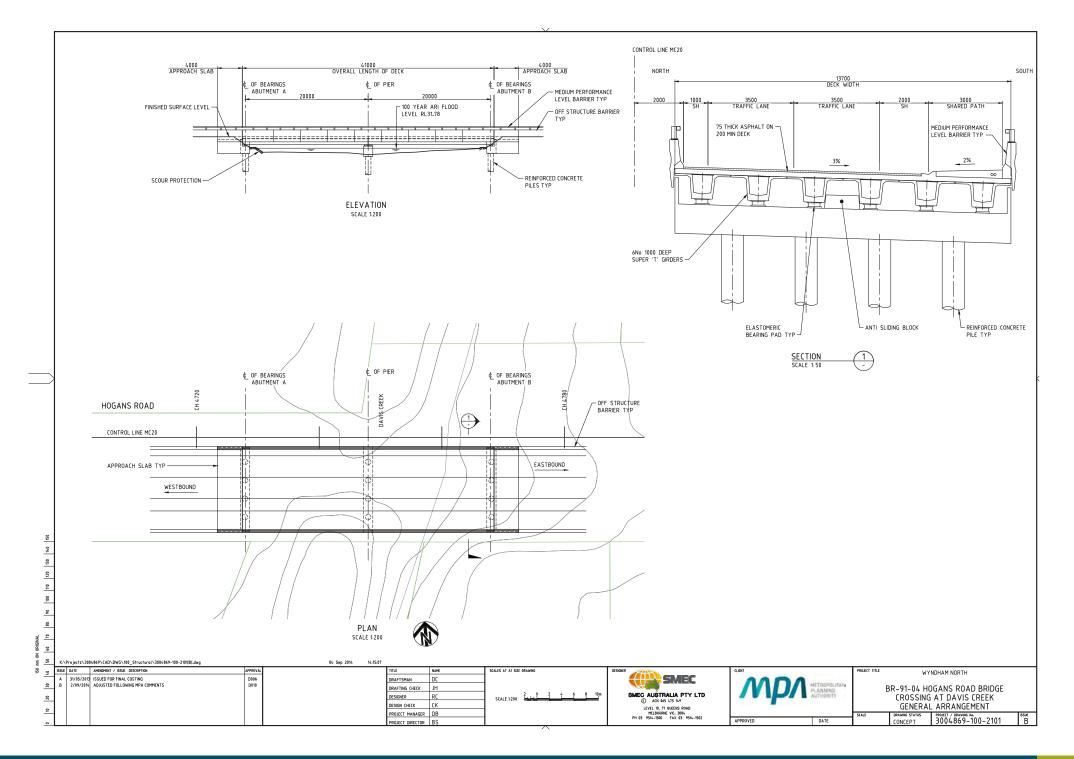










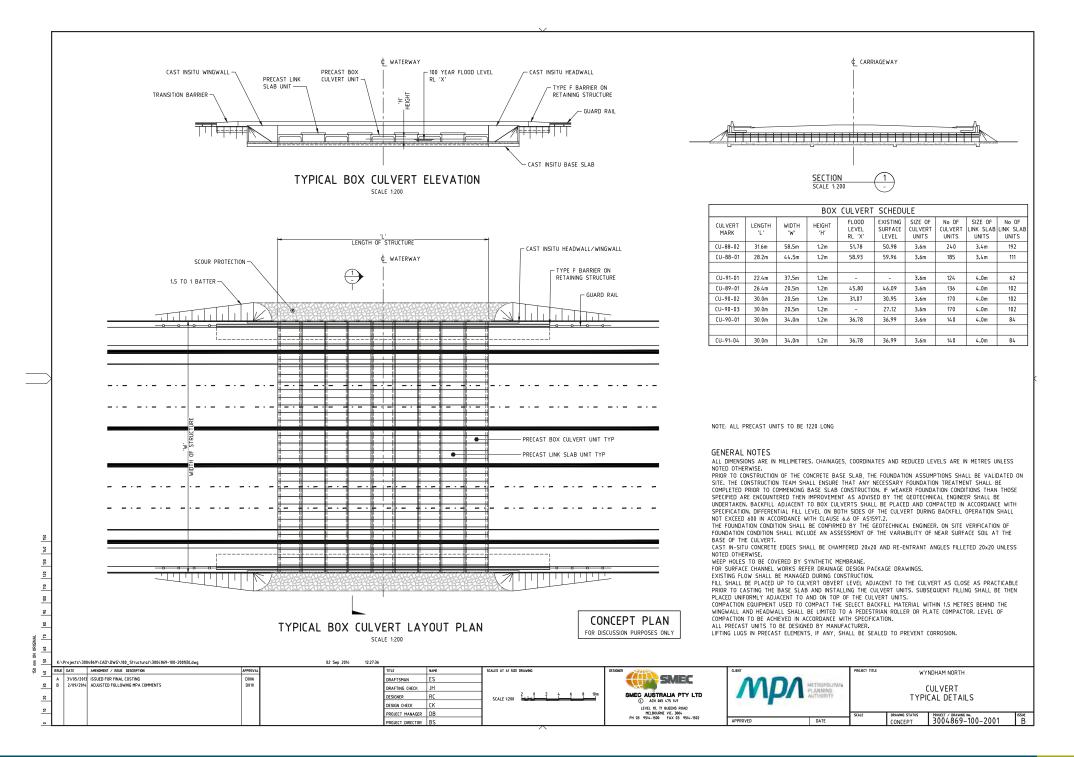


CULVERT COST CALCULATIONS

	Precast Box	ces inc precast units	, based slabs, end	walls, wingwalls &	scour protection		On Structure	Barrier					
New Culvert	LENGTH	WIDTH	Plan Area	Rate	Total	Length	Rat	Rate		*Underground 66kv (counduit only)	Rate	Cost (\$)	Construction Total
	m	m	m2	\$/m2			\$/Lin	.m			\$/Lin.m		
CU-88-01	28.2	44.5	1254.9	1450	1819605	92.4	\$	2,000	184800			\$ -	\$ 2,004,405.00
CU-88-02	31.6	58.5	1848.6	1450	2680470	99.2	\$	2,000	198400			\$ -	\$ 2,878,870.00
CU-89-01	26.4	20.5	541.2	1450	784740	88.8	\$	2,000	177600			\$ -	\$ 962,340.00
CU-90-01	30	34	1020	1450	1479000	96	\$	2,000	192000	30	\$ 342	\$ 10,260.00	\$ 1,681,260.00
CU-90-02	30	20.5	615	1450	891750	96	\$	2,000	192000	30	\$ 342	\$ 10,260.00	\$ 1,094,010.00
CU-90-03	30	20.5	615	1450	891750	96	\$	2,000	192000	30	\$ 342	\$ 10,260.00	\$ 1,094,010.00
CU-90-04	30	34	1020	1450	1479000	96	\$	2,000	192000	30	\$ 342	\$ 10,260.00	\$ 1,681,260.00
CU-91-01	22.4	37.5	840	1450	1218000	80.8	\$	2,000	161600			\$ -	\$ 1,379,600.00

C	ouncil Fees	Vic	croads Fees	Traffic Management	Sur	vey & Design	upervision & Project Management	Environmental	Sit	te Establishment	Contingency	Subtotal	(xing June 2013- June 2014 ABS Road & struction Price Index)	TOTAL
	3.25%		1.00%	5.00%		5.00%	9.00%	0.50%		2.50%	20.00%			2.29%	
\$	65,143.16	\$	20,044.05	\$ 100,220.25	\$	100,220.25	\$ 180,396.45	\$ 10,022.03	\$	50,110.13	\$ 400,881.00	\$ 2,931,442.31	\$	67,196.39	\$ 2,998,638.70
\$	93,563.28	\$	28,788.70	\$ 143,943.50	\$	143,943.50	\$ 259,098.30	\$ 14,394.35	\$	71,971.75	\$ 575,774.00	\$ 4,210,347.38	\$	96,512.26	\$ 4,306,859.64
\$	25,363.00	\$	7,804.00	\$ 39,020.00	\$	39,020.00	\$ 70,236.00	\$ 3,902.00	\$	19,510.00	\$ 156,080.00	\$ 1,141,335.00	\$	26,162.41	\$ 1,167,497.41
\$	29,303.14	\$	9,016.35	\$ 45,081.75	\$	45,081.75	\$ 81,147.15	\$ 4,508.18	\$	22,540.88	\$ 180,327.00	\$ 1,318,641.19	\$	30,226.73	\$ 1,348,867.92
\$	31,276.05	\$	9,623.40	\$ 48,117.00	\$	48,117.00	\$ 86,610.60	\$ 4,811.70	\$	24,058.50	\$ 192,468.00	\$ 1,407,422.25	\$	32,261.83	\$ 1,439,684.08
\$	54,640.95	\$	16,812.60	\$ 84,063.00	\$	84,063.00	\$ 151,313.40	\$ 8,406.30	\$	42,031.50	\$ 336,252.00	\$ 2,458,842.75	\$	56,363.16	\$ 2,515,205.91
\$	35,555.33	\$	10,940.10	\$ 54,700.50	\$	54,700.50	\$ 98,460.90	\$ 5,470.05	\$	27,350.25	\$ 218,802.00	\$ 1,599,989.63	\$	36,675.98	\$ 1,636,665.60
\$	35,555.33	\$	10,940.10	\$ 54,700.50	\$	54,700.50	\$ 98,460.90	\$ 5,470.05	\$	27,350.25	\$ 218,802.00	\$ 1,599,989.63	\$	36,675.98	\$ 1,636,665.60
\$	54,640.95	\$	16,812.60	\$ 84,063.00	\$	84,063.00	\$ 151,313.40	\$ 8,406.30	\$	42,031.50	\$ 336,252.00	\$ 2,458,842.75	\$	56,363.16	\$ 2,515,205.91
\$	44,837.00	\$	13,796.00	\$ 68,980.00	\$	68,980.00	\$ 124,164.00	\$ 6,898.00	\$	34,490.00	\$ 275,920.00	\$ 2,017,665.00	\$	46,250.20	\$ 2,063,915.20

Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material.





7.3 Appendix C – Intersection project costs and plans

IN88-01

Boundary Road/Davis Road

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4297.68	\$ 197,263.51
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5969	\$ 1,074,420.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$ -
	40mm Pavement Overlay	sq m	\$ 28.00	1234	\$ 34,552.00
Kerb & Channel		lin m	\$ 42.00	1274	\$ 53,508.00
Footpath	Concrete	sq m	\$ 48.00	1830	\$ 87,840.00
Concrete Splitter Islands		sq m	\$ 75.00	220	\$ 16,500.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1374	\$ 33,663.00
	Drainage Pits	No	\$ 2,100.00	11	\$ 23,100.00
	Drainage Pipe	lin m	\$ 150.00	950	\$ 142,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$ 25,000.00
	Signage	No	\$ 250.00	10	\$ 2,500.00
	Tactile pavers	No	\$ 250.00	7	\$ 1,750.00
66kv Underground (Conduit Only)	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material.	lin m	\$ 350.00	170	\$ 59,500.00
Environmental Management		item	\$ 10,000.00	1	\$ 10,000.00
Landscaping		item	\$ 25,000.00		\$ 25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$ -
<u> </u>	T-intersection	item	\$ 180,000.00	1	\$ 180,000.00
	Divided cross road	item	\$ 225,000.00		\$ -
	Divided T-intersection	item	\$ 205,000.00	0	\$ -
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	12	\$ 216,000.00
Vicroads 10 year Maintenance Fee inc		item	\$ 75,000.00	1.00	\$ 75,000.00
ŕ				Subtotal	\$ 2,268,096.51
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 73,713.14
Vicroads Fees	1% of cost of works	item	1%	1	\$ 22,680.97
Traffic Management	5% of cost of works	item	5%	1	\$ 113,404.83
Environmental Management	0.5% of cost of works	item	0.5%	1	\$ 11,340.48
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 113,404.83
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 204,128.69
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 56,702.41
Contingency	15% of cost of works	item	15%	1	\$ 340,214.48
				Subtotal	\$ 3,203,686.32
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 73,436.94
				TOTAL	\$ 3,277,123.26



IN88-02 Davis Rd/East-West Connector (north)

values are not intended for use in construction pricing and do not constitute a Bill of Quantities.

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	7989.29	\$	366,708.41
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	7742	\$	1,393,560.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	4391	\$	395,190.00
	40mm Pavement Overlay	sq m	Ś	28.00	297	Ś	8,316.00
Kerb & Channel	Tomming overlay	lin m	\$	42.00	1336	\$	56.112.00
Footpath	Concrete	sq m	\$	48.00	2971	\$	142.608.00
Concrete Splitter Islands	- Contracte	sq m	Ś	75.00	1694	Ś	127,050.00
Drainage	Subsoil Drains	lin m	\$	24.50	1336	\$	32,732.00
	Drainage Pits	No	\$	2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$	150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	17	\$	4,250.00
	Tactile pavers	No	\$	250.00	23	\$	5,750.00
Environmental Management	·	item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
-	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	36	\$	648,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	3,772,276.41
Council Fees	3.25% of cost of works	item		3.25%	1	\$	122,598.98
Vicroads Fees	1% of cost of works	item		1%	1	\$	37,722.76
Traffic Management	5% of cost of works	item		5%	1	\$	188,613.82
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	18,861.38
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	188,613.82
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	339,504.88
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	94,306.91
Contingency	15% of cost of works	item		15%	1	\$	565,841.46
					Subtotal	\$	5,328,340.43
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	122,139.61
· · · · · · · · · · · · · · · · · · ·	-		•		TOTAL	\$	5,450,480.04

The estimated construction costs provided in this document have been issued to the Growth Areas Authority for budgeting purposes only for the Development Contributions Plan. SMEC Australia assumes no liability for losses incurred through changes to the quantities required to construct the intersection or increases in construction costs. These



IN88-03 Davis Rd/East-West Connector (Central)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3958.2	\$	181,681.38
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	5030	\$	905,400.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	612	\$	55,080.00
	40mm Pavement Overlay	sq m	\$	28.00	766	\$	21,448.00
Kerb & Channel	·	lin m	\$	42.00	1347	\$	56,574.00
Footpath	Concrete	sq m	\$	48.00	2130	\$	102,240.00
Concrete Splitter Islands		sq m	\$	75.00	854	\$	64,050.00
Drainage	Subsoil Drains	lin m	\$	24.50	1347	\$	33,001.50
	Drainage Pits	No	\$	2,100.00	19	\$	40,410.00
	Drainage Pipe	lin m	\$	150.00	860	\$	129,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	17	\$	4,250.00
	Tactile pavers	No	\$	250.00	23	\$	5,750.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
_	T-intersection	item	Ś	180,000.00	0	Ś	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	29	\$	522,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one side of road only	No.	\$	8,000.00	6	\$	48,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$	50.00	450	\$	22,500.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	450	\$	18,000.00
Vicroads 10 year Maintenance	Fee incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,579,384.88
Council Fees	3.25% of cost of works	item		3.25%	1	\$	83,830.01
Vicroads Fees	1% of cost of works	item		1%	1	\$	25,793.85
Traffic Management	5% of cost of works	item		5%	1	\$	128,969.24
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	12,896.92
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	128,969.24
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	232,144.64
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	64,484.62
Contingency	15% of cost of works	item		15%	1	\$	386,907.73
	•		•		Subtotal	\$	3,643,381.14
_							
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	<u> </u>	2.29%	1	\$	83,515.90
					TOTAL	Ş	3,726,897.04



IN88-04 Doherty Rd/Ison Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	4885.92	\$	224,263.73
Pavement	Construct deep strenght pavement (Arterial Pavement),		,	100.00	6786	,	1 221 400 00
	including wearing course (420mm depth)	sq m	\$	180.00	6/86	\$	1,221,480.00
	Construct granular pavement (Council Pavement for Collector		,	00.00	0	,	
	Street 550mm depth)	sq m	\$	90.00	U	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	3499	\$	97,972.00
Kerb & Channel		lin m	\$	42.00	1934	\$	81,228.00
Footpath	Concrete	sq m	\$	48.00	2567	\$	123,216.00
Concrete Splitter Islands		sq m	\$	75.00	689	\$	51,675.00
Drainage	Subsoil Drains	lin m	\$	24.50	1934	\$	47,383.00
	Drainage Pits	No	\$	2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$	150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	17	\$	4,250.00
	Tactile pavers	No	\$	250.00	19	\$	4,750.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	21	\$	378,000.00
Vicroads 10 year Maintenance Fee i	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,826,217.73
Council Fees	3.25% of cost of works	item		3.25%	1	\$	91,852.08
Vicroads Fees	1% of cost of works	item		1%	1	\$	28,262.18
Traffic Management	5% of cost of works	item		5%	1	\$	141,310.89
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	14,131.09
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	141,310.89
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	254,359.60
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	70,655.44
Contingency	15% of cost of works	item		15%	1	\$	423,932.66
	·				Subtotal	\$	3,992,032.54
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	1 :+ 0 m	ı	2.29%	1	\$	91,507.91
Julie 2015 - Julie 2014 Illuexilig	Oshig Abs road and bridge construction victoria	item	<u> </u>	2.29%		_	· · · · · · · · · · · · · · · · · · ·
					TOTAL	\$	4,083,540.45



IN88-05

Dohertys Rd/Gard Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	3910.96	\$	179,513.06
Pavement			ć 400.00	40.43		000 740 00
	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	4943	\$	889,740.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	640	\$	57,600.00
	40mm Pavement Overlay	sq m	\$ 28.00	729	\$	20,412.00
Kerb & Channel	·	lin m	\$ 42.00	900	\$	37,800.00
Footpath	Concrete	sq m	\$ 48.00	1295	\$	62,160.00
Concrete Splitter Islands		sq m	\$ 75.00	371	\$	27,825.00
Drainage	Subsoil Drains	lin m	\$ 24.50	900	\$	22,050.00
	Drainage Pits	No	\$ 2,100.00	13	\$	27,000.00
	Drainage Pipe	lin m	\$ 150.00	370	\$	55,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
0	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	12	Ś	216,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one side of road only)	No.	\$ 8,000.00	4	\$	32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.00	500	Ś	25,000.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	500	\$	20,000,00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	Ś	75,000.00
•			,	Subtotal	Ś	2,054,100.06
Council Fees	3.25% of cost of works	item	3.25%	1	\$	66,758.25
Vicroads Fees	1% of cost of works	item	1%	1	\$	20,541.00
Traffic Management	5% of cost of works	item	5%	1	\$	102,705.00
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	10,270.50
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	102,705.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	Ś	184,869.01
Site Establishment	2.5% of cost of works	item	2.5%	1	Ś	51,352,50
Contingency	15% of cost of works	item	15%	1	\$	308,115.01
		1		Subtotal	\$	2,901,416.34
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	66,508.11
	·	·		TOTAL	Ś	2.967.924.45



IN88-06

Dohertys Rd/Davis Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	8493.12	\$	389,834.21
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	11796	\$	2,123,280.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$	=
	40mm Pavement Overlay	sq m	\$ 28.00	1464	\$	40,992.00
Kerb & Channel		lin m	\$ 42.00	2244	\$	94,248.00
Footpath	Concrete	sq m	\$ 48.00	3157	\$	151,536.00
Concrete Splitter Islands		sq m	\$ 75.00	1218	\$	91,350.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2244	\$	54,978.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
		•	•	Subtotal	\$	4,023,718.21
Council Fees	3.25% of cost of works	item	3.25%	1	\$	130,770.84
Vicroads Fees	1% of cost of works	item	1%	1	\$	40,237.18
Traffic Management	5% of cost of works	item	5%	1	\$	201,185.91
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	20,118.59
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	201,185.91
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	362,134.64
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	100,592.96
Contingency	15% of cost of works	item	15%	1	\$	603,557.73
				Subtotal	\$	5,683,501.97
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	130,280.85
				TOTAL	_	5,813,782.82
				IUIAL	Ş	5,615,782.82



IN88-07 Ison Rd/East-West Connector (south)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4939.38	\$	226,717.54
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing		\$ 180.00	6434	,	1 150 130 00
	course (420mm depth)	sq m	\$ 180.00	6434	\$	1,158,120.00
	Construct granular pavement (Council Pavement for Collector Street 550mm		\$ 90.00	558	\$	F0 330 00
	depth)	sq m	\$ 90.00	558	Þ	50,220.00
Kerb & Channel		lin m	\$ 42.00	1585	\$	66,570.00
Footpath	Concrete	sq m	\$ 48.00	2441	\$	117,168.00
Concrete Splitter Islands		sq m	\$ 75.00	870	\$	65,250.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1585	\$	38,832.50
	Drainage Pits	No	\$ 2,100.00	23	\$	47,550.00
	Drainage Pipe	lin m	\$ 150.00	976	\$	146,400.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	22	\$	5,500.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,711,828.04
Council Fees	3.25% of cost of works	item	3.25%	1	\$	88,134.41
Vicroads Fees	1% of cost of works	item	1%	1	\$	27,118.28
Traffic Management	5% of cost of works	item	5%	1	\$	135,591.40
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	13,559.14
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	135,591.40
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	244,064.52
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	67,795.70
Contingency	15% of cost of works	item	15%	1	\$	406,774.21
				Subtotal	\$	3,830,457.11
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	87,804.17
Jane 2015 Jane 2014 Illuexing	Osing Nos Road and Shage Construction Victoria	itelli	2.23/0	TOTAL	\$	3,918,261.28



IN88-08 Ison Rd/East-West Connector (Central)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4605.68	\$	211,400.71
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5914	\$	1,064,520.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	632	\$	56,880.00
Kerb & Channel		lin m	\$ 42.00	1404	\$	58,968.00
Footpath	Concrete	sq m	\$ 48.00	2502	\$	120,096.00
Concrete Splitter Islands		sq m	\$ 75.00	250	\$	18,750.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1404	\$	34,398.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,120.00
	Drainage Pipe	lin m	\$ 150.00	932	\$	139,800.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	4	\$	1,000.00
	Tactile pavers	No	\$ 250.00	12	\$	3,000.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	15	\$	270,000.00
Vicroads 10 year Maintenance Fee inc	I Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
		•		Subtotal	\$	2,390,932.71
Council Fees	3.25% of cost of works	item	3.25%	1	\$	77,705.31
Vicroads Fees	1% of cost of works	item	1%	1	\$	23,909.33
Traffic Management	5% of cost of works	item	5%	1	\$	119,546.64
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	11,954.66
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	119,546.64
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	215,183.94
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	59,773.32
Contingency	15% of cost of works	item	15%	1	\$	358,639.91
				Subtotal	\$	3,377,192.46
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	77,414.15
				TOTAL	\$	3,454,606.61



IN88-09 Davis Rd/East-West Connector (south)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3544.7	\$	162,701.73
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	4445	\$	800,100.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	626	\$	56,340.00
	40mm Pavement Overlay	sq m	\$	28.00	1011	\$	28,308.00
Kerb & Channel		lin m	\$	42.00	1031	\$	43,302.00
Footpath	Concrete	sq m	\$	48.00	1978	\$	94,944.00
Concrete Splitter Islands		sq m	\$	75.00	220	\$	16,500.00
Drainage	Subsoil Drains	lin m	\$	24.50	1031	\$	25,259.50
	Drainage Pits	No	\$	2,100.00	15	\$	30,930.00
	Drainage Pipe	lin m	\$	150.00	772	\$	115,800.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	8	\$	2,000.00
	Tactile pavers	No	\$	250.00	14	\$	3,500.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	17	\$	306,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one si	No.	\$	8,000.00	4	\$	32,000.00
Telstra Cable & conduit	onefibre optic cable (cable only on one side of road)	m	\$	50.00	340	\$	17,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	340	\$	13,600.00
Vicroads 10 year Maintenance Fee ir	ncl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,118,285.23
Council Fees	3.25% of cost of works	item		3.25%	1	\$	68,844.27
Vicroads Fees	1% of cost of works	item		1%	1	\$	21,182.85
Traffic Management	5% of cost of works	item		5%	1	\$	105,914.26
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	10,591.43
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	105,914.26
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	190,645.67
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	52,957.13
Contingency	15% of cost of works	item		15%	1	\$	317,742.78
	·				Subtotal	\$	2,992,077.89
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	*****		2.200/	1 4	<u> </u>	CO FOC 24
June 2013 - June 2014 Indexing	osing Aps your and pridge construction victoria	item	_	2.29%	1	\$	68,586.31
					TOTAL	\$	3,060,664.20



IN88-10 Leakes Rd/Ison Rd

Earth Works	Description	Detail	Unit	Rate	Qty	Amount
Earth Works	Site Establishment		item	\$ 10,000.00	1	\$ 10,000.00
Construct deep strength pavement (Arterial Pavement), including wearing course (420mm depth) Sqm \$ 180.00 13967 \$ 2,514,060.00	Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Course (420mm depth)	Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	10056.2	\$ 461,581.42
S50mm depth S50	Pavement	, , , , , , , , , , , , , , , , , , , ,	sq m	\$ 180.00	13967	\$ 2,514,060.00
Footpath		o , ,	sq m	\$ 90.00	0	\$ -
Sqm \$ 75.00 765 \$ 57,375.00 Painage Subsoil Drains Subsoil Drains Subsoil Drains Subsoil Drains Subsoil Drainage Subsoil Drains Subsoil Drainage Subsoil Drain	Kerb & Channel		lin m	\$ 42.00	2905	\$ 122,010.00
Drainage Subsoil Drains Ilin	Footpath	Concrete	sq m	\$ 48.00	4110	\$ 197,280.00
Drainage Pits	Concrete Splitter Islands		sq m	\$ 75.00	765	\$ 57,375.00
Drainage Pipe	Drainage	Subsoil Drains	lin m	\$ 24.50	2905	\$ 71,172.50
Miscellaneous		Drainage Pits	No	\$ 2,100.00	22	\$ 46,200.00
Signage		Drainage Pipe	lin m	\$ 150.00	1700	\$ 255,000.00
Tactile pavers No \$ 250.00 24 \$ 6,000.00	Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$ 25,000.00
Item		Signage	No	\$ 250.00	24	\$ 6,000.00
Traffic Management Item \$ 60,000.00 1 \$ 60,000.00 Landscaping Item \$ 25,000.00 1 \$ 25,000.00 Traffic signals Cross road Item \$ 210,000.00 0 \$ Traffic signals Traffic signals Traffic signals Cross road Item \$ 210,000.00 0 \$ Traffic signals T		Tactile pavers	No	\$ 250.00	24	\$ 6,000.00
Item \$ 25,000.00 1 \$ 25,000.00 \$ 2 \$ 25,000.00	Environmental Management		item	\$ 10,000.00	1	\$ 10,000.00
Traffic signals	Traffic Management		item	\$ 60,000.00	1	\$ 60,000.00
T-intersection	Landscaping		item	\$ 25,000.00	1	\$ 25,000.00
Divided cross road item \$ 225,000.00 1 \$ 225,000.00	Traffic signals	Cross road	item	\$ 210,000.00	0	\$ -
Divided T-intersection item \$ 205,000.00 0 \$		T-intersection	item	\$ 180,000.00	0	\$ =
No. \$ 18,000.00 30 \$ 540,000.00		Divided cross road	item	\$ 225,000.00	1	\$ 225,000.00
Vicroads 10 year Maintenance Fee incl Prom & controller item \$75,000.00 1.00 \$75,000.00		Divided T-intersection	item	\$ 205,000.00	0	\$ =
Subtotal \$ 4,716,678.92	Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	30	\$ 540,000.00
Council Fees 3.25% of cost of works item 3.25% 1 \$ 153,292.06	Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	\$ 75,000.00
Vicroads Fees 1% of cost of works item 1% 1 \$ 47,166.79 Traffic Management 5% of cost of works item 5% 1 \$ 235,833.95 Environmental Management 0.5% of cost of works item 0.5% 1 \$ 235,833.95 Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 235,833.95 Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 424,501.10 Site Establishment 2.5% of cost of works item 2.5% 1 \$ 117,916.97 Contingency 15% of cost of works item 15% 1 \$ 707,501.84 June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 152,717.68					Subtotal	\$ 4,716,678.92
Traffic Management 5% of cost of works item 5% 1 \$ 235,833.95 Environmental Management 0.5% of cost of works item 0.5% 1 \$ 23,583.39 Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 235,833.95 Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 424,501.10 Site Establishment 2.5% of cost of works item 2.5% 1 \$ 117,916.97 Contingency 15% of cost of works item 15% 1 \$ 707,501.84 Subtotal \$ 6,662,308.97 June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 152,717.68	Council Fees	3.25% of cost of works	item	3.25%	1	\$ 153,292.06
Environmental Management 0.5% of cost of works item 0.5% 1 \$ 23,583.39	Vicroads Fees	1% of cost of works	item	1%	1	\$ 47,166.79
Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 235,833.95	Traffic Management	5% of cost of works	item	5%	1	\$ 235,833.95
Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 424,501.10	Environmental Management	0.5% of cost of works	item	0.5%	1	\$ 23,583.39
Site Establishment 2.5% of cost of works item 2.5% 1 \$ 117,916.97	Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 235,833.95
15% of cost of works item 15% 1 \$ 707,501.84	Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 424,501.10
June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 152,717.68	Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 117,916.97
June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 152,717.68	Contingency	15% of cost of works	item	15%	1	\$ 707,501.84
		-		_	Subtotal	\$ 6,662,308.97
TOTAL ¢ 6 815 026 65	June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 152,717.68
		·			TOTAL	\$ 6,815,026.65



IN88-11 Leakes Rd/North-South Connector

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4396.77	\$	201,811.74
Pavement	Construct deep strenght pavement (Arterial Pavement), including		ć 100.00	FCAC	4	1.016.300.00
	wearing course (420mm depth)	sq m	\$ 180.00	5646	\$	1,016,280.00
	Construct granular pavement (Council Pavement for Collector Street		\$ 90.00	603	\$	F4 270 00
	550mm depth)	sq m	\$ 90.00	603	>	54,270.00
Kerb & Channel		lin m	\$ 42.00	1320	\$	55,440.00
Footpath	Concrete	sq m	\$ 48.00	2077	\$	99,696.00
Concrete Splitter Islands		sq m	\$ 75.00	481	\$	36,075.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1320	\$	32,340.00
	Drainage Pits	No	\$ 2,100.00	19	\$	39,600.00
	Drainage Pipe	lin m	\$ 150.00	864	\$	129,600.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m-	No.	\$ 8,000.00	4	\$	32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.00	450	\$	22,500.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	450	\$	18,000.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,533,112.74
Council Fees	3.25% of cost of works	item	3.25%	1	\$	82,326.16
Vicroads Fees	1% of cost of works	item	1%	1	\$	25,331.13
Traffic Management	5% of cost of works	item	5%	1	\$	126,655.64
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	12,665.56
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	126,655.64
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	227,980.15
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	63,327.82
Contingency	15% of cost of works	item	15%	1	\$	379,966.91
				Subtotal	\$	3,578,021.75
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	82,017.69
	•			TOTAL	\$	3,660,039.44
				IOIAL	7	3,000,033.44



IN88-12 Ison Rd/Sayers Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	9527.76	\$	437,324.18
Pavement	Construct deep strenght pavement (Arterial Pavement),	sa m	\$ 180.00	13233	Ļ	2,381,940.00
	including wearing course (420mm depth)	sq m	\$ 180.00	13233	\$	2,361,940.00
	Construct granular pavement (Council Pavement for	sq m	\$ 90.00	0	\$	
	Collector Street 550mm depth)	34 111	\$ 90.00	U	٧	_
Kerb & Channel		lin m	\$ 42.00	2515	\$	105,630.00
Footpath	Concrete	sq m	\$ 48.00	3513	\$	168,624.00
Concrete Splitter Islands		sq m	\$ 75.00	2785	\$	208,875.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2515	\$	61,617.50
	Drainage Pits	No	\$ 2,100.00	22	\$	46,200.00
	Drainage Pipe	lin m	\$ 150.00	1520	\$	228,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	24	\$	6,000.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	32	\$	576,000.00
Vicroads 10 year Maintenance Fee inc	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	4,596,210.68
Council Fees	3.25% of cost of works	item	3.25%	1	\$	149,376.85
Vicroads Fees	1% of cost of works	item	1%	1	\$	45,962.11
Traffic Management	5% of cost of works	item	5%	1	\$	229,810.53
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	22,981.05
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	229,810.53
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	413,658.96
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	114,905.27
Contingency	15% of cost of works	item	15%	1	\$	689,431.60
				Subtotal	\$	6,492,147.59
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	:	2.20%	1	ć	140 017 14
June 2015 - June 2014 Indexing	Osing Abs Road and bridge construction victoria	item	2.29%	1	\$	148,817.14
				TOTAL	\$	6,640,964.73



IN88-13 Ison Rd/East-West Connector

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4499.26	\$	206,516.03
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	5783	\$	1 040 040 00
	wearing course (420mm depth)	sq m	\$ 180.00	5/83	Ş	1,040,940.00
	Construct granular pavement (Council Pavement for Collector Street		\$ 90.00	610	\$	F4 000 00
	550mm depth)	sq m	\$ 90.00	610	Ş	54,900.00
	40mm Pavement Overlay	sq m	\$ 28.00	1364	\$	38,192.00
Kerb & Channel		lin m	\$ 42.00	1833	\$	76,986.00
Footpath	Concrete	sq m	\$ 48.00	2831	\$	135,888.00
Concrete Splitter Islands		sq m	\$ 75.00	511	\$	38,325.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1833	\$	44,908.50
	Drainage Pits	No	\$ 2,100.00	26	\$	54,990.00
	Drainage Pipe	lin m	\$ 150.00	1116	\$	167,400.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- of	No.	\$ 8,000.00	6	\$	48,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	500	\$	20,000.00
Vicroads 10 year Maintenance Fee ir	ncl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
			•	Subtotal	\$	2,747,545.53
Council Fees	3.25% of cost of works	item	3.25%	1	\$	89,295.23
Vicroads Fees	1% of cost of works	item	1%	1	\$	27,475.46
Traffic Management	5% of cost of works	item	5%	1	\$	137,377.28
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	13,737.73
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	137,377.28
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	247,279.10
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	68,688.64
Contingency	15% of cost of works	item	15%	1	\$	412,131.83
				Subtotal	\$	3,880,908.07
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	88,960.64
				TOTAL	Ś	3.969.868.71
				IUIAL	Ą	3,303,000.71



IN89-01 Boundary Road/North-South Connector (west)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	4256.64	\$	195,379.78
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	5912	\$	1,064,160.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	1291	\$	36,148.00
Kerb & Channel		lin m	\$	42.00	1274	\$	53,508.00
Footpath	Concrete	sq m	\$	48.00	1830	\$	87,840.00
Concrete Splitter Islands		sq m	\$	75.00	220	\$	16,500.00
Drainage	Subsoil Drains	lin m	\$	24.50	1374	\$	33,663.00
	Drainage Pits	No	\$	2,100.00	11	\$	23,100.00
	Drainage Pipe	lin m	\$	150.00	950	\$	142,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	10	\$	2,500.00
	Tactile pavers	No	\$	250.00	7	\$	1,750.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [265m on the	lin m	\$	342.00	264	\$	90,288.00
66kv Underground (Conduit Only)	south side]		۲	342.00	204	۲	30,288.00
Environmental Management	30util sidej	item	\$	10,000.00	1	Ś	10,000.00
Landscaping		item	\$	25,000.00	1	Ś	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
Trume signals	T-intersection	item	\$	180,000.00	1	\$	180,000.00
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	0	Ś	
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance Fee		item	\$	75,000.00	1.00	\$	75,000.00
viciodas 10 year ividiriteriarice rec	men rom & controller	item	ŗ	73,000.00	Subtotal	Ś	2,288,336.78
Council Fees	3.25% of cost of works	item		3.25%	1	\$	74,370.95
Vicroads Fees	1% of cost of works	item		1%	1	Ś	22,883.37
Traffic Management	5% of cost of works	item		5%	1	Ś	114,416.84
Environmental Management	0.5% of cost of works	item		0.5%	1	Ś	11,441.68
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	Ś	114,416.84
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	Ś	205,950.31
Site Establishment	2.5% of cost of works	item		2.5%	1	Ś	57,208.42
Contingency	15% of cost of works	item		15%	1	Ś	343,250.52
					Subtotal	\$	3,232,275.70
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	74,092.28
Julie 2013 - Julie 2014 IlideXIIIg	Samp risa rious and priuge construction victoria	iteiii	L	2.23/0			· · · · · ·
					TOTAL	\$	3,306,367.98



IN89-02 Boundary Rd/Tarneit Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	5649.84	\$	259,327.66
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	7847	\$	1,412,460.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	2100	\$	58,800.00
Kerb & Channel		lin m	\$	42.00	1322	\$	55,524.00
Footpath	Concrete	sq m	\$	48.00	2203	\$	105,744.00
Concrete Splitter Islands		sq m	\$	75.00	322	\$	24,150.00
Drainage	Subsoil Drains	lin m	\$	24.50	1322	\$	32,389.00
	Drainage Pits	No	\$	2,100.00	16	\$	33,600.00
	Drainage Pipe	lin m	\$	150.00	750	\$	112,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	22	\$	5,500.00
	Tactile pavers	No	\$	250.00	23	\$	5,750.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3						
	phase + Sheild) and trenching and backfille with thermally treated material.	lin m	\$	342.00	335	\$	114,570.00
66kv Underground (Conduit Only)	[335m on the south side]		'				
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee in	cl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	3,058,314.66
Council Fees	3.25% of cost of works	item		3.25%	1	\$	99,395.23
Vicroads Fees	1% of cost of works	item		1%	1	\$	30,583.15
Traffic Management	5% of cost of works	item		5%	1	\$	152,915.73
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	15,291.57
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	152,915.73
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	275,248.32
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	76,457.87
Contingency	15% of cost of works	item		15%	1	\$	458,747.20
					Subtotal	\$	4,319,869.45
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	99,022.80
<u> </u>					TOTAL	Ś	4,418,892.25
					IUIAL	Ą	4,410,032.23



IN89-03 Boundary Rd/North-south Connector (east)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	5854.3	\$	268,712.37
Pavement	Construct deep strenght pavement (Arterial Pavement), including		100.00	6700	,	4 244 400 00
	wearing course (420mm depth)	sq m	\$ 180.00	6730	\$	1,211,400.00
	Construct granular pavement (Council Pavement for Collector		00.00	4004	,	465.060.00
	Street 550mm depth)	sq m	\$ 90.00	1834	\$	165,060.00
	40mm Pavement Overlay	sq m	\$ 28.00	1000	\$	28,000.00
Kerb & Channel		lin m	\$ 42.00	2473	\$	103,866.00
Footpath	Concrete	sq m	\$ 48.00	3404	\$	163,392.00
Concrete Splitter Islands		sq m	\$ 75.00	867	\$	65,025.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2473	\$	60,588.50
	Drainage Pits	No	\$ 2,100.00	11	\$	23,100.00
	Drainage Pipe	lin m	\$ 150.00	670	\$	100,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	12	\$	3,000.00
	Tactile pavers	No	\$ 250.00	13	\$	3,250.00
Environmental Management	·	item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	0	\$	-
	Divided T-intersection	item	\$ 205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance I	ee incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
·		1	 · · · · · · · · · · · · · · · · · · ·	Subtotal	\$	3,013,893.87
Council Fees	3.25% of cost of works	item	3.25%	1	\$	97,951.55
Vicroads Fees	1% of cost of works	item	1%	1	\$	30,138.94
Traffic Management	5% of cost of works	item	5%	1	\$	150,694.69
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	15,069.47
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	150,694.69
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	271,250.45
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	75,347.35
Contingency	15% of cost of works	item	15%	1	\$	452,084.08
		•		Subtotal	\$	4,257,125.09
					•	
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	97,584.53
				TOTAL	\$	4,354,709.62



IN89-04 Boundary Rd/Derrimut Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	4.50	7241.04	\$	32,584.68
Pavement							
	Construct deep strenght pavement (Arterial Pavement),	sq m	\$	180.00	10057	\$	1,810,260.00
	including wearing course (420mm depth)						
	Construct granular pavement (Council Pavement for		,	00.00	0	,	
	Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	4805	\$	134,540.00
Kerb & Channel		lin m	\$	20.00	2525	\$	50,500.00
Footpath	Concrete	sq m	\$	42.00	2965	\$	124,530.00
Concrete Splitter Islands		sq m	\$	48.00	550	\$	26,400.00
Drainage	Subsoil Drains	lin m	\$	75.00	2525	\$	189,375.00
	Drainage Pits	No	\$	590.00	18	\$	10,620.00
	Drainage Pipe	lin m	\$	150.54	1500	\$	225,810.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	20,000.00	24	\$	480,000.00
	Tactile pavers	No	\$	250.00	23	\$	5,750.00
Environmental Management		item	\$	1,500.00	1	\$	1,500.00
Landscaping		item	\$	60,000.00	1	\$	60,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	40	\$	720,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	4,206,869.68
Council Fees	3.25% of cost of works	item		3.25%	1	\$	136,723.26
Vicroads Fees	1% of cost of works	item		1%	1	\$	42,068.70
Traffic Management	5% of cost of works	item		5%	1	\$	210,343.48
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	21,034.35
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	210,343.48
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	378,618.27
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	105,171.74
Contingency	15% of cost of works	item		15%	1	\$	631,030.45
					Subtotal	\$	5,942,203.42
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	Ś	136.210.97
		iceni	1		TOTAL	\$	6,078,414.39
					IUIAL	Ş	0,078,414.39



IN89-05

Tarneit Rd/Kenning Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4376.23	\$	200,868.96
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5619	\$	1,011,420.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	601	\$	54,090.00
	40mm Pavement Overlay	sq m	\$ 28.00	511	\$	14,308.00
Kerb & Channel		lin m	\$ 42.00	1539	\$	64,638.00
Footpath	Concrete	sq m	\$ 48.00	2444	\$	117,312.00
Concrete Splitter Islands		sq m	\$ 75.00	573	\$	42,975.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1539	\$	37,705.50
	Drainage Pits	No	\$ 2,100.00	22	\$	46,170.00
	Drainage Pipe	lin m	\$ 150.00	970	\$	145,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	23	\$	5,750.00
	Cost includes 3No 150mm Conduit length and 1No 100mm		,			,
	conduit (i.e. 3 phase + Sheild) and trenching and backfille with	lin m	\$ 342.00	389	\$	133,038.00
66kv Underground (Conduit Only)	thermally treated material. [389m on the west side]		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*	
Environmental Management	[item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	20	\$	360,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150	No.	\$ 8,000.00	6	\$	48,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	500	\$	20,000.00
Vicroads 10 year Maintenance Fee inc	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
		•		Subtotal	\$	2,702,775.46
Council Fees	3.25% of cost of works	item	3.25%	1	\$	87,840.20
Vicroads Fees	1% of cost of works	item	1%	1	\$	27,027.75
Traffic Management	5% of cost of works	item	5%	1	\$	135,138.77
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	13,513.88
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	135,138.77
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	243,249.79
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	67,569.39
Contingency	15% of cost of works	item	15%	1	\$	405,416.32
				Subtotal	\$	3,817,670.33
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	87,511.07
vane 201ac.niig		item	2.23/0	TOTAL	\$	3,905,181.40
				IOIAL	7	3,303,101.40



IN89-06 Derrimut Rd/East-West Connector (central)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.0) 1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.9	3940.5	\$	180,868.95
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.0	5010	\$	901,800.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.0	606	\$	54,540.00
	40mm Pavement Overlay	sq m	\$ 28.0	2619	\$	73,332.00
Kerb & Channel		lin m	\$ 42.0	1895	\$	79,590.00
Footpath	Concrete	sq m	\$ 48.0	2963	\$	142,224.00
Concrete Splitter Islands		sq m	\$ 75.0	511	\$	38,325.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1895	\$	46,427.50
	Drainage Pits	No	\$ 2,100.0	27	\$	56,850.00
	Drainage Pipe	lin m	\$ 150.0	1154	\$	173,100.00
Miscellaneous	Line Marking	item	\$ 25,000.0	1	\$	25,000.00
	Signage	No	\$ 250.0	24	\$	6,000.00
	Tactile pavers	No	\$ 250.0	22	\$	5,500.00
Environmental Management		item	\$ 10,000.0	1	\$	10,000.00
Landscaping		item	\$ 25,000.0	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.0	0	\$	-
	T-intersection	item	\$ 180,000.0	0	\$	-
	Divided cross road	item	\$ 225,000.0	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.0	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.0	23	\$	414,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one side of road only)	No.	\$ 8,000.0	6	\$	48,000.00
Telstra Cable & conduit	two fibre optic cable (cable only on one side of road)	m	\$ 50.0		\$	47,500.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00		\$	38,000.00
Vicroads 10 year Maintenance Fee inc	l Prom & controller	item	\$ 75,000.0	1.00	\$	75,000.00
				Subtotal	\$	2,676,057.45
Council Fees	3.25% of cost of works	item	3.25%	1	\$	86,971.87
Vicroads Fees	1% of cost of works	item	1%	1	\$	26,760.57
Traffic Management	5% of cost of works	item	5%	1	\$	133,802.87
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	13,380.29
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	133,802.87
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	240,845.17
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	66,901.44
Contingency	15% of cost of works	item	15%	1	\$	401,408.62
•				Subtotal	\$	3,779,931.15
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	86.645.99
	V			TOTAL	\$	3,866,577.13
				TOTAL	7	3,000,377.13



IN89-07 Dohertys Rd/North-South Connector

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3497.94	\$	160,555.45
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	4432	\$	797,760.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	558	\$	50,220.00
	40mm Pavement Overlay	sq m	\$	28.00	757	\$	21,196.00
Kerb & Channel		lin m	\$	42.00	970	\$	40,740.00
Footpath	Concrete	sq m	\$	48.00	1367	\$	65,616.00
Concrete Splitter Islands		sq m	\$	75.00	687	\$	51,525.00
Drainage	Subsoil Drains	lin m	\$	24.50	970	\$	23,765.00
	Drainage Pits	No	\$	2,100.00	14	\$	29,100.00
	Drainage Pipe	lin m	\$	150.00	602	\$	90,300.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	24	\$	6,000.00
	Tactile pavers	No	\$	250.00	20	\$	5,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 2	210,000.00	1	\$	210,000.00
	T-intersection	item	\$1	180,000.00	0	\$	-
	Divided cross road	item	\$ 2	25,000.00	0	\$	-
	Divided T-intersection	item	\$ 2	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	17	\$	306,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one side of road only)	No.	\$	8,000.00	4	\$	32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$	50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	500	\$	20,000.00
Vicroads 10 year Maintenance Fee incl	Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,079,777.45
Council Fees	3.25% of cost of works	item		3.25%	1	\$	67,592.77
Vicroads Fees	1% of cost of works	item		1%	1	\$	20,797.77
Traffic Management	5% of cost of works	item		5%	1	\$	103,988.87
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	10,398.89
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	103,988.87
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	187,179.97
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	51,994.44
Contingency	15% of cost of works	item		15%	1	\$	311,966.62
.	•				Subtotal	\$	2,937,685.64
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	1	2.29%	1	\$	67,339.50
Julie 2015 - Julie 2014 Indexing	Osing MDS road and bridge construction victoria	item	<u> </u>	2.29%		_	
					TOTAL	\$	3,005,025.14



IN89-08

Dohertys Rd/Tarneit Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	7830.72	\$	359,430.05
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	10876	\$	1.057.690.00
	wearing course (420mm depth)	sq m	\$ 180.00	10876	Ş	1,957,680.00
	Construct granular pavement (Council Pavement for Collector Street		\$ 90.00	0	Ś	
	550mm depth)	sq m	\$ 90.00	U	Ş	-
	40mm Pavement Overlay	sq m	\$ 28.00	2252	\$	63,056.00
Kerb & Channel		lin m	\$ 42.00	2244	\$	94,248.00
Footpath	Concrete	sq m	\$ 48.00	3157	\$	151,536.00
Concrete Splitter Islands		sq m	\$ 75.00	1218	\$	91,350.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2244	\$	54,978.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit					
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$ 342.00	275	\$	94,050.00
66kv Underground (Conduit Only)	treated material.					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	=
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	=
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee ind	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
			•	Subtotal	\$	3,943,828.05
Council Fees	3.25% of cost of works	item	3.25%	1	\$	128,174.41
Vicroads Fees	1% of cost of works	item	1%	1	\$	39,438.28
Traffic Management	5% of cost of works	item	5%	1	\$	197,191.40
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	19,719.14
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	197,191.40
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	354,944.52
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	98,595.70
Contingency	15% of cost of works	item	15%	1	\$	591,574.21
				Subtotal	\$	5,570,657.12
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	127,694.15
	1 0 11 10 10 11 11 11 11 11 11 11 11 11			TOTAL	Ś	5,698,351.26
				IOIAL	Ş	3,030,331.20



IN89-09 **Dohertys Rd/North-South Connector**

Description	Detail	Unit		Rate	Qty	Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3681.6	\$ 168,985.44
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	4655	\$ 837,900.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	600	\$ 54,000.00
	40mm Pavement Overlay	sq m	\$	28.00	445	\$ 12,460.00
Kerb & Channel		lin m	\$	42.00	961	\$ 40,362.00
Footpath	Concrete	sq m	\$	48.00	1387	\$ 66,576.00
Concrete Splitter Islands		sq m	\$	75.00	371	\$ 27,825.00
Drainage	Subsoil Drains	lin m	\$	24.50	961	\$ 23,544.50
	Drainage Pits	No	\$	2,100.00	14	\$ 28,830.00
	Drainage Pipe	lin m	\$	150.00	595	\$ 89,250.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$ 25,000.00
	Signage	No	\$	250.00	24	\$ 6,000.00
	Tactile pavers	No	\$	250.00	22	\$ 5,500.00
66kv Underground (Conduit Only)	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [240m on the north side]	lin m	\$	342.00	210	\$ 71,820.00
Environmental Management		item	\$	10,000.00	1	\$ 10,000.00
Landscaping		item	Ś	25.000.00	1	\$ 25,000.00
Traffic signals	Cross road	item	Ś	210,000.00	0	\$
<u> </u>	T-intersection	item		180,000.00	0	\$
	Divided cross road	item		225,000.00	1	\$ 225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$ -
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	12	\$ 216,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- one side of road only)	No.	\$	8,000.00	4	\$ 32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$	50.00	210	\$ 10,500.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	210	\$ 8,400.00
Vicroads 10 year Maintenance Fee inc	cl Prom & controller	item	\$	75,000.00	1.00	\$ 75,000.00
					Subtotal	\$ 2,069,952.94
Council Fees	3.25% of cost of works	item		3.25%	1	\$ 67,273.47
Vicroads Fees	1% of cost of works	item		1%	1	\$ 20,699.53
Traffic Management	5% of cost of works	item		5%	1	\$ 103,497.65
Environmental Management	0.5% of cost of works	item		0.5%	1	\$ 10,349.76
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$ 103,497.65
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$ 186,295.76
Site Establishment	2.5% of cost of works	item	1	2.5%	1	\$ 51,748.82
Contingency	15% of cost of works	item		15%	1	\$ 310,492.94
		•			Subtotal	\$ 2,923,808.53
					-	
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	T	2.29%	1	\$ 67,021.40
<u> </u>		1			TOTAL	2 990 829 93

June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 67,021.40
				TOTAL	\$ 2,990,829.93



IN89-10 Dohertys Rd/Derrimut Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	2400.48	\$	110,182.03
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	3334	\$	600,120.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$ 28.00	5730	\$	160,440.00
Kerb & Channel		lin m	\$ 42.00	1375	\$	57,750.00
Footpath	Concrete	sq m	\$ 48.00	2865	\$	137,520.00
Concrete Splitter Islands		sq m	\$ 75.00	500	\$	37,500.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1375	\$	33,687.50
	Drainage Pits	No	\$ 2,100.00	16	\$	33,600.00
	Drainage Pipe	lin m	\$ 150.00	950	\$	142,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	24	\$	6,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$ 342.00	185	\$	63,270.00
66kv Underground (Conduit Only)	treated material. [185m on the south side]		7		7	33,2:3:33
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	_
3 3 3	T-intersection	item	\$ 180,000.00	0	\$	_
	Divided cross road	item	\$ 225,000.00	0	\$	-
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance Fee inc		item	\$ 75,000.00	1.00	\$	75,000.00
,			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Subtotal	\$	1,749,569.53
Council Fees	3.25% of cost of works	item	3.25%	1	\$	56,861.01
Vicroads Fees	1% of cost of works	item	1%	1	\$	17,495.70
Traffic Management	5% of cost of works	item	5%	1	\$	87,478.48
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	8,747.85
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	87,478.48
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	157,461.26
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	43,739.24
Contingency	15% of cost of works	item	15%	1	\$	262,435.43
Ü ,				Subtotal	\$	2,471,266.96
						
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	56,647.95
				TOTAL	\$	2,527,914.92



IN89-11 Tarneit Rd/East-West Connector (south)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4071.12	\$	186,864.41
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	5196	۲.	025 200 00
	wearing course (420mm depth)	sq m	\$ 180.00	5196	\$	935,280.00
	Construct granular pavement (Council Pavement for Collector		\$ 90.00	600	Ś	54,000.00
	Street 550mm depth)	sq m	\$ 90.00	600	Þ	54,000.00
	40mm Pavement Overlay	sq m	\$ 28.00	1300	\$	36,400.00
Kerb & Channel		lin m	\$ 42.00	1562	\$	65,604.00
Footpath	Concrete	sq m	\$ 48.00	2522	\$	121,056.00
Concrete Splitter Islands		sq m	\$ 75.00	511	\$	38,325.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1562	\$	38,269.00
	Drainage Pits	No	\$ 2,100.00	22	\$	46,860.00
	Drainage Pipe	lin m	\$ 150.00	1010	\$	151,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee ir	ncl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,469,658.41
Council Fees	3.25% of cost of works	item	3.25%	1	\$	80,263.90
Vicroads Fees	1% of cost of works	item	1%	1	\$	24,696.58
Traffic Management	5% of cost of works	item	5%	1	\$	123,482.92
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	12,348.29
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	123,482.92
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	222,269.26
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	61,741.46
Contingency	15% of cost of works	item	15%	1	\$	370,448.76
•		•		Subtotal	\$	3,488,392.50
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	79,963.15
				TOTAL	\$	3,568,355.65



IN89-12 Derrimut Rd/East-West Connector (south)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3733.64	\$	171,374.08
Pavement	Construct deep strenght pavement (Arterial Pavement),		,	100.00	4712	Ļ	040 460 00
	including wearing course (420mm depth)	sq m	\$	180.00	4712	\$	848,160.00
	Construct granular pavement (Council Pavement for Collector		\$	90.00	620	٠	FF 000 00
	Street 550mm depth)	sq m	Ş	90.00	620	\$	55,800.00
	40mm Pavement Overlay	sq m	\$	28.00	2203	\$	61,684.00
Kerb & Channel		lin m	\$	42.00	1700	\$	71,400.00
Footpath	Concrete	sq m	\$	48.00	2760	\$	132,480.00
Concrete Splitter Islands		sq m	\$	75.00	278	\$	20,850.00
Drainage	Subsoil Drains	lin m	\$	24.50	1700	\$	41,650.00
	Drainage Pits	No	\$	2,100.00	24	\$	51,000.00
	Drainage Pipe	lin m	\$	150.00	1070	\$	160,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	8	\$	2,000.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	23	\$	414,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every	No.	\$	8,000.00	6	\$	48,000.00
Telstra Cable & conduit	three fibre optic cable (cable only on one side of road)	m	\$	50.00	1260	\$	63,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	1260	\$	50,400.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,565,298.08
Council Fees	3.25% of cost of works	item		3.25%	1	\$	83,372.19
Vicroads Fees	1% of cost of works	item		1%	1	\$	25,652.98
Traffic Management	5% of cost of works	item		5%	1	\$	128,264.90
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	12,826.49
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	128,264.90
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	230,876.83
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	64,132.45
Contingency	15% of cost of works	item		15%	1	\$	384,794.71
					Subtotal	\$	3,623,483.53
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	I	2.29%	1	\$	83,059.79
			-		TOTAL	\$	3,706,543.33



IN89-13 Leakes Rd/Connector West of Cottesloe Blvd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	2513.79	\$	115,382.96
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	3292	\$	592,560.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	261	\$	23,490.00
	40mm Pavement Overlay	sq m	\$ 28.00	550	\$	15,400.00
Kerb & Channel		lin m	\$ 42.00	574	\$	24,108.00
Footpath	Concrete	sq m	\$ 48.00	846	\$	40,608.00
Concrete Splitter Islands		sq m	\$ 75.00	371	\$	27,825.00
Drainage	Subsoil Drains	lin m	\$ 24.50	574	\$	14,063.00
	Drainage Pits	No	\$ 2,100.00	6	\$	12,600.00
	Drainage Pipe	lin m	\$ 150.00	440	\$	66,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
-	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	1,529,536.96
Council Fees	3.25% of cost of works	item	3.25%	1	\$	49,709.95
Vicroads Fees	1% of cost of works	item	1%	1	\$	15,295.37
Traffic Management	5% of cost of works	item	5%	1	\$	76,476.85
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	7,647.68
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	76,476.85
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	137,658.33
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	38,238.42
Contingency	15% of cost of works	item	15%	1	\$	229,430.54
				Subtotal	\$	2,160,470.96
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	49,523.69
				TOTAL	÷	2,209,994.65



IN89-14 Leakes Rd/Tarneit Rd

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	12168	\$ 558,511.20
Pavement	Construct deep strenght pavement (Arterial Pavement), including	sq m	\$ 180.00	16900	\$ 3,042,000.00
	wearing course (420mm depth)				
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$ -
	40mm Pavement Overlay	sq m	\$ 28.00	3217	\$ 90,076.00
Kerb & Channel		lin m	\$ 42.00	3250	\$ 136,500.00
Footpath	Concrete	sq m	\$ 48.00	4810	\$ 230,880.00
Concrete Splitter Islands		sq m	\$ 75.00	605	\$ 45,375.00
Drainage	Subsoil Drains	lin m	\$ 24.50	3250	\$ 79,625.00
	Drainage Pits	No	\$ 2,100.00	24	\$ 50,400.00
	Drainage Pipe	lin m	\$ 150.00	1830	\$ 274,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$ 25,000.00
	Signage	No	\$ 250.00	24	\$ 6,000.00
	Tactile pavers	No	\$ 250.00	24	\$ 6,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm				
	conduit (i.e. 3 phase + Sheild) and trenching and backfille with	lin m	\$ 350.00	389	\$ 136,150.00
66kv Underground (Conduit Only)	thermally treated material. [390m on the east side]				
Environmental Management		item	\$ 10,000.00	1	\$ 10,000.00
Landscaping		item	\$ 25,000.00	1	\$ 25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$ -
	T-intersection	item	\$ 180,000.00	0	\$ -
	Divided cross road	item	\$ 225,000.00	1	\$ 225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$ -
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	35	\$ 630,000.00
Vicroads 10 year Maintenance Fee incl	Prom & controller	item	\$ 75,000.00	1.00	\$ 75,000.00
				Subtotal	\$ 5,656,017.20
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 183,820.56
Vicroads Fees	1% of cost of works	item	1%	1	\$ 56,560.17
Traffic Management	5% of cost of works	item	5%	1	\$ 282,800.86
Environmental Management	0.5% of cost of works	item	0.5%	1	\$ 28,280.09
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 282,800.86
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 509,041.55
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 141,400.43
Contingency	15% of cost of works	item	15%	1	\$ 848,402.58
			•	Subtotal	\$ 7,989,124.30
	T		,		_
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 183,131.79
				TOTAL	\$ 8,172,256.08



IN89-15 Leakes Rd/Crossway ave

Description	Detail	Unit	R	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10	0,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	1877.13	\$	86,160.27
Pavement	Construct deep strenght pavement (Arterial Pavement), including	ca m	\$	180.00	2174	\$	391,320.00
	wearing course (420mm depth)	sq m	Ş	180.00	2174	Ş	391,320.00
	Construct granular pavement (Council Pavement for Collector	sq m	\$	90.00	567	\$	51,030.00
	Street 550mm depth)	34 111	۲	30.00	307	٧	31,030.00
	40mm Pavement Overlay	sq m	\$	28.00	1905	\$	53,340.00
Kerb & Channel		lin m	\$	42.00	500	\$	21,000.00
Footpath	Concrete	sq m	\$	48.00	1215	\$	58,320.00
Concrete Splitter Islands		sq m	\$	75.00	160	\$	12,000.00
Drainage	Subsoil Drains	lin m	\$	24.50	500	\$	12,250.00
	Drainage Pits	No		2,100.00	5	\$	10,500.00
	Drainage Pipe	lin m	\$	150.00	270	\$	40,500.00
Miscellaneous	Line Marking	item	\$ 25	5,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	4	\$	1,000.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit						
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$	342.00	129	\$	44,118.00
66kv Underground (Conduit Only)	treated material. [129m on the south side]						
Environmental Management		item	\$ 10	0,000.00	1	\$	10,000.00
Landscaping		item	\$ 25	5,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210	0,000.00	0	\$	-
	T-intersection	item	\$ 180	0,000.00	0	\$	-
	Divided cross road	item	\$ 225	5,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205	5,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18	8,000.00	16	\$	288,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150n	No.	\$ 8	8,000.00	4	\$	32,000.00
Telstra Cable & conduit	two fibre optic cable (cable only on one side of road)	m	\$	50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	500	\$	20,000.00
Vicroads 10 year Maintenance Fee incl	Prom & controller	item	\$ 75	5,000.00	1.00	\$	75,000.00
					Subtotal	\$	1,519,538.27
Council Fees	3.25% of cost of works	item	3	.25%	1	\$	49,384.99
Vicroads Fees	1% of cost of works	item		1%	1	\$	15,195.38
Traffic Management	5% of cost of works	item		5%	1	\$	75,976.91
Environmental Management	0.5% of cost of works	item	C	0.5%	1	\$	7,597.69
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	75,976.91
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	136,758.44
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	37,988.46
Contingency	15% of cost of works	item	:	15%	1	\$	227,930.74
					Subtotal	\$	2,146,347.80
						•	
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2	.29%	1	\$	49,199.95
					TOTAL	\$	2,195,547.75



IN89-16 Leakes Rd/Derrimut Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	10874.2	\$	499,123.94
Pavement	Construct deep strenght pavement (Arterial Pavement), including		ć 100.00	15102	,	2 740 540 00
	wearing course (420mm depth)	sq m	\$ 180.00	15103	\$	2,718,540.00
	Construct granular pavement (Council Pavement for Collector	.a.m	\$ 90.00	0	\$	
	Street 550mm depth)	sq m	\$ 90.00	U		-
	40mm Pavement Overlay	sq m	\$ 28.00	6413	\$	179,564.00
Kerb & Channel		lin m	\$ 42.00	3405	\$	143,010.00
Footpath	Concrete	sq m	\$ 48.00	4905	\$	235,440.00
Concrete Splitter Islands		sq m	\$ 75.00	665	\$	49,875.00
Drainage	Subsoil Drains	lin m	\$ 24.50	3405	\$	83,422.50
	Drainage Pits	No	\$ 2,100.00	24	\$	50,400.00
	Drainage Pipe	lin m	\$ 150.00	1830	\$	274,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	24	\$	6,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit					
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$ 342.00	370	\$	126,540.00
66kv Underground (Conduit Only)	treated material. [416m on the south side]					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	35	\$	630,000.00
Vicroads 10 year Maintenance Fee incl	Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	5,372,415.44
Council Fees	3.25% of cost of works	item	3.25%	1	\$	174,603.50
Vicroads Fees	1% of cost of works	item	1%	1	\$	53,724.15
Traffic Management	5% of cost of works	item	5%	1	\$	268,620.77
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	26,862.08
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	268,620.77
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	483,517.39
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	134,310.39
Contingency	15% of cost of works	item	15%	1	\$	805,862.32
				Subtotal	\$	7,588,536.81
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	173,949.27
Julie 2017 Hucking	OSING ADD NORW WITH DINASC CONSCIUCTION VICTORIA	пеш	2.23/0		_	
				TOTAL	\$	7,762,486.08



IN90-01 Boundary Road/North-South Connector

not intended for use in construction pricing and do not constitute a Bill of Quantities.

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	6574.3	\$	301,760.37
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	7730	\$	1,391,400.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	1834	\$	165,060.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel		lin m	\$	42.00	2473	\$	103,866.00
Footpath	Concrete	sq m	\$	48.00	3404	\$	163,392.00
Concrete Splitter Islands		sq m	\$	75.00	867	\$	65,025.00
Drainage	Subsoil Drains	lin m	\$	24.50	2473	\$	60,588.50
	Drainage Pits	No	\$	2,100.00	11	\$	23,100.00
	Drainage Pipe	lin m	\$	150.00	670	\$	100,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	12	\$	3,000.00
	Tactile pavers	No	\$	250.00	13	\$	3,250.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance	Fee incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
		•			Subtotal	\$	3,198,941.87
Council Fees	3.25% of cost of works	item		3.25%	1	\$	103,965.61
Vicroads Fees	1% of cost of works	item		1%	1	\$	31,989.42
Traffic Management	5% of cost of works	item		5%	1	\$	159,947.09
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	15,994.71
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	159,947.09
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	287,904.77
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	79,973.55
Contingency	15% of cost of works	item		15%	1	\$	479,841.28
					Subtotal	\$	4,518,505.39
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	ı -	2.29%	1	Ś	103.576.05
		псш		25/0	TOTAL	\$	4,622,081.45
					IUIAL	Ş	4,022,001.45

The estimated construction costs provided in this document have been issued to the Growth Areas Authority for budgeting purposes only for the Development Contributions Plan. SMEC Australia assumes no liability for losses incurred through changes to the quantities required to construct the intersection or increases in construction costs. These values are



IN90-02

Boundary Rd/Morris Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	4463.28	\$	204,864.55
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	6199	\$	1,115,820.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	1299	\$	36,372.00
Kerb & Channel		lin m	\$	42.00	1129	\$	47,418.00
Footpath	Concrete	sq m	\$	48.00	1451	\$	69,648.00
Concrete Splitter Islands		sq m	\$	75.00	364	\$	27,300.00
Drainage	Subsoil Drains	lin m	\$	24.50	1129	\$	27,660.50
	Drainage Pits	No	\$	2,100.00	10	\$	21,000.00
	Drainage Pipe	lin m	\$	150.00	1040	\$	156,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	9	\$	2,250.00
	Tactile pavers	No	\$	250.00	8	\$	2,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
		L			Subtotal	\$	2,276,333.05
Council Fees	3.25% of cost of works	item		3.25%	1	\$	73,980.82
Vicroads Fees	1% of cost of works	item		1%	1	\$	22,763.33
Traffic Management	5% of cost of works	item		5%	1	\$	113,816.65
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	11,381.67
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	113,816.65
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	204,869.97
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	56,908.33
Contingency	15% of cost of works	item		15%	1	\$	341,449.96
	•				TOTAL	\$	3,215,320.44
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	1	2.29%	1	Ś	73,703.62
June 2015 - June 2014 muexing	Osing Abb Road and bridge constituction victoria	пеш	Ц	2.2370		7	·
					TOTAL	\$	3,289,024.06



Boundary Rd/Forsyth/Christies Rd IN90-03

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	4685.76	\$	215,076.38
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	6508	\$	1,171,440.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	2948	\$	82,544.00
Kerb & Channel		lin m	\$	42.00	1219	\$	51,198.00
Footpath	Concrete	sq m	\$	48.00	1611	\$	77,328.00
Concrete Splitter Islands		sq m	\$	75.00	289	\$	21,675.00
Drainage	Subsoil Drains	lin m	\$	24.50	1219	\$	29,865.50
	Drainage Pits	No	\$	2,100.00	10	\$	21,000.00
	Drainage Pipe	lin m	\$	150.00	1040	\$	156,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	9	\$	2,250.00
	Tactile pavers	No	\$	250.00	8	\$	2,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
-	T-intersection T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance F	ee incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,396,376.88
Council Fees	3.25% of cost of works	item		3.25%	1	\$	77,882.25
Vicroads Fees	1% of cost of works	item		1%	1	\$	23,963.77
Traffic Management	5% of cost of works	item		5%	1	\$	119,818.84
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	11,981.88
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	119,818.84
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	215,673.92
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	59,909.42
Contingency	15% of cost of works	item		15%	1	\$	359,456.53
					Subtotal	\$	3,384,882.35
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	:ka.us	1	2.200/	1	خ ا	77,590.43
Julie 2013 - Julie 2014 ilidexing	Osing App road and pridge construction victoria	item	<u> </u>	2.29%		\$	
					TOTAL	\$	3,462,472.77



IN90-04

Morris Rd/East-West Conenctor (north)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3341.81	\$	153,389.08
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	4193	\$	754,740.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	587	\$	52,830.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel	·	lin m	\$	42.00	1218	\$	51,156.00
Footpath	Concrete	sq m	\$	48.00	1636	\$	78,528.00
Concrete Splitter Islands		sq m	\$	75.00	421	\$	31,575.00
Drainage	Subsoil Drains	lin m	\$	24.50	1218	\$	29,841.00
	Drainage Pits	No	\$	2,100.00	10	\$	21,000.00
	Drainage Pipe	lin m	\$	150.00	684	\$	102,600.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	10	\$	2,500.00
	Tactile pavers	No	\$	250.00	16	\$	4,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
-	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	9	\$	162,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	1,794,159.08
Council Fees	3.25% of cost of works	item		3.25%	1	\$	58,310.17
Vicroads Fees	1% of cost of works	item		1%	1	\$	17,941.59
Traffic Management	5% of cost of works	item		5%	1	\$	89,707.95
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	8,970.80
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	89,707.95
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	161,474.32
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	44,853.98
Contingency	15% of cost of works	item		15%	1	\$	269,123.86
	·	•			Subtotal	\$	2,534,249.70
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	<u> </u>	2.29%	1	\$	58,091.68
	0 10 10 10 10 10 10 10 10 10 10 10 10 10		1		TOTAL	\$	2,592,341.38
					TOTAL	Y	2,332,341.30



IN90-05 Forsyth/Christies Rd/East-West Conenctor (north)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	6359.36	\$	291,894.62
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	8368	\$	1,506,240.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	608	\$	54,720.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$	-
Kerb & Channel		lin m	\$ 42.00	1870	\$	78,540.00
Footpath	Concrete	sq m	\$ 48.00	2489	\$	119,472.00
Concrete Splitter Islands		sq m	\$ 75.00	4103	\$	307,725.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1870	\$	45,815.00
	Drainage Pits	No	\$ 2,100.00	18	\$	37,800.00
	Drainage Pipe	lin m	\$ 150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	22	\$	5,500.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management	·	item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	20	\$	360,000.00
Vicroads 10 year Maintenance Fee i		item	\$ 75,000.00	1.00	\$	75,000.00
-				Subtotal	\$	3,363,206.62
Council Fees	3.25% of cost of works	item	3.25%	1	\$	109,304.22
Vicroads Fees	1% of cost of works	item	1%	1	\$	33,632.07
Traffic Management	5% of cost of works	item	5%	1	\$	168,160.33
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	16,816.03
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	168,160.33
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	302,688.60
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	84,080.17
Contingency	15% of cost of works	item	15%	1	\$	504,480.99
				Subtotal	\$	4,750,529.36
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	108,894.66
	1 0 1 1 10 1 1 1			TOTAL	\$	4,859,424.01
				IUIAL	Ą	4,000,424.01



IN90-06 Morris Rd/East-West Conenctor (central)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3773.04	\$	173,182.54
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	4782	\$	860,760.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	600	\$	54,000.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	=
Kerb & Channel		lin m	\$	42.00	1376	\$	57,792.00
Footpath	Concrete	sq m	\$	48.00	1893	\$	90,864.00
Concrete Splitter Islands		sq m	\$	75.00	899	\$	67,425.00
Drainage	Subsoil Drains	lin m	\$	24.50	1376	\$	33,712.00
	Drainage Pits	No	\$	2,100.00	20	\$	41,280.00
	Drainage Pipe	lin m	\$	150.00	766	\$	114,900.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	22	\$	5,500.00
	Tactile pavers	No	\$	250.00	22	\$	5,500.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
		L			Subtotal	\$	2,288,915.54
Council Fees	3.25% of cost of works	item		3.25%	1	\$	74,389.75
Vicroads Fees	1% of cost of works	item		1%	1	\$	22,889.16
Traffic Management	5% of cost of works	item		5%	1	\$	114,445.78
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	11,444.58
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	114,445.78
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	206,002.40
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	57,222.89
Contingency	15% of cost of works	item		15%	1	\$	343,337.33
	<u> </u>				Subtotal	\$	3,233,093.19
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	Ś	74,111.02
2011 macking			1	2.2370	TOTAL	\$	3,307,204.21
					IUIAL	Ş	3,307,204.21



IN90-07 Forsyth/Christies Rd/East-West Conenctor (central)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	7770.9	\$	356,684.31
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	10330	·	4 050 400 00
	wearing course (420mm depth)	sq m	\$ 180.00	10330	\$	1,859,400.00
	Construct granular pavement (Council Pavement for Collector Street		\$ 90.00	606	\$	54,540.00
	550mm depth)	sq m	\$ 90.00	606	Ş	54,540.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$	=
Kerb & Channel		lin m	\$ 42.00	2398	\$	100,716.00
Footpath	Concrete	sq m	\$ 48.00	3496	\$	167,808.00
Concrete Splitter Islands		sq m	\$ 75.00	5286	\$	396,450.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2398	\$	58,751.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1000	\$	150,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	17	\$	4,250.00
	Tactile pavers	No	\$ 250.00	23	\$	5,750.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
-	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	29	\$	522,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
			•	Subtotal	\$	4,088,349.31
Council Fees	3.25% of cost of works	item	3.25%	1	\$	132,871.35
Vicroads Fees	1% of cost of works	item	1%	1	\$	40,883.49
Traffic Management	5% of cost of works	item	5%	1	\$	204,417.47
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	20,441.75
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	204,417.47
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	367,951.44
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	102,208.73
Contingency	15% of cost of works	item	15%	1	\$	613,252.40
	•			Subtotal	\$	5,774,793.40
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	132,373.49
	1 0			TOTAL	\$	5,907,166.89
				IUIAL	Ą	5,307,100.89



IN90-08

Dohertys Rd/Additional North-South Conenctor

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	2412.84	\$	110,749.36
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	3122	\$	561,960.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	300	\$	27,000.00
	40mm Pavement Overlay	sq m	\$	28.00	838	\$	23,464.00
Kerb & Channel		lin m	\$	42.00	770	\$	32,340.00
Footpath	Concrete	sq m	\$	48.00	1130	\$	54,240.00
Concrete Splitter Islands		sq m	\$	75.00	176	\$	13,200.00
Drainage	Subsoil Drains	lin m	\$	24.50	770	\$	18,865.00
	Drainage Pits	No	\$	2,100.00	11	\$	23,100.00
	Drainage Pipe	lin m	\$	150.00	150	\$	22,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	10	\$	2,500.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3						
	phase + Sheild) and trenching and backfille with thermally treated material.	lin m	\$	342.00	180	\$	61,560.00
66kv Underground (Conduit Only)	[180m on the south side]		ľ				,
Environmental Management	·	item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$:	210,000.00	0	\$	-
	T-intersection	item	\$:	180,000.00	0	\$	-
	Divided cross road	item	\$:	225,000.00	0	\$	-
	Divided T-intersection	item	\$:	205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	10	\$	180,000.00
Vicroads 10 year Maintenance Fee in	cl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
		L			Subtotal	\$	1,484,478.36
Council Fees	3.25% of cost of works	item		3.25%	1	\$	48,245.55
Vicroads Fees	1% of cost of works	item		1%	1	\$	14,844.78
Traffic Management	5% of cost of works	item		5%	1	\$	74,223.92
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	7,422.39
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	74,223.92
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	133,603.05
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	37,111.96
Contingency	15% of cost of works	item		15%	1	\$	222,671.75
					Subtotal	\$	2,096,825.68
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	48,064.77
<u> </u>					TOTAL	\$	2,144,890.45
					IUIAL	Ţ	2,144,070.45



IN90-09 Dohertys Rd/North-South Conenctor

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	3910.96	\$	179,513.06
Pavement	Construct deep strenght pavement (Arterial Pavement), including	sq m	\$ 180.00	4943	\$	889,740.00
	wearing course (420mm depth)		,			
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	640	\$	57,600.00
	40mm Pavement Overlay	sq m	\$ 28.00	729	\$	20,412.00
Kerb & Channel		lin m	\$ 42.00	900	\$	37,800.00
Footpath	Concrete	sq m	\$ 48.00	1295	\$	62,160.00
Concrete Splitter Islands		sq m	\$ 75.00	371	\$	27,825.00
Drainage	Subsoil Drains	lin m	\$ 24.50	900	\$	22,050.00
	Drainage Pits	No	\$ 2,100.00	13	\$	27,000.00
	Drainage Pipe	lin m	\$ 150.00	370	\$	55,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit					
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$ 342.00	200	\$	68,400.00
66kv Underground (Conduit Only)	treated material. [200m on the south side]					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	=
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	12	\$	216,000.00
Vicroads 10 year Maintenance Fee incl	Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,045,500.06
Council Fees	3.25% of cost of works	item	3.25%	1	\$	66,478.75
Vicroads Fees	1% of cost of works	item	1%	1	\$	20,455.00
Traffic Management	5% of cost of works	item	5%	1	\$	102,275.00
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	10,227.50
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	102,275.00
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	184,095.01
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	51,137.50
Contingency	15% of cost of works	item	15%	1	\$	306,825.01
				Subtotal	\$	2,889,268.84
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	66,229.66
Julie 2013 - Julie 2014 Illuexilla	Doning And Wood and minder construction Aicrona	пеш	2.29%	-	_	<u> </u>
				TOTAL	\$	2,955,498.50



IN90-10

Dohertys Rd/Morris Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	8560.8	\$	392,940.72
Pavement	Construct deep strenght pavement (Arterial Pavement), including	ca m	\$ 180.00	11890	\$	2,140,200.00
	wearing course (420mm depth)	sq m	\$ 180.00	11090	Ş	2,140,200.00
	Construct granular pavement (Council Pavement for Collector		\$ 90.00	0	\$	
	Street 550mm depth)	sq m	\$ 90.00	U	Ş	-
	40mm Pavement Overlay	sq m	\$ 28.00	1396	\$	39,088.00
Kerb & Channel		lin m	\$ 42.00	2244	\$	94,248.00
Footpath	Concrete	sq m	\$ 48.00	3157	\$	151,536.00
Concrete Splitter Islands		sq m	\$ 75.00	1218	\$	91,350.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2244	\$	54,978.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
	Cost includes 3No 150mm Conduit length and 1No 100mm					
	conduit (i.e. 3 phase + Sheild) and trenching and backfille with	lin m	\$ 342.00	301	\$	102,942.00
66kv Underground (Conduit Only)	thermally treated material. [300m on the south side]					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee in	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	4,144,782.72
Council Fees	3.25% of cost of works	item	3.25%	1	\$	134,705.44
Vicroads Fees	1% of cost of works	item	1%	1	\$	41,447.83
Traffic Management	5% of cost of works	item	5%	1	\$	207,239.14
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	20,723.91
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	207,239.14
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	Ś	373,030.44
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	103,619.57
Contingency	15% of cost of works	item	15%	1	Ś	621,717.41
<i>5</i> ,				Subtotal	\$	5,854,505.59
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	134,200.70
				TOTAL		5,988,706.29



IN90-11 Dohertys Rd/Woods Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	5515.46	\$	253,159.61
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	7173	\$	1,291,140.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	638	\$	57,420.00
	40mm Pavement Overlay		\$	28.00	3261	\$	01 200 00
Kerb & Channel	4011111 Pavellient Overlay	sq m lin m	\$	42.00	1820	\$	91,308.00 76,440.00
Footpath	Concrete		\$	48.00	3060	\$	146,880.00
Concrete Splitter Islands	Concrete	sq m	\$	75.00	200	\$	15,000.00
Drainage	Subsoil Drains	sq m lin m	\$	24.50	1820	\$	44,590.00
Dialiage	Drainage Pits	No	\$	2,100.00	26	\$	54,600.00
	Drainage Pipe	lin m	\$	150.00	1102	\$	165,300.00
Miscellaneous	Line Marking	item	\$	30,000.00	1102	\$	30.000.00
Miscellatieous	Signage	No	\$	250.00	2	\$	500.00
	Tactile pavers	No	\$	250.00	10	\$	2,500.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit	INU	Ş	230.00	10	Ş	2,300.00
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$	342.00	220	\$	75,240.00
66kv Underground (Conduit Only)	treated material. [220m on the south side]						
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	2	\$	450,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	30	\$	540,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m-	No.	\$	8,000.00	6	\$	48,000.00
Telstra Cable & conduit	three fibre optic cable (cable only on one side of road)	m	\$	50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	500	\$	20,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	16	\$	288,000.00
Vicroads 10 year Maintenance Fee inc	l Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
			•		Subtotal	\$	3,795,077.61
Council Fees	3.25% of cost of works	item		3.25%	1	\$	123,340.02
Vicroads Fees	1% of cost of works	item		1%	1	\$	37,950.78
Traffic Management	5% of cost of works	item		5%	1	\$	189,753.88
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	18,975.39
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	189,753.88
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	341,556.99
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	94,876.94
Contingency	15% of cost of works	item		15%	1	\$	569,261.64
					Subtotal	\$	5,360,547.13
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	122,877.87
					TOTAL	\$	5,483,425.00



IN90-12 Dohertys Rd/Forsyth/Christies Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	11389	\$	522,753.26
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	15010	,	2.047.240.00
	wearing course (420mm depth)	sq m	\$ 180.00	15818	\$	2,847,240.00
	Construct granular pavement (Council Pavement for Collector Street		\$ 90.00	0	ć	
	550mm depth)	sq m	\$ 90.00	U	\$	-
	40mm Pavement Overlay	sq m	\$ 28.00	1881	\$	52,668.00
Kerb & Channel		lin m	\$ 42.00	2844	\$	119,448.00
Footpath	Concrete	sq m	\$ 48.00	4053	\$	194,544.00
Concrete Splitter Islands		sq m	\$ 75.00	4173	\$	312,975.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2844	\$	69,678.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit					
	(i.e. 3 phase + Sheild) and trenching and backfille with thermally	lin m	\$ 342.00	330	\$	112,860.00
66kv Underground (Conduit Only)	treated material. [330m on the south side]					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee inc	l Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
			•	Subtotal	\$	5,309,666.26
Council Fees	3.25% of cost of works	item	3.25%	1	\$	172,564.15
Vicroads Fees	1% of cost of works	item	1%	1	\$	53,096.66
Traffic Management	5% of cost of works	item	5%	1	\$	265,483.31
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	26,548.33
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	265,483.31
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	477,869.96
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	132,741.66
Contingency	15% of cost of works	item	15%	1	\$	796,449.94
				Subtotal	\$	7,499,903.60
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	itom	2.20%	1	خ ا	171 017 50
Julie 2013 - June 2014 Indexing	Using Abs Koad and Dridge construction victoria	item	2.29%	-	\$	171,917.56
				TOTAL	Ş	7,671,821.16



IN90-13 Morris Rd/Additional East-West Connector

Description	Detail	Unit		Rate	Qty	Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	1979.82	\$ 90,873.74
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	2516	\$ 452,880.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	306	\$ 27,540.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$ -
Kerb & Channel		lin m	\$	42.00	620	\$ 26,040.00
Footpath	Concrete	sq m	\$	48.00	318	\$ 15,264.00
Concrete Splitter Islands		sq m	\$	75.00	350	\$ 26,250.00
Drainage	Subsoil Drains	lin m	\$	24.50	620	\$ 15,190.00
	Drainage Pits	No	\$	2,100.00	9	\$ 18,600.00
	Drainage Pipe	lin m	\$	150.00	418	\$ 62,700.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$ 25,000.00
	Signage	No	\$	250.00	12	\$ 3,000.00
	Tactile pavers	No	\$	250.00	14	\$ 3,500.00
Environmental Management		item	\$	10,000.00	1	\$ 10,000.00
Landscaping		item	\$	25,000.00	1	\$ 25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$ -
	T-intersection	item	\$	180,000.00	0	\$ -
	Divided cross road	item	\$	225,000.00	0	\$ -
	Divided T-intersection	item	\$	205,000.00	1	\$ 205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	5	\$ 90,000.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$	75,000.00	1.00	\$ 75,000.00
					Subtotal	\$ 1,181,837.74
Council Fees	3.25% of cost of works	item		3.25%	1	\$ 38,409.73
Vicroads Fees	1% of cost of works	item		1%	1	\$ 11,818.38
Traffic Management	5% of cost of works	item		5%	1	\$ 59,091.89
Environmental Management	0.5% of cost of works	item		0.5%	1	\$ 5,909.19
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$ 59,091.89
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$ 106,365.40
Site Establishment	2.5% of cost of works	item		2.5%	1	\$ 29,545.94
Contingency	15% of cost of works	item		15%	1	\$ 177,275.66
					Subtotal	\$ 1,669,345.80
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$ 38,265.81
		•	-		TOTAL	1,707,611.61



IN90-14 Morris Rd/ East-West Connector (south)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3651.36	\$	167,597.42
Pavement	Construct deep strenght pavement (Arterial Pavement), including	sq m	\$	180.00	4613	\$	830,340.00
	wearing course (420mm depth)	34 111	ڔ	180.00	4013	ڔ	830,340.00
	Construct granular pavement (Council Pavement for Collector Street	sg m	\$	90.00	600	\$	54,000.00
	550mm depth)	34 111	ڔ	90.00	000	۲	34,000.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel		lin m	\$	42.00	1300	\$	54,600.00
Footpath	Concrete	sq m	\$	48.00	1774	\$	85,152.00
Concrete Splitter Islands		sq m	\$	75.00	848	\$	63,600.00
Drainage	Subsoil Drains	lin m	\$	24.50	1300	\$	31,850.00
	Drainage Pits	No	\$	2,100.00	18.5714	\$	39,000.00
	Drainage Pipe	lin m	\$	150.00	730	\$	109,500.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	22	\$	5,500.00
	Tactile pavers	No	\$	250.00	22	\$	5,500.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	1	\$	210,000.00
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	0	\$	-
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	20	\$	360,000.00
Vicroads 10 year Maintenance Fee ir	ncl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
		•			Subtotal	\$	2,161,639.42
Council Fees	3.25% of cost of works	item		3.25%	1	\$	70,253.28
Vicroads Fees	1% of cost of works	item		1%	1	\$	21,616.39
Traffic Management	5% of cost of works	item		5%	1	\$	108,081.97
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	10,808.20
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	108,081.97
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	194,547.55
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	54,040.99
Contingency	15% of cost of works	item		15%	1	\$	324,245.91
,					Subtotal	\$	3,053,315.69
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	69,990.04
					TOTAL	\$	3,123,305.73



IN90-15 Leaks Rd/Sunset Views Blvd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3149.5	\$	144,562.05
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	3945	\$	710,100.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	562	\$	50,580.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel		lin m	\$	42.00	650	\$	27,300.00
Footpath	Concrete	sq m	\$	48.00	863	\$	41,424.00
Concrete Splitter Islands		sq m	\$	75.00	160	\$	12,000.00
Drainage	Subsoil Drains	lin m	\$	24.50	650	\$	15,925.00
	Drainage Pits	No	\$	2,100.00	9	\$	19,500.00
	Drainage Pipe	lin m	\$	150.00	694	\$	104,100.00
Miscellaneous	Line Marking	item	\$	25.000.00	1	\$	25,000.00
	Signage	No	\$	250.00	4	\$	1,000.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e.						,
66kv Underground (Conduit Only)	3 phase + Sheild) and trenching and backfille with thermally treated material. [125m on the south side]	lin m	\$	342.00	125	\$	42,750.00
Environmental Management	material (125m on the south side)	item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
Traine signals	T-intersection	item	<u> </u>	180,000.00	0	\$	-
	Divided cross road	item		225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	16	\$	288,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- on	No.	\$	8,000.00	4	\$	32,000.00
Telstra Cable & conduit	three fibre optic cable (cable only on one side of road)	m	\$	50.00	500	\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	500	\$	20,000.00
Vicroads 10 year Maintenance Fee inc	l Prom & controller	item	Ś	75,000.00	1.00	Ś	75,000.00
,				,	Subtotal	\$	1,907,241.05
Council Fees	3.25% of cost of works	item	Ī	3.25%	1	\$	61,985.33
Vicroads Fees	1% of cost of works	item	t	1%	1	\$	19,072.41
Traffic Management	5% of cost of works	item	1	5%	1	Ś	95,362.05
Environmental Management	0.5% of cost of works	item	t	0.5%	1	\$	9,536.21
Professional Fees	Survey & Design 5% of cost of works	item	l	5%	1	\$	95,362.05
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	Ś	171,651.69
Site Establishment	2.5% of cost of works	item	t	2.5%	1	\$	47,681.03
Contingency	15% of cost of works	item		15%	1	\$	286,086.16
, , , , , , , , , , , , , , , , , , ,			1		Subtotal	\$	2,693,977.98
			1				
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	<u> </u>	2.29%	1	\$	61,753.08
					TOTAL	\$	2,755,731.06



IN90-16 Leaks Rd/ Morris Rd

Clearing & Grubbing Earth Works Cut place & Compact and disposal Pavement Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth) Construct granular pavement (Council Pavement for Collector Street 550mm depth) 40mm Pavement Overlay Kerb & Channel Footpath Concrete Concrete Subsoil Drains Drainage Subsoil Drains Drainage Pits No Drainage Pipe lin m Miscellaneous Line Marking Signage No Tactile pavers Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management Landscaping Trintersection Divided T-intersection Item Divided cross road item Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item Council Fees 3.25% of cost of works		45.90 180.00 90.00 28.00 42.00 48.00 75.00 24.50 21.00.00 150.00 250.00 250.00	7054.56 9798 0 0 1616 2153 790 1616 13 810 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,000.00 323,804.30 1,763,640.00 - - - 67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 6,000.00
Pavement Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth) Construct granular pavement (Council Pavement for Collector Street 550mm depth) 40mm Pavement Overlay Sq m Kerb & Channel Footpath Concrete Splitter Islands Drainage Subsoil Drains Drainage Pits No Drainage Pipe Ilin m Miscellaneous Line Marking Signage No Tactile pavers Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management Landscaping Traffic signals Cross road T-intersection Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) No Vicroads 10 year Maintenance Fee incl Prom & controller istem item No Vicroads 10 year Maintenance Fee incl Prom & controller	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	180.00 90.00 28.00 42.00 48.00 75.00 24.50 2,100.00 150.00 250.00 250.00	9798 0 0 1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,763,640.00 67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
wearing course (420mm depth) Construct granular pavement (Council Pavement for Collector Street 550mm depth) 40mm Pavement Overlay sq m Kerb & Channel Footpath Concrete Concrete Splitter Islands Drainage Subsoil Drains Iin m Drainage Pits No Drainage Pipe Iin m Miscellaneous Line Marking Signage No Tactile pavers Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management Landscaping Traffic signals Cross road T-intersection Divided cross road Divided cross road Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) No Vicroads 10 year Maintenance Fee incl Prom & controller item Iitem Iitem No Vicroads 10 year Maintenance Fee incl Prom & controller	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	90.00 28.00 42.00 48.00 75.00 24.50 21.00.00 150.00 250.00 250.00 342.00	0 0 1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$ \$ \$	67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
wearing course (420mm depth) Construct granular pavement (Council Pavement for Collector Street 550mm depth) 40mm Pavement Overlay sq m Kerb & Channel Footpath Concrete Subsoil Drains Drainage Subsoil Drains Drainage Pits No Drainage Pipe lin m Miscellaneous Line Marking Signage No Tactile pavers Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management Landscaping Traffic signals Cross road item Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) Vicroads 10 year Maintenance Fee incl Prom & controller item Item Item Vicroads 10 year Maintenance Fee incl Prom & controller Is a g m Sq	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	90.00 28.00 42.00 48.00 75.00 24.50 21.00.00 150.00 250.00 250.00 342.00	0 0 1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$ \$ \$	67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
S50mm depth Sq m A0mm Pavement Overlay Sq m Kerb & Channel Iin m Footpath Concrete Sq m Sq m Concrete Splitter Islands Sq m	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	28.00 42.00 48.00 75.00 24.50 2,100.00 150.00 250.00 250.00	0 1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$ \$	67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
S50mm depth Sq m Kerb & Channel Iin m Footpath Concrete Sq m Concrete Splitter Islands Sq m Drainage Subsoil Drains Iin m Drainage Pits No Drainage Pipe Iin m Iin m Miscellaneous Line Marking Item Signage No Tactile pavers No No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated Iin m Miscellaneous Item Signage No No No No Tactile pavers Iin m Iin m	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	28.00 42.00 48.00 75.00 24.50 2,100.00 150.00 250.00 250.00	0 1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$ \$	67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Kerb & Channel Footpath Concrete Splitter Islands Drainage Subsoil Drains Drainage Pits No Drainage Pipe Iin m Miscellaneous Line Marking Signage No Tactile pavers Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management Landscaping Traffic signals Cross road T-intersection Divided cross road Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) Vicroads 10 year Maintenance Fee incl Prom & controller item Intersection Vicroads 10 year Maintenance Fee incl Prom & controller item Intersection Vicroads 10 year Maintenance Fee incl Prom & controller Iin m Sq m Sq m No No No No No No No Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller Vicroads 10 year Maintenance Fee incl Prom & controller	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	42.00 48.00 75.00 24.50 52,100.00 150.00 25,000.00 250.00 250.00	1616 2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$	67,872.00 103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Footpath Concrete Splitter Islands Sq m Concrete Splitter Islands Sq m Sq m Drainage Subsoil Drains Ilin m Drainage Pits No Drainage Pipe Ilin m Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Ilin m Material. [450m on the south side] Item Traffic signals Cross road Item T-intersection Item Divided cross road Item Divided T-intersection Item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item Item Item	\$ \$ \$ \$ \$ \$ \$	48.00 75.00 24.50 2,100.00 150.00 250.00 250.00 342.00	2153 790 1616 13 810 1 12 24	\$ \$ \$ \$ \$ \$ \$	103,344.00 59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Concrete Splitter Islands Sq m Drainage Subsoil Drains Iin m Drainage Pits No Drainage Pipe Iin m Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Traffic signals Cross road item Traffic signals Cross road item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$ \$ \$ \$ \$ \$	75.00 24.50 2,100.00 150.00 25,000.00 250.00 342.00	790 1616 13 810 1 12 24 450	\$ \$ \$ \$ \$ \$	59,250.00 39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Drainage Subsoil Drains Iin m Drainage Pits No Drainage Pits No Drainage Pipe Iin m Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Traffic signals Cross road item Traffic signals Cross road item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$ \$ \$ \$ \$ \$	24.50 2,100.00 150.00 25,000.00 250.00 342.00	1616 13 810 1 12 24 450	\$ \$ \$ \$ \$	39,592.00 27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Drainage Pits No Drainage Pipe Iin m Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated Iin m 66kv Underground (Conduit Only) material. [450m on the south side] Environmental Management item Landscaping Item Traffic signals Cross road item T-intersection item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$ \$ \$ \$ \$	5 2,100.00 150.00 5 25,000.00 250.00 250.00 342.00	13 810 1 12 24 450	\$ \$ \$ \$	27,300.00 121,500.00 25,000.00 3,000.00 6,000.00
Drainage Pipe lin m Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated lin m 66kv Underground (Conduit Only) material. [450m on the south side] Environmental Management item Landscaping item Traffic signals Cross road item T-intersection item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$ \$ \$ \$	150.00 25,000.00 250.00 250.00 342.00	810 1 12 24 450	\$ \$ \$	121,500.00 25,000.00 3,000.00 6,000.00
Miscellaneous Line Marking item Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated lin m material. [450m on the south side] Environmental Management item Landscaping item Traffic signals Cross road item Divided cross road item Divided trintersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$ \$	25,000.00 250.00 250.00 342.00	1 12 24 450	\$ \$	25,000.00 3,000.00 6,000.00 153,900.00
Signage No Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Landscaping item Traffic signals Cross road item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	250.00 250.00 342.00	12 24 450	\$	3,000.00 6,000.00 153,900.00
Tactile pavers No Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Landscaping item Traffic signals Cross road item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	250.00 342.00	24 450	\$	6,000.00 153,900.00
Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Landscaping Cross road item Traffic signals Cross road item Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	342.00	450	\$	153,900.00
3 phase + Sheild) and trenching and backfille with thermally treated material. [450m on the south side] Environmental Management item Landscaping Cross road item Traffic signals Cross road item Divided cross road item Divided dross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$				
66kv Underground (Conduit Only) Environmental Management Landscaping Traffic signals Cross road T-intersection Divided cross road Divided T-intersection Intersection Lighting New lighting pole (All Inclusive) Vicroads 10 year Maintenance Fee incl Prom & controller item No.	\$				
Environmental Management item Landscaping item Traffic signals Cross road item T-intersection item Divided cross road item Divided T-intersection item New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item		5 10,000.00	1	\$	10,000.00
Landscaping item Traffic signals Cross road item T-intersection item Divided cross road item Divided T-intersection item Divided T-intersection item New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item		10,000.00	1	\$	10,000.00
Traffic signals Cross road T-intersection Divided cross road Divided T-intersection item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	-				
T-intersection item Divided cross road item Divided T-intersection item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	Ş	25,000.00	1	\$	25,000.00
Divided cross road item Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	210,000.00	0	\$	_
Divided T-intersection item Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	180,000.00	0	\$	-
Intersection Lighting New lighting pole (All Inclusive) No. Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	225,000.00	1	\$	225,000.00
Vicroads 10 year Maintenance Fee incl Prom & controller item	\$	205,000.00	0	\$	-
		18,000.00	30	\$	540,000.00
Council Fees 3.25% of cost of works item	\$	75,000.00	1.00	\$	75,000.00
Council Fees 3.25% of cost of works item			Subtotal	\$	3,579,202.30
		3.25%	1	\$	116,324.07
Vicroads Fees 1% of cost of works item		1%	1	\$	35,792.02
Traffic Management 5% of cost of works item		5%	1	\$	178,960.12
Environmental Management 0.5% of cost of works item		0.5%	1	\$	17,896.01
Professional Fees Survey & Design 5% of cost of works item		5%	1	\$	178,960.12
Professional Fees Supervision & Project Management 9% of cost of works item		9%	1	\$	322,128.21
Site Establishment 2.5% of cost of works item		2.5%	1	\$	89,480.06
Contingency 15% of cost of works item		15%	1	\$	536,880.35
	•		Subtotal	\$	5,055,623.25
					<u> </u>
June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item	1	2.29%	1	\$	115,888.21
<u> </u>			TOTAL	\$	5,171,511.47



IN90-17 Leaks Rd/Woods Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	3130.06	\$	143,669.75
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	3918	\$	705,240.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	562	\$	50,580.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$	-
Kerb & Channel		lin m	\$ 42.00	734	\$	30,828.00
Footpath	Concrete	sq m	\$ 48.00	876	\$	42,048.00
Concrete Splitter Islands		sq m	\$ 75.00	160	\$	12,000.00
Drainage	Subsoil Drains	lin m	\$ 24.50	734	\$	17,983.00
-	Drainage Pits	No	\$ 2,100.00	7	\$	14,700.00
	Drainage Pipe	lin m	\$ 150.00	494	\$	74,100.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	4	\$	1,000.00
	Tactile pavers	No	\$ 250.00	12	\$	3,000.00
	Cost includes 3No 150mm Conduit length and 1No 100mm conduit (i.e. 3 phase + Sheild) and trenching and backfille with thermally treated	lin m	\$ 342.00	127	\$	43,434.00
66kv Underground (Conduit Only)	material. [128m on the south side]					
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00		\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00		\$	-
	T-intersection	item	\$ 180,000.00		\$	-
	Divided cross road	item	\$ 225,000.00		\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	=
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m- or	No.	\$ 8,000.00		\$	32,000.00
Telstra Cable & conduit	three fibre optic cable (cable only on one side of road)	m	\$ 50.00		\$	25,000.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	500	\$	20,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	16	\$	288,000.00
Vicroads 10 year Maintenance Fee inc	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	1,873,582.75
Council Fees	3.25% of cost of works	item	3.25%	1	\$	60,891.44
Vicroads Fees	1% of cost of works	item	1%	1	\$	18,735.83
Traffic Management	5% of cost of works	item	5%	1	\$	93,679.14
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	9,367.91
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	93,679.14
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	168,622.45
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	46,839.57
Contingency	15% of cost of works	item	15%	1	\$	281,037.41
				Subtotal	\$	2,646,435.64
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	60,663.28
			•	TOTAL	Ś	2,707,098.92
					Υ.	_,,



IN90-19 Forsyth/Christies Rd/East-West Conenctor Blvd (south)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	5677.8	\$	260,611.02
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	9498	\$	1,709,640.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	591	\$	53,190.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$	-
Kerb & Channel		lin m	\$ 42.00	2367	\$	99,414.00
Footpath	Concrete	sq m	\$ 48.00	3530	\$	169,440.00
Concrete Splitter Islands		sq m	\$ 75.00	5172	\$	387,900.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2000	\$	49,000.00
	Drainage Pits	No	\$ 2,100.00	15	\$	31,500.00
	Drainage Pipe	lin m	\$ 150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	23	\$	5,750.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
-	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
-				Subtotal	\$	3,735,945.02
Council Fees	3.25% of cost of works	item	3.25%	1	\$	121,418.21
Vicroads Fees	1% of cost of works	item	1%	1	\$	37,359.45
Traffic Management	5% of cost of works	item	5%	1	\$	186,797.25
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	18,679.73
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	186,797.25
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	336,235.05
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	93,398.63
Contingency	15% of cost of works	item	15%	1	\$	560,391.75
·		•	•	Subtotal	\$	5,277,022.34
			1	ı		
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	120,963.26
				TOTAL	Ś	5,397,985.60



IN91-01 Leakes Rd/Standard Conenctor

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	4000.32	\$	183,614.69
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	5006	\$	901,080.00
	Construct granular pavement (Council Pavement for Collector Street 550nm depth)	sq m	\$	90.00	720	\$	64,800.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	
Kerb & Channel		lin m	Ś	42.00	1274	\$	53,508.00
Footpath	Concrete	sq m	\$	48.00	1853	\$	88,944.00
Concrete Splitter Islands		sq m	\$	75.00	854	\$	64,050.00
Drainage	Subsoil Drains	lin m	\$	24.50	1274	\$	31,213.00
	Drainage Pits	No	\$	2,100.00	18	\$	38,220.00
	Drainage Pipe	lin m	\$	150.00	756	\$	113,400.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	17	\$	4,250.00
	Tactile pavers	No	\$	250.00	23	\$	5,750.00
Environmental Management	· ·	item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$, , , , , , , , , , , , , , , , , , ,
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	29	\$	522,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m-	No.	\$	8,000.00	6	\$	48,000.00
Telstra Cable & conduit	two fibre optic cable (cable only on one side of road)	m	\$	50.00	700	\$	35,000.00
Telstra Trenching	excavate and reinstate	m	\$	40.00	700	\$	28,000.00
Vicroads 10 year Maintenance Fo	ee incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	2,551,829.69
Council Fees	3.25% of cost of works	item		3.25%	1	\$	82,934.46
Vicroads Fees	1% of cost of works	item		1%	1	\$	25,518.30
Traffic Management	5% of cost of works	item		5%	1	\$	127,591.48
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	12,759.15
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	127,591.48
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	229,664.67
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	63,795.74
Contingency	15% of cost of works	item		15%	1	\$	382,774.45
					Subtotal	\$	3,604,459.43
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	82,623.71
	· ·				TOTAL	\$	3,687,083.15
					IUIAL	Ą	3,007,003.13



IN91-02 Leakes Rd/Davis Rd

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	6572.16	\$	301,662.14
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	9128	\$	1,643,040.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$	28.00	4000	\$	112,000.00
Kerb & Channel		lin m	\$	42.00	2244	\$	94,248.00
Footpath	Concrete	sq m	\$	48.00	3157	\$	151,536.00
Concrete Splitter Islands		sq m	\$	75.00	1218	\$	91,350.00
Drainage	Subsoil Drains	lin m	\$	24.50	2244	\$	54,978.00
	Drainage Pits	No	\$	2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$	150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	24	\$	6,000.00
	Tactile pavers	No	\$	250.00	22	\$	5,500.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	3,526,314.14
Council Fees	3.25% of cost of works	item		3.25%	1	\$	114,605.21
Vicroads Fees	1% of cost of works	item		1%	1	\$	35,263.14
Traffic Management	5% of cost of works	item		5%	1	\$	176,315.71
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	17,631.57
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	176,315.71
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	317,368.27
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	88,157.85
Contingency	15% of cost of works	item		15%	1	\$	528,947.12
		•			Subtotal	\$	4,980,918.73
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	Ś	114,175.79
Julie 2013 - Julie 2014 IllueXIIIg	Osing ADS Wood and bridge construction victoria	пеш	<u> </u>	2.2370		_	,
					TOTAL	\$	5,095,094.52



IN91-03 Davis Rd/East-West Connector (north)

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3962.2	\$	181,864.98
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	5005	\$	900,900.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	652	\$	58,680.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel		lin m	\$	42.00	787	\$	33,054.00
Footpath	Concrete	sq m	\$	48.00	1516	\$	72,768.00
Concrete Splitter Islands		sq m	\$	75.00	160	\$	12,000.00
Drainage	Subsoil Drains	lin m	\$	24.50	787	\$	19,281.50
	Drainage Pits	No	\$	2,100.00	11	\$	23,610.00
	Drainage Pipe	lin m	\$	150.00	560	\$	84,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	4	\$	1,000.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
Environmental Management	·	item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
-	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	16	\$	288,000.00
Vicroads 10 year Maintenance I	Fee incl Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
·		L		·	Subtotal	\$	2,048,158.48
Council Fees	3.25% of cost of works	item		3.25%	1	\$	66,565.15
Vicroads Fees	1% of cost of works	item		1%	1	\$	20,481.58
Traffic Management	5% of cost of works	item		5%	1	\$	102,407.92
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	10,240.79
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	102,407.92
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	184,334.26
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	51,203.96
Contingency	15% of cost of works	item		15%	1	\$	307,223.77
					Subtotal	\$	2,893,023.85
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	\$	66.315.73
Jane 2015 June 2014 Muching	Some the state and bridge construction victoria	псп	<u> </u>	2.23/0	TOTAL	·	2,959,339.59
					IOIAL	7	2,000,000.00



IN91-04 Sayers Rd/North-South Connector

Description	Detail	Unit		Rate	Qty		Amount
Clearing & Grubbing		item	\$	10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$	45.90	3017.82	\$	138,517.94
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$	180.00	3646	\$	656,280.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$	90.00	714	\$	64,260.00
	40mm Pavement Overlay	sq m	\$	28.00	0	\$	-
Kerb & Channel		lin m	\$	42.00	925	\$	38,850.00
Footpath	Concrete	sq m	\$	48.00	1840	\$	88,320.00
Concrete Splitter Islands		sq m	\$	75.00	250	\$	18,750.00
Drainage	Subsoil Drains	lin m	\$	24.50	925	\$	22,662.50
	Drainage Pits	No	\$	2,100.00	13.21429	\$	27,750.00
	Drainage Pipe	lin m	\$	150.00	660	\$	99,000.00
Miscellaneous	Line Marking	item	\$	25,000.00	1	\$	25,000.00
	Signage	No	\$	250.00	4	\$	1,000.00
	Tactile pavers	No	\$	250.00	12	\$	3,000.00
Environmental Management		item	\$	10,000.00	1	\$	10,000.00
Landscaping		item	\$	25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$	210,000.00	0	\$	-
	T-intersection	item	\$	180,000.00	0	\$	-
	Divided cross road	item	\$	225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$	205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$	18,000.00	15	\$	270,000.00
Vicroads 10 year Maintenance Fee inc	Prom & controller	item	\$	75,000.00	1.00	\$	75,000.00
					Subtotal	\$	1,798,390.44
Council Fees	3.25% of cost of works	item		3.25%	1	\$	58,447.69
Vicroads Fees	1% of cost of works	item		1%	1	\$	17,983.90
Traffic Management	5% of cost of works	item		5%	1	\$	89,919.52
Environmental Management	0.5% of cost of works	item		0.5%	1	\$	8,991.95
Professional Fees	Survey & Design 5% of cost of works	item		5%	1	\$	89,919.52
Professional Fees	Supervision & Project Management 9% of cost of works	item		9%	1	\$	161,855.14
Site Establishment	2.5% of cost of works	item		2.5%	1	\$	44,959.76
Contingency	15% of cost of works	item		15%	1	\$	269,758.57
-					Subtotal	\$	2,540,226.49
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item		2.29%	1	Ś	58,228.69
Table 2021 maching	The state of the s	item	Ь—	25/0	TOTAL	÷	· · · · · ·
					IUIAL	Ş	2,598,455.18



IN91-05 Sayers Rd/Armstrong Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4924.08	\$	226,015.27
Pavement	Construct deep strenght pavement (Arterial Pavement), including		\$ 180.00	6839	\$	1 221 020 00
	wearing course (420mm depth)	sq m	\$ 180.00	6839	>	1,231,020.00
	Construct granular pavement (Council Pavement for Collector		\$ 90.00	0	,	
	Street 550mm depth)	sq m	\$ 90.00	U	\$	-
	40mm Pavement Overlay	sq m	\$ 28.00	2205	\$	61,740.00
Kerb & Channel		lin m	\$ 42.00	1494	\$	62,748.00
Footpath	Concrete	sq m	\$ 48.00	2577	\$	123,696.00
Concrete Splitter Islands		sq m	\$ 75.00	225	\$	16,875.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1494	\$	36,603.00
	Drainage Pits	No	\$ 2,100.00	15	\$	31,500.00
	Drainage Pipe	lin m	\$ 150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	4	\$	1,000.00
	Tactile pavers	No	\$ 250.00	12	\$	3,000.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$210,000.00	0	\$	-
-	T-intersection	item	\$180,000.00	0	\$	-
	Divided cross road	item	\$225,000.00	0	\$	-
	Divided T-intersection	item	\$205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	20	\$	360,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,684,197.27
Council Fees	3.25% of cost of works	item	3.25%	1	\$	87,236.41
Vicroads Fees	1% of cost of works	item	1%	1	\$	26,841.97
Traffic Management	5% of cost of works	item	5%	1	\$	134,209.86
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	13,420.99
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	134,209.86
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	241,577.75
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	67,104.93
Contingency	15% of cost of works	item	15%	1	\$	402,629.59
			•	Subtotal	\$	3,791,428.65
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	86,909.54
				TOTAL	\$	3,878,338.19



IN91-06 Sayers Rd/North-South Connector (east)

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	3810.96	\$ 174,923.06
Pavement	Construct deep strenght pavement (Arterial Pavement), including		400.00	4740	050 740 00
	wearing course (420mm depth)	sq m	\$ 180.00	4743	\$ 853,740.00
	Construct granular pavement (Council Pavement for Collector Street		.	720	64.000.00
	550mm depth)	sq m	\$ 90.00	720	\$ 64,800.00
	40mm Pavement Overlay	sq m	\$ 28.00	1353	\$ 37,884.00
Kerb & Channel		lin m	\$ 42.00	1324	\$ 55,608.00
Footpath	Concrete	sq m	\$ 48.00	1967	\$ 94,416.00
Concrete Splitter Islands		sq m	\$ 75.00	511	\$ 38,325.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1324	\$ 32,438.00
	Drainage Pits	No	\$ 2,100.00	18.91429	\$ 39,720.00
	Drainage Pipe	lin m	\$ 150.00	800	\$ 120,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$ 25,000.00
	Signage	No	\$ 250.00	24	\$ 6,000.00
	Tactile pavers	No	\$ 250.00	22	\$ 5,500.00
Environmental Management		item	\$ 10,000.00	1	\$ 10,000.00
Landscaping		item	\$ 25,000.00	1	\$ 25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$ _
	T-intersection	item	\$ 180,000.00	0	\$ -
	Divided cross road	item	\$ 225,000.00	1	\$ 225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$ =
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$ 414,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every 150m-	No.	\$ 8,000.00	4	\$ 32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.00	350	\$ 17,500.00
Telstra Trenching	excavate and reinstate	m	\$ 40.00	350	\$ 14,000.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	\$ 75,000.00
			•	Subtotal	\$ 2,370,854.06
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 77,052.76
Vicroads Fees	1% of cost of works	item	1%	1	\$ 23,708.54
Traffic Management	5% of cost of works	item	5%	1	\$ 118,542.70
Environmental Management	0.5% of cost of works	item	0.5%	1	\$ 11,854.27
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 118,542.70
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 213,376.87
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 59,271.35
Contingency	15% of cost of works	item	15%	1	\$ 355,628.11
			•	Subtotal	\$ 3,348,831.37
			T		
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 76,764.04
				TOTAL	\$ 3,425,595.41



IN91-07 Davis Rd/Sayers Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	20500	\$	940,950.00
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	7972	\$	1,434,960.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$	=
	40mm Pavement Overlay	sq m	\$ 28.00	5406	\$	151,368.00
Kerb & Channel		lin m	\$ 42.00	2244	\$	94,248.00
Footpath	Concrete	sq m	\$ 48.00	3157	\$	151,536.00
Concrete Splitter Islands		sq m	\$ 75.00	1218	\$	91,350.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2244	\$	54,978.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1240	\$	186,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee inc		item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	3,996,890.00
Council Fees	3.25% of cost of works	item	3.25%	1	\$	129,898.93
Vicroads Fees	1% of cost of works	item	1%	1	\$	39,968.90
Traffic Management	5% of cost of works	item	5%	1	\$	199,844.50
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	19,984.45
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	199,844.50
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	359,720.10
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	99,922.25
Contingency	15% of cost of works	item	15%	1	\$	599,533.50
		•	•	Subtotal	\$	5,645,607.13
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	129,412.20
June 2015 - June 2014 Indexilig	Osing 7.05 hour and bridge construction victoria	iteiii	2.23/0		_	
				TOTAL	\$	5,775,019.32



IN91-08 Armstrong Rd/Additional East-West Connector

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	2451.42	\$	112,520.18
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	3116	\$	560,880.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	378	\$	34,020.00
	40mm Pavement Overlay	sq m	\$ 28.00	1137	\$	31,836.00
Kerb & Channel		lin m	\$ 42.00	1117	\$	46,914.00
Footpath	Concrete	sq m	\$ 48.00	2228	\$	106,944.00
Concrete Splitter Islands		sq m	\$ 75.00	343	\$	25,725.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1117	\$	27,366.50
	Drainage Pits	No	\$ 2,100.00	16	\$	33,510.00
	Drainage Pipe	lin m	\$ 150.00	610	\$	91,500.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	3	\$	750.00
	Tactile pavers	No	\$ 250.00	10	\$	2,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	0	\$	-
	Divided T-intersection	item	\$ 205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	26	\$	468,000.00
Vicroads 10 year Maintenance Fee in	cl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
			•	Subtotal	\$	1,892,465.68
Council Fees	3.25% of cost of works	item	3.25%	1	\$	61,505.13
Vicroads Fees	1% of cost of works	item	1%	1	\$	18,924.66
Traffic Management	5% of cost of works	item	5%	1	\$	94,623.28
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	9,462.33
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	94,623.28
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	170,321.91
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	47,311.64
Contingency	15% of cost of works	item	15%	1	\$	283,869.85
				Subtotal	\$	2,673,107.77
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	61,274.68
			1	TOTAL	÷	2,734,382.45



IN91-09 Armstrong Rd/Additional East-West Connector (north)

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	5460.4	\$	250,632.36
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5995	\$	1,079,100.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	2080	\$	187,200.00
	40mm Pavement Overlay	sq m	\$ 28.00	1039	\$	29,092.00
Kerb & Channel		lin m	\$ 42.00	2006	\$	84,252.00
Footpath	Concrete	sq m	\$ 48.00	3800	\$	182,400.00
Concrete Splitter Islands		sq m	\$ 75.00	461	\$	34,575.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2006	\$	49,147.00
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1260	\$	189,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
-	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,922,898.36
Council Fees	3.25% of cost of works	item	3.25%	1	\$	94,994.20
Vicroads Fees	1% of cost of works	item	1%	1	\$	29,228.98
Traffic Management	5% of cost of works	item	5%	1	\$	146,144.92
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	14,614.49
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	146,144.92
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	263,060.85
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	73,072.46
Contingency	15% of cost of works	item	15%	1	\$	438,434.75
				Subtotal	\$	4,128,593.93
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	94,638.26
	0 1111111011111111111111111111111111111			TOTAL	_	4,223,232.19
				IOIAL	7	7,223,232.13



IN91-10 Armstrong Rd/Additional East-West Connector (south)

Description	Detail	Unit	Rate	Qty	Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$ 10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4268.09	\$ 195,905.33
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5452	\$ 981,360.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	623	\$ 56,070.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$ -
Kerb & Channel		lin m	\$ 42.00	1270	\$ 53,340.00
Footpath	Concrete	sq m	\$ 48.00	2052	\$ 98,496.00
Concrete Splitter Islands		sq m	\$ 75.00	511	\$ 38,325.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1270	\$ 31,115.00
	Drainage Pits	No	\$ 2,100.00	20	\$ 42,000.00
	Drainage Pipe	lin m	\$ 150.00	1260	\$ 189,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$ 25,000.00
	Signage	No	\$ 250.00	24	\$ 6,000.00
	Tactile pavers	No	\$ 250.00	22	\$ 5,500.00
Environmental Management		item	\$ 10,000.00	1	\$ 10,000.00
Landscaping		item	\$ 25,000.00	1	\$ 25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$ -
	T-intersection	item	\$ 180,000.00	0	\$ -
	Divided cross road	item	\$ 225,000.00	1	\$ 225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$ -
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$ 414,000.00
Vicroads 10 year Maintenance Fee i	ncl Prom & controller	item	\$ 75,000.00	1.00	\$ 75,000.00
		•	•	Subtotal	\$ 2,481,111.33
Council Fees	3.25% of cost of works	item	3.25%	1	\$ 80,636.12
Vicroads Fees	1% of cost of works	item	1%	1	\$ 24,811.11
Traffic Management	5% of cost of works	item	5%	1	\$ 124,055.57
Environmental Management	0.5% of cost of works	item	0.5%	1	\$ 12,405.56
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$ 124,055.57
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$ 223,300.02
Site Establishment	2.5% of cost of works	item	2.5%	1	\$ 62,027.78
Contingency	15% of cost of works	item	15%	1	\$ 372,166.70
				Subtotal	\$ 3,504,569.76
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$ 80,333.98
<u> </u>				TOTAL	\$ 3,584,903.73



IN91-11 Armstrong Rd/Hogans Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	6145.92	\$	282,097.73
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	8536	\$	1,536,480.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	0	\$	-
	40mm Pavement Overlay	sq m	\$ 28.00	790	\$	22,120.00
Kerb & Channel		lin m	\$ 42.00	1509	\$	63,378.00
Footpath	Concrete	sq m	\$ 48.00	2654	\$	127,392.00
Concrete Splitter Islands		sq m	\$ 75.00	250	\$	18,750.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1509	\$	36,970.50
	Drainage Pits	No	\$ 2,100.00	15	\$	31,500.00
	Drainage Pipe	lin m	\$ 150.00	1200	\$	180,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	4	\$	1,000.00
	Tactile pavers	No	\$ 250.00	12	\$	3,000.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	0	\$	=
	Divided T-intersection	item	\$ 205,000.00	1	\$	205,000.00
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	20	\$	360,000.00
Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
		*	•	Subtotal	\$	3,012,688.23
Council Fees	3.25% of cost of works	item	3.25%	1	\$	97,912.37
Vicroads Fees	1% of cost of works	item	1%	1	\$	30,126.88
Traffic Management	5% of cost of works	item	5%	1	\$	150,634.41
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	15,063.44
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	150,634.41
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	271,141.94
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	75,317.21
Contingency	15% of cost of works	item	15%	1	\$	451,903.23
			•	Subtotal	\$	4,255,422.12
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	97,545.49
	1	item	2.23/0	TOTAL	\$	4,352,967.61
				LOTAL	Υ.	7,332,307.01



IN91-12 Hogans Rd/North-South Connector Blvd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	4233.9	\$	194,336.01
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	5445	\$	980,100.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	570	\$	51,300.00
	40mm Pavement Overlay	sq m	\$ 28.00	0	\$	-
Kerb & Channel		lin m	\$ 42.00	1272	\$	53,424.00
Footpath	Concrete	sq m	\$ 48.00	2106	\$	101,088.00
Concrete Splitter Islands		sq m	\$ 75.00	899	\$	67,425.00
Drainage	Subsoil Drains	lin m	\$ 24.50	1272	\$	31,164.00
	Drainage Pits	No	\$ 2,100.00	18.1714	\$	38,160.00
	Drainage Pipe	lin m	\$ 150.00	1280	\$	192,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	22	\$	5,500.00
	Tactile pavers	No	\$ 250.00	22	\$	5,500.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	1	\$	210,000.00
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	0	\$	-
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	2,488,997.01
Council Fees	3.25% of cost of works	item	3.25%	1	\$	80,892.40
Vicroads Fees	1% of cost of works	item	1%	1	\$	24,889.97
Traffic Management	5% of cost of works	item	5%	1	\$	124,449.85
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	12,444.99
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	124,449.85
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	224,009.73
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	62,224.93
Contingency	15% of cost of works	item	15%	1	\$	373,349.55
				Subtotal	\$	3,515,708.28
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	Ś	80.589.30
saile 2015 saile 2014 macking	Some room and small some some victoria	item	2.23/0	TOTAL	\$,
				IUIAL	Þ	3,596,297.58



IN91-13 Hogans Rd/Additional North-South Connector

Earth Works	Description	Detail	Unit	Rate	Qty		Amount
Construct deep strength pavement (Arterial Pavement), including wearing course (420mm depth) Sqm S 180.00 4535 S 816,300.00 S 57,600.00 S 57,600.00 S 57,600.00 S 57,600.00 S S S0,000 S S	Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Wearing course (420mm depth)	Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	3617.2	\$	166,029.48
S50mm depth Sq m S 90.00 640 S 57,600.00	Pavement	, , , , , , , , , , , , , , , , , , , ,	sq m	\$ 180.00	4535	\$	816,300.00
Kerb & Channel Concrete Sq m \$ 42.00 1330 \$ 55,860.00		, ,	sq m	\$ 90.00	640	\$	57,600.00
Footpath		40mm Pavement Overlay	sq m	\$ 28.00	0	\$	-
Subscriptor Splitter Islands Sq m \$ 75.00 511 \$ 38,325.00	Kerb & Channel		lin m	\$ 42.00	1330	\$	55,860.00
Drainage Subsoil Drains Iin m \$ 24.50 1330 \$ 32,585.00	Footpath	Concrete	sq m	\$ 48.00	1734	\$	83,232.00
Drainage Pits	Concrete Splitter Islands		sq m	\$ 75.00	511	\$	38,325.00
Drainage Pipe	Drainage	Subsoil Drains	lin m	\$ 24.50	1330	\$	32,585.00
Line Marking Line	-	Drainage Pits	No	\$ 2,100.00	19	\$	39,900.00
Signage		Drainage Pipe	lin m	\$ 150.00	700	\$	105,000.00
Tactile pavers No \$ 250.00 22 \$ 5,500.00	Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
Tactile pavers		Signage	No	\$ 250.00	24	\$	6,000.00
Item \$ 25,000.00 1 \$ 25,000.00 1 \$ 25,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 1 \$ 210,000.00 \$ \$ \$ \$ 25,000.00 0 \$ \$ \$ \$ \$ \$ \$ \$			No	\$ 250.00	22	\$	5,500.00
Traffic signals	Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
T-intersection	Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Divided cross road item \$ 225,000.00 0 \$	Traffic signals	Cross road	item	\$ 210,000.00	1	\$	210,000.00
Divided T-intersection item \$ 205,000.00 0 \$		T-intersection	item	\$ 180,000.00	0	\$	_
No. \$ 18,000.00 23 \$ 414,000.00		Divided cross road	item	\$ 225,000.00	0	\$	-
Vicroads 10 year Maintenance Fee incl Prom & controller item \$ 75,000.00 1.00 \$ 75,000.00		Divided T-intersection	item	\$ 205,000.00	0	\$	-
Subtotal \$ 2,175,331.48	Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Council Fees 3.25% of cost of works item 3.25% 1 \$ 70,698.27 Vicroads Fees 1% of cost of works item 1% 1 \$ 21,753.31 Traffic Management 5% of cost of works item 5% 1 \$ 108,766.57 Environmental Management 0.5% of cost of works item 0.5% 1 \$ 10,876.65 Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 108,766.57 Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 195,779.83 Site Establishment 2.5% of cost of works item 2.5% 1 \$ 54,383.29 Contingency 15% of cost of works item 15% 1 \$ 326,299.72 June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 70,433.37	Vicroads 10 year Maintenance Fee in	ncl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
Vicroads Fees 1% of cost of works item 1% 1 \$ 21,753.31			1		Subtotal	\$	2,175,331.48
Traffic Management 5% of cost of works item 5% 1 \$ 108,766.57 Environmental Management 0.5% of cost of works item 0.5% 1 \$ 10,876.66 Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 108,766.57 Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 195,779.83 Site Establishment 2.5% of cost of works item 2.5% 1 \$ 54,383.29 Contingency 15% of cost of works item 15% 1 \$ 326,299.72 June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 70,433.37	Council Fees	3.25% of cost of works	item	3.25%	1	\$	70,698.27
Environmental Management 0.5% of cost of works item 0.5% 1 \$ 10,876.66	Vicroads Fees	1% of cost of works	item	1%	1	\$	21,753.31
Professional Fees Survey & Design 5% of cost of works item 5% 1 \$ 108,766.57	Traffic Management	5% of cost of works	item	5%	1	\$	108,766.57
Professional Fees Supervision & Project Management 9% of cost of works item 9% 1 \$ 195,779.83	Environmental Management	0.5% of cost of works	item	0.5%	1	\$	10,876.66
Site Establishment 2.5% of cost of works item 2.5% 1 \$ 54,383.29	Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	108,766.57
Contingency 15% of cost of works item 15% 1 \$ 326,299.72	Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	195,779.83
June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 70,433.37	Site Establishment	2.5% of cost of works	item	2.5%	1	\$	54,383.29
June 2013 - June 2014 Indexing Using ABS Road and bridge construction Victoria item 2.29% 1 \$ 70,433.37	Contingency	15% of cost of works	item	15%	1	\$	326,299.72
5 5 5 THE							
	June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	70,433.37
		-			TOTAL	\$	3,143,089.08



IN91-14

Davis Rd/Hogans Rd

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.00	1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.90	5682.02	\$	260,804.72
Pavement	Construct deep strenght pavement (Arterial Pavement), including wearing course (420mm depth)	sq m	\$ 180.00	7386	\$	1,329,480.00
	Construct granular pavement (Council Pavement for Collector Street 550mm depth)	sq m	\$ 90.00	662	\$	59,580.00
	40mm Pavement Overlay	sq m	\$ 28.00	2615	\$	73,220.00
Kerb & Channel		lin m	\$ 42.00	2141	\$	89,922.00
Footpath	Concrete	sq m	\$ 48.00	3248	\$	155,904.00
Concrete Splitter Islands		sq m	\$ 75.00	793	\$	59,475.00
Drainage	Subsoil Drains	lin m	\$ 24.50	2141	\$	52,454.50
	Drainage Pits	No	\$ 2,100.00	20	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.00	1300	\$	195,000.00
Miscellaneous	Line Marking	item	\$ 25,000.00	1	\$	25,000.00
	Signage	No	\$ 250.00	24	\$	6,000.00
	Tactile pavers	No	\$ 250.00	21	\$	5,250.00
Environmental Management		item	\$ 10,000.00	1	\$	10,000.00
Landscaping		item	\$ 25,000.00	1	\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.00	0	\$	-
	T-intersection	item	\$ 180,000.00	0	\$	-
	Divided cross road	item	\$ 225,000.00	1	\$	225,000.00
	Divided T-intersection	item	\$ 205,000.00	0	\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.00	23	\$	414,000.00
Vicroads 10 year Maintenance Fee	incl Prom & controller	item	\$ 75,000.00	1.00	\$	75,000.00
				Subtotal	\$	3,113,090.22
Council Fees	3.25% of cost of works	item	3.25%	1	\$	101,175.43
Vicroads Fees	1% of cost of works	item	1%	1	\$	31,130.90
Traffic Management	5% of cost of works	item	5%	1	\$	155,654.51
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	15,565.45
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	155,654.51
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	280,178.12
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	77,827.26
Contingency	15% of cost of works	item	15%	1	\$	466,963.53
				Subtotal	\$	4,397,239.93
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria	item	2.29%	1	\$	100,796.33
5	•			TOTAL	_	4,498,036.26
						+,+30,030.20



IN91-15 Davis Rd/East-West Connector

Description	Detail	Unit	Rate	Qty		Amount
Clearing & Grubbing		item	\$ 10,000.0) 1	\$	10,000.00
Earth Works	Cut place & Compact and disposal	cu m	\$ 45.9	5569.55	\$	255,642.35
Pavement	Construct deep strenght pavement (Arterial Pavement),	60 m	\$ 180.0	5660	\$	1 010 000 00
	including wearing course (420mm depth)	sq m	\$ 180.0	3000	Ş	1,018,800.00
	Construct granular pavement (Council Pavement for Collector	ca m	\$ 90.0	2717	\$	244,530.00
	Street 550mm depth)	sq m	\$ 90.0	2/1/	Ş	244,330.00
	40mm Pavement Overlay	sq m	\$ 28.0	1328	\$	37,184.00
Kerb & Channel		lin m	\$ 42.0	1905	\$	80,010.00
Footpath	Concrete	sq m	\$ 48.0	4569	\$	219,312.00
Concrete Splitter Islands		sq m	\$ 75.0	250	\$	18,750.00
Drainage	Subsoil Drains	lin m	\$ 24.5	1905	\$	46,672.50
	Drainage Pits	No	\$ 2,100.0	_	\$	42,000.00
	Drainage Pipe	lin m	\$ 150.0	980	\$	147,000.00
Miscellaneous	Line Marking	item	\$ 25,000.0) 1	\$	25,000.00
	Signage	No	\$ 250.0		\$	1,000.00
	Tactile pavers	No	\$ 250.0		\$	3,000.00
Environmental Management		item	\$ 10,000.0		\$	10,000.00
Landscaping		item	\$ 25,000.0		\$	25,000.00
Traffic signals	Cross road	item	\$ 210,000.0	_	\$	210,000.00
	T-intersection	item	\$ 180,000.0		\$	-
	Divided cross road	item	\$ 225,000.0		\$	-
	Divided T-intersection	item	\$ 205,000.0		\$	-
Intersection Lighting	New lighting pole (All Inclusive)	No.	\$ 18,000.0	_	\$	270,000.00
Telstra Pit	Pit and fibre conenction at the pit (pit at each corner and every	No.	\$ 8,000.0	_	\$	32,000.00
Telstra Cable & conduit	one fibre optic cable (cable only on one side of road)	m	\$ 50.0		\$	16,500.00
Telstra Trenching	excavate and reinstate	m	\$ 40.0		\$	13,200.00
Vicroads 10 year Maintenance Fee inc	l Prom & controller	item	\$ 75,000.0		\$	75,000.00
				Subtotal	\$	2,800,600.85
Council Fees	3.25% of cost of works	item	3.25%	1	\$	91,019.53
Vicroads Fees	1% of cost of works	item	1%	1	\$	28,006.01
Traffic Management	5% of cost of works	item	5%	1	\$	140,030.04
Environmental Management	0.5% of cost of works	item	0.5%	1	\$	14,003.00
Professional Fees	Survey & Design 5% of cost of works	item	5%	1	\$	140,030.04
Professional Fees	Supervision & Project Management 9% of cost of works	item	9%	1	\$	252,054.08
Site Establishment	2.5% of cost of works	item	2.5%	1	\$	70,015.02
Contingency	15% of cost of works	item	15%	1	\$	420,090.13
				Subtotal	\$	3,955,848.69
June 2013 - June 2014 Indexing	Using ABS Road and bridge construction Victoria		2 200/	1	ć	00.670.40
Julie 2013 - Julie 2014 Indexing	osing Abs Road and bridge construction victoria	item	2.29%	1	\$	90,678.48
				TOTAL	\$	4,046,527.17

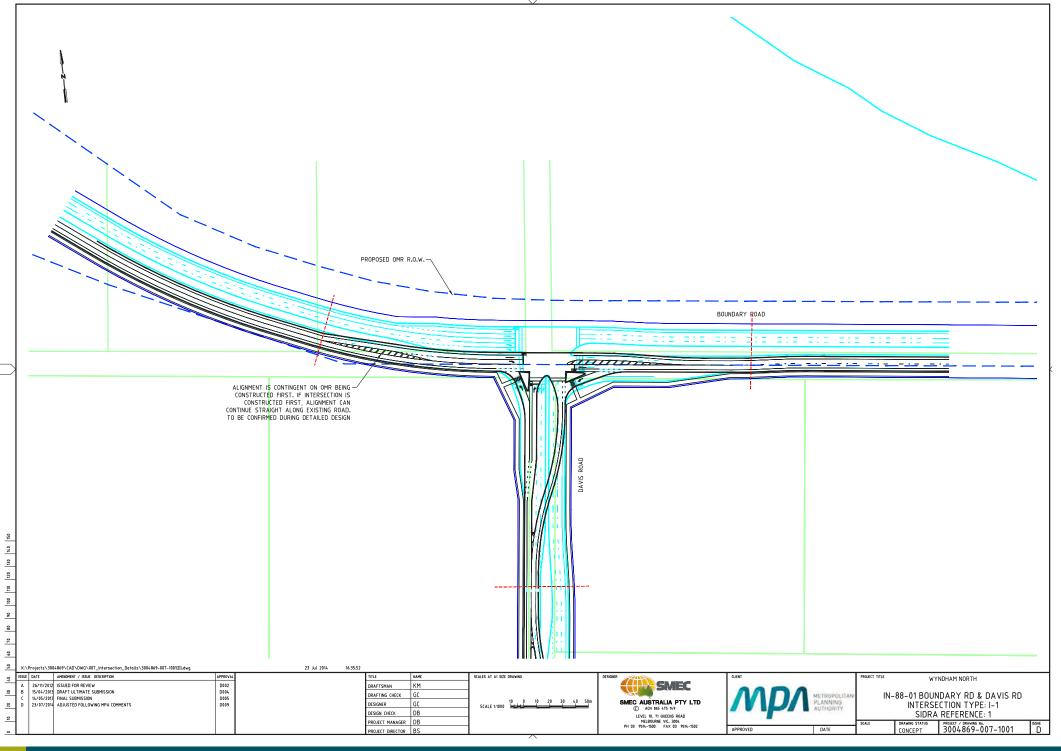


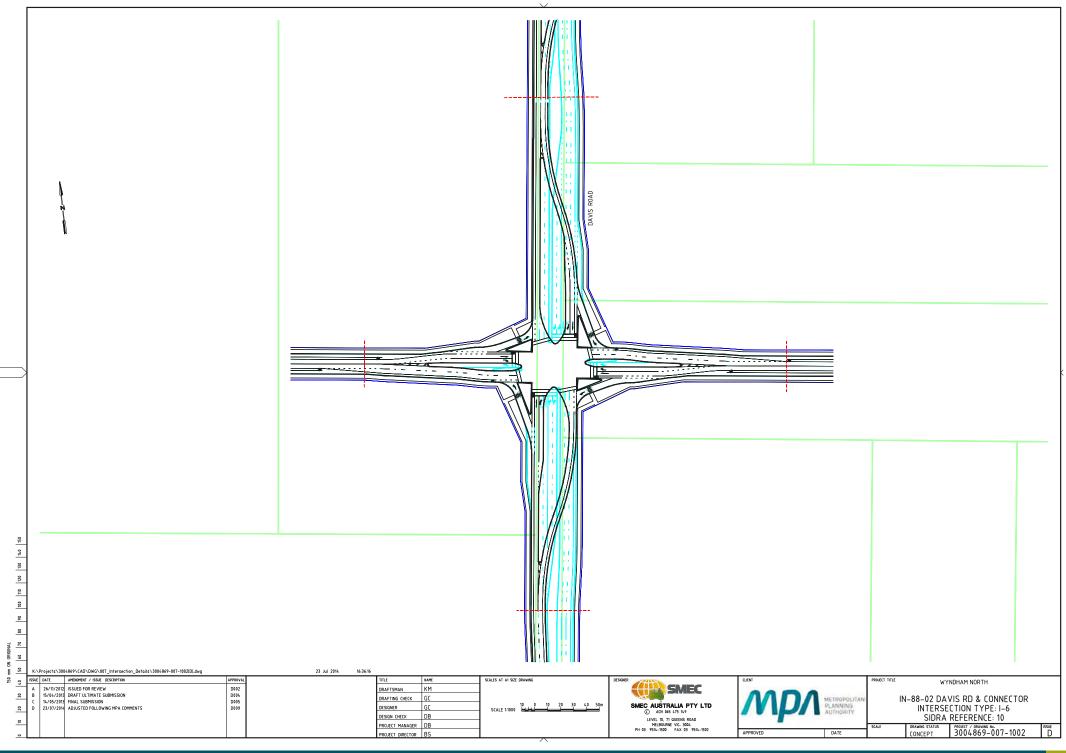
Pedestrian Signals Costing

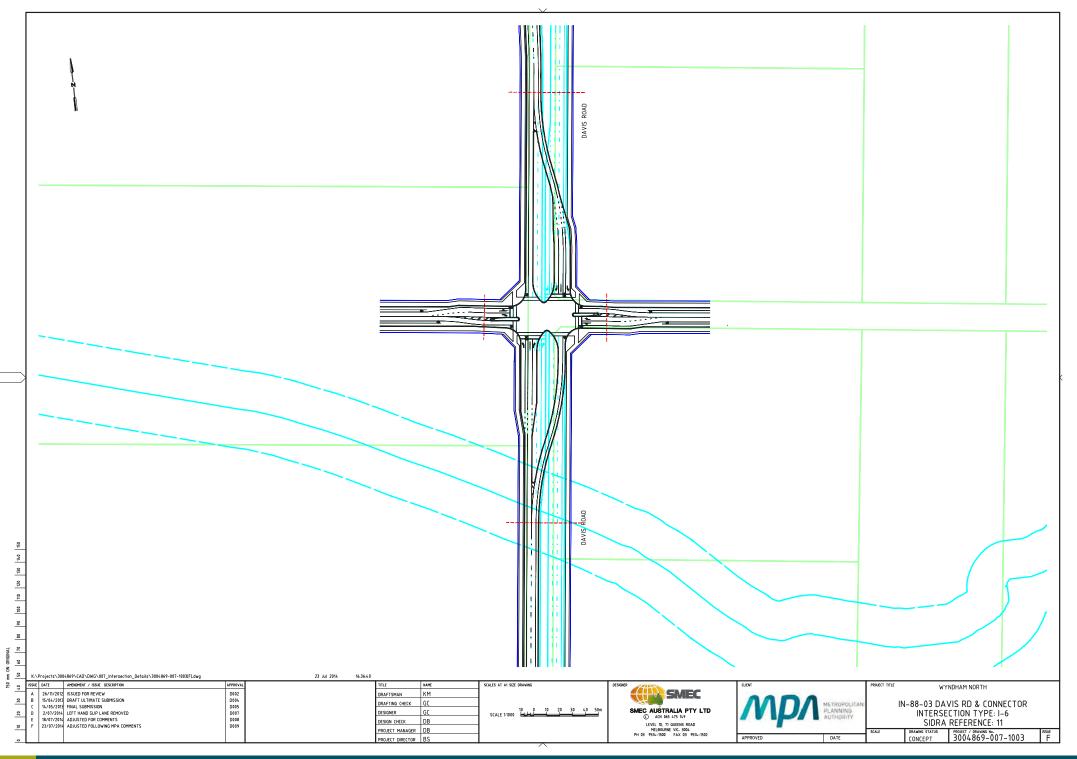
Description	ID	Detail	Unit	Rate	Qty		Amount
	1	New Signal Pedestal - 2B	each	\$ 3,500.00	6	\$	21,000.00
	2	New Signal Pedestal Mastarm or JUP	each	\$ 5,000.00	2	\$	10,000.00
	3	New Pedestal Foundation - 0.7m base	each	\$ 1,500.00	6	\$	9,000.00
	4	New Pedestal Foundation - 3.0m base	each	\$ 4,000.00	2	\$	8,000.00
	5	Lanterns - 3 aspect (LED)	each	\$ 1,100.00	8	\$	8,800.00
	6	Lanterns - Pedestrian (LED)	each	\$ 800.00	4	\$	3,200.00
	7	Audio Tactiles - Variable	each	\$ 1,900.00	4	\$	7,600.00
SIGNAL HARDWARE	8	Conduit Pit (standard)	each	\$ 1,800.00	5	\$	9,000.00
SIGNAL HARDWARE	9	Conduit - Open trench through footpath/paved area, supply & Install 2/100mm Underground Conduit, Backfill & Reinstate	m	\$ 400.00	10	\$	4,000.00
	10	Conduit - Open trench through grassed/unpaved area, supply & Install 2/100mm Underground Conduit, Backfill & Reinstate	m	\$ 350.00	10	\$	3,500.00
	11	Conduit - Bore under road, supply & Install 2/100mm Underground Conduit, Backfill & Reinstate	m	\$ 450.00	14	\$	6,300.00
	12	Conduit - Open trench through footpath/paved area, supply & Install 1/50mm Underground Conduit, Backfill & Reinstate	m	\$ 250.00	20	\$	5,000.00
	13	13 Core Cable	m	\$ 30.00	150	\$	4,500.00
	14	Pillar Mounted Point of Supply	each	\$ 3,400.00	1	\$	3,400.00
	15	Vicroads 10 year Maintenance Fee incl Prom & controller	item	\$ 75,000.00	1	\$	75,000.00
	16	Concrete stand for new traffic controller	each	\$ 3,500.00	1	\$	3,500.00
	17	Brackets - Single	each	\$ 900.00	2	\$	1,800.00
	18	Lamps (globes) - 150W	each	\$ 700.00	2	\$	1,400.00
STREET LIGHTING	19	Cable (supply and install)	m	\$ 30.00	50	\$	1,500.00
	20	Conduit - Open trench through grassed/unpaved area, supply & Install 1/50mm Underground Conduit, Backfill & Reinstate	m	\$ 200.00	20	\$	4,000.00
	21	Electrical Pit (standard)	each	\$ 1,800.00	3	\$	5,400.00
	22	Concrete Footpath	sq m	\$ 48.00	30	\$	1,440.00
	23	Construct Kerb Ramp & Install TGSI	each	\$ 1,700.00	4	\$	6,800.00
	24	Supply and Install stick down TGSI	m²	\$ 350.00	5	\$	1,750.00
an at the pice	25	Pedestrian Lines 150mm wide	m	\$ 15.00	28	\$	420.00
CIVIL WORKS	26	Stop Bars 600mm wide	m	\$ 65.00	14	\$	910.00
	27	Removal of linemarking - with grit blasting	m²	\$ 60.00	4	\$	240.00
	28	Pavement Overlay	m²	\$ 30.00	420	\$	-
	29	Traffic Management	item	\$ 20,000.00	1	\$	20,000.00
			•		Sub Total	\$	227,460.00
	30	Vicroads/Council Fees 8% for cost of works	item	3.25%		\$	7,392.45
PROFESSIONAL FEES &	31	Professional Design Fees	item	2.00%		\$	5,000.00
CONTINGENCY	32	Contingency	item	10.00%		Ś	22,746.00
		,			TOTAL	\$	262,598.45
	REF						
Assumptions/Comments		Controller is located aproximately 10m from the POS					
		Supply Point is located aproximately 20m from Controller/signals. No information is available with respect to underground or above round	nower a	availability			
		Street lighting will be connected to existing along the road via under ground conduit network. It is understood that existing is power is over					
	28	Pavement overlay may be required depending on the condition of the road surface. Quantity has been calculated but no cost has been allo		this estimate			
ĺ		Allowance for linemarking removal using grit blasting	cated to	cs Cstillate			
l	29	Traffic Management allowance made on the assumption that the road is operating as an existing 4 lane divided carrigeway					
	23	Traine management another made on the assumption that the road is operating as an existing 4 table divided carriedway					

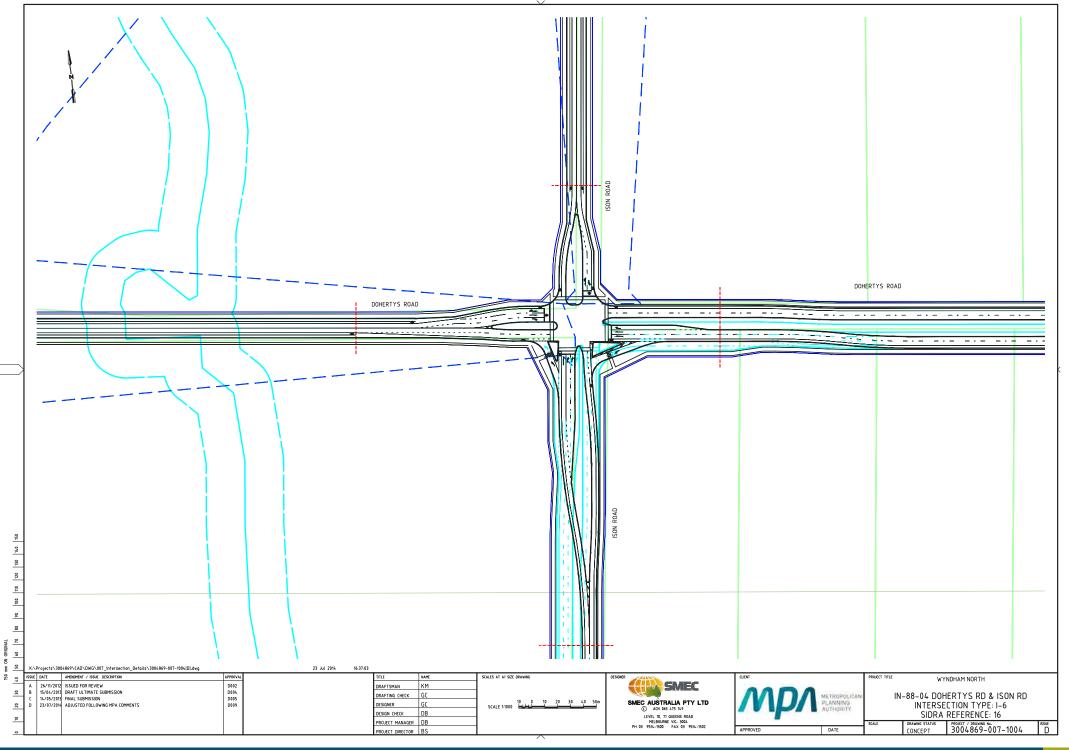


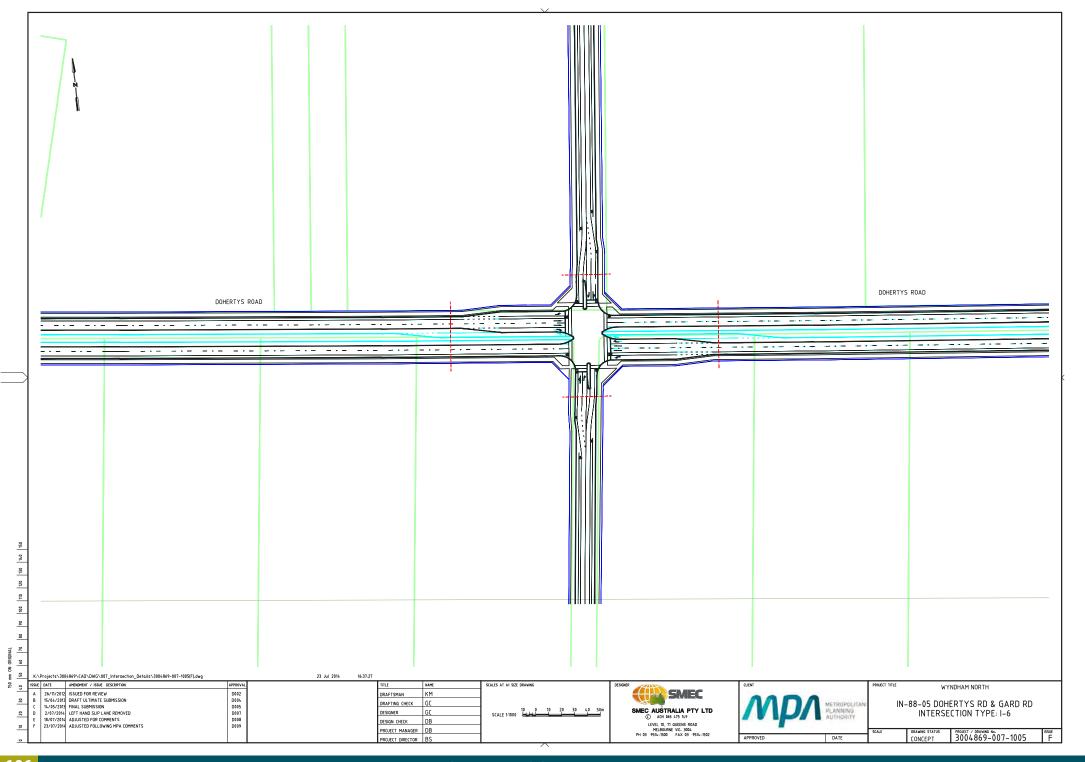
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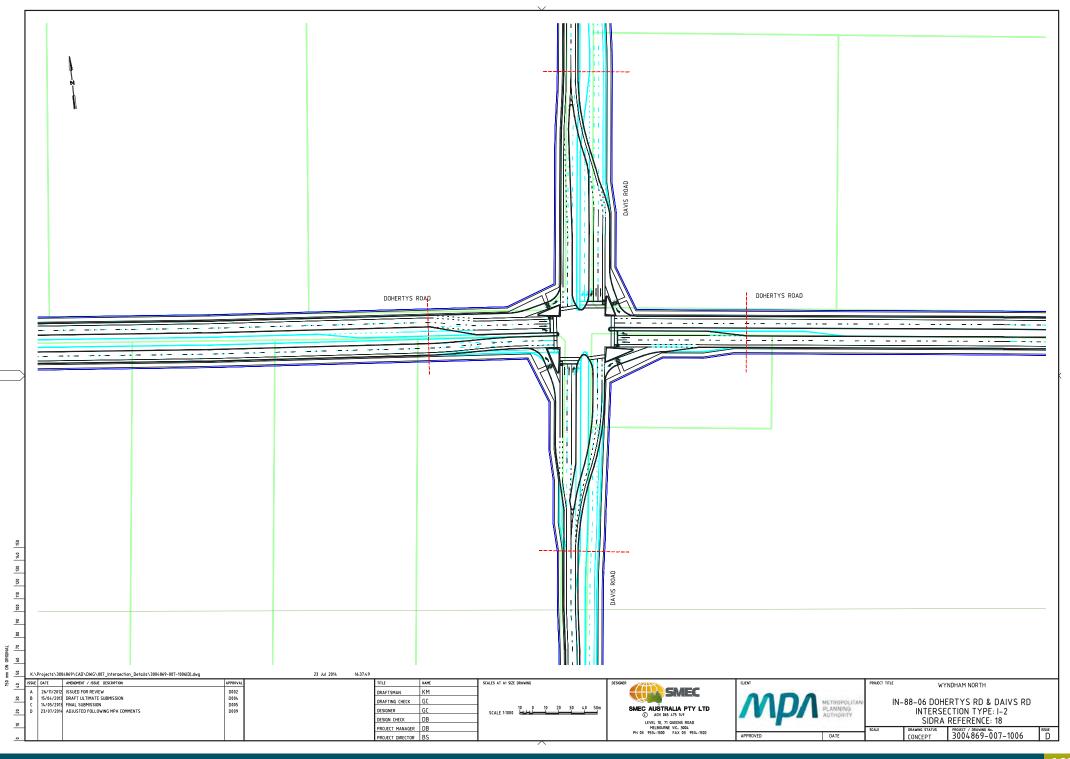


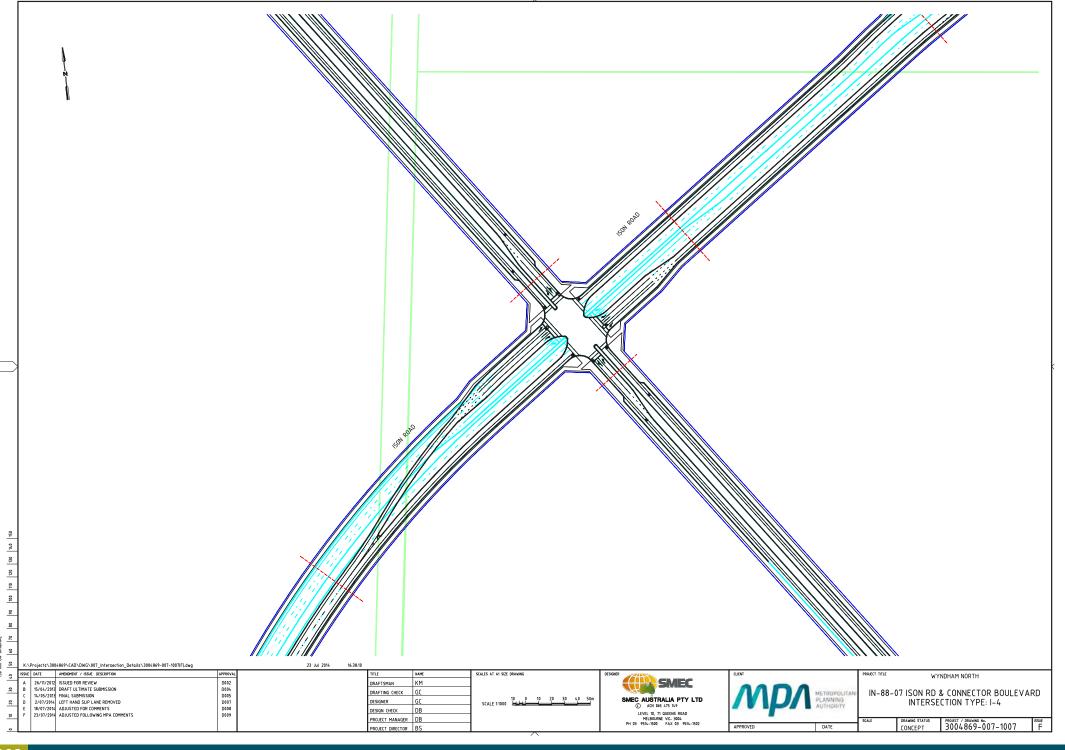


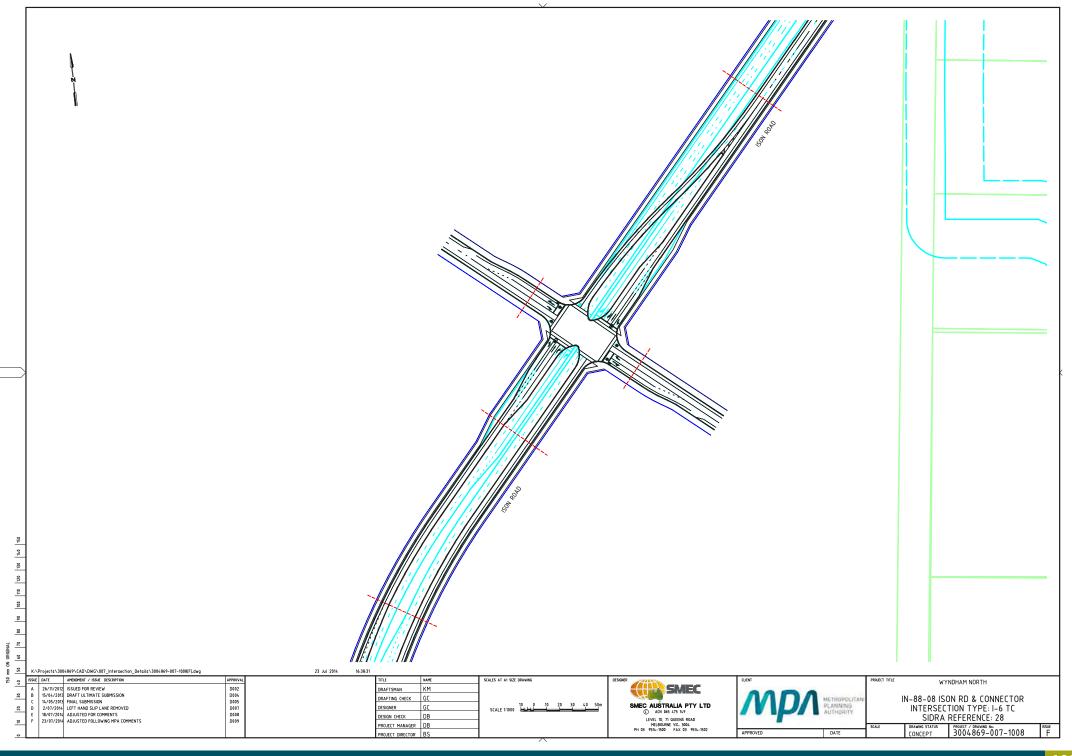


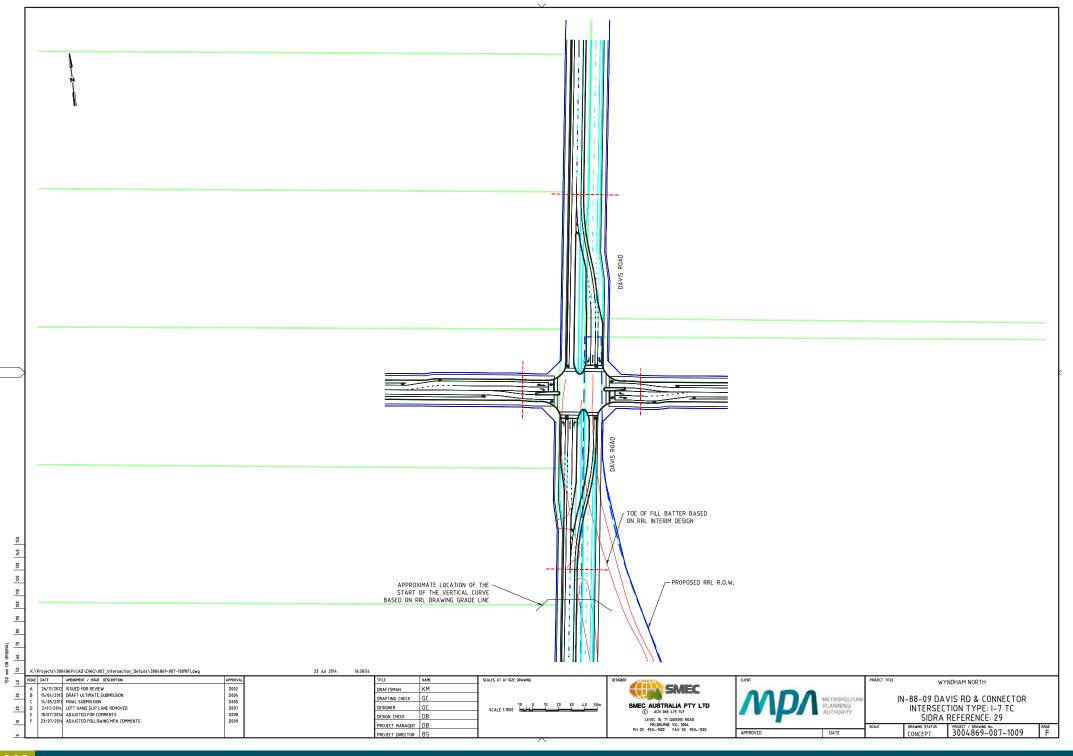


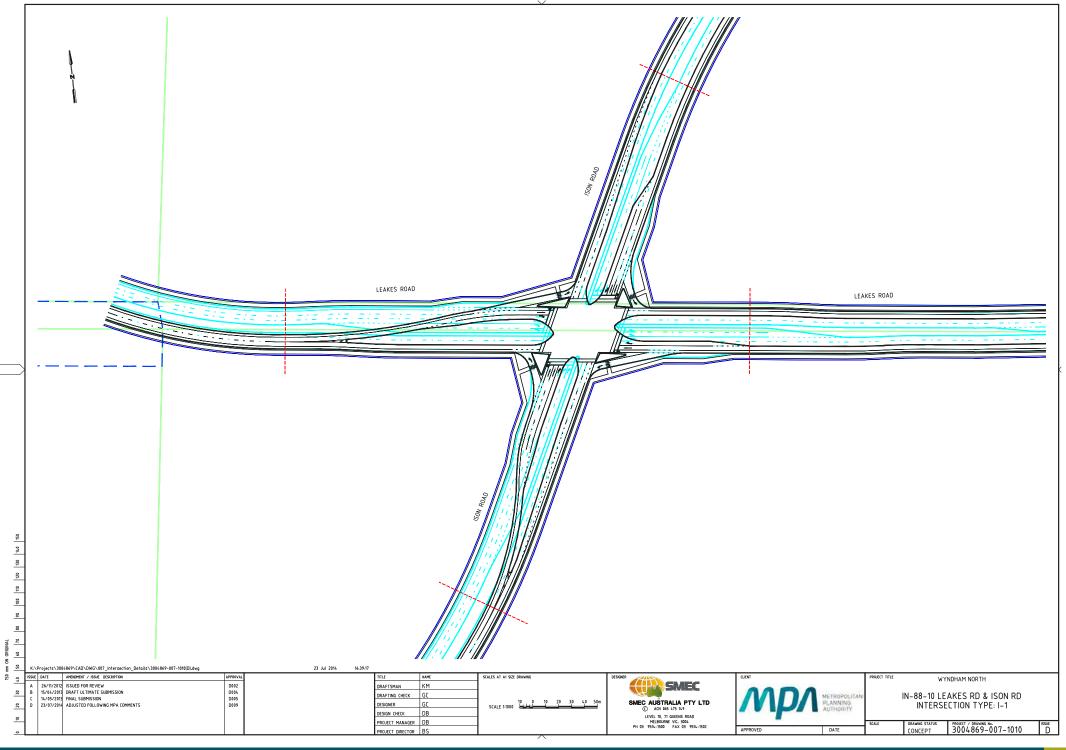


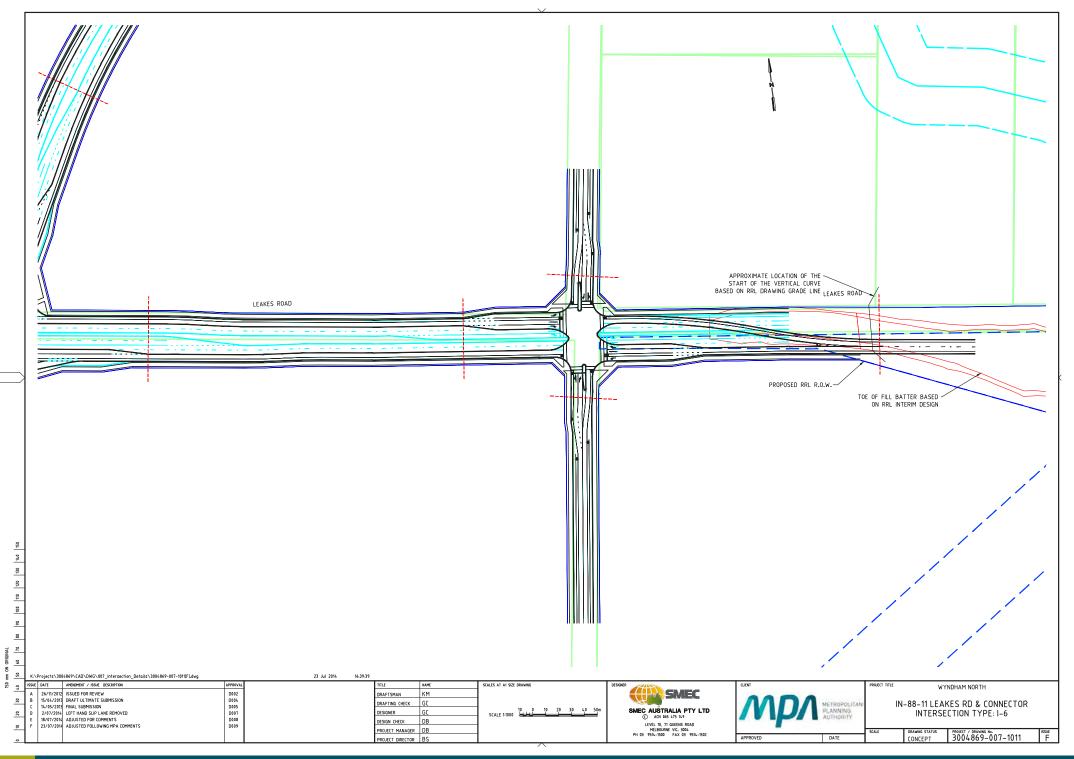


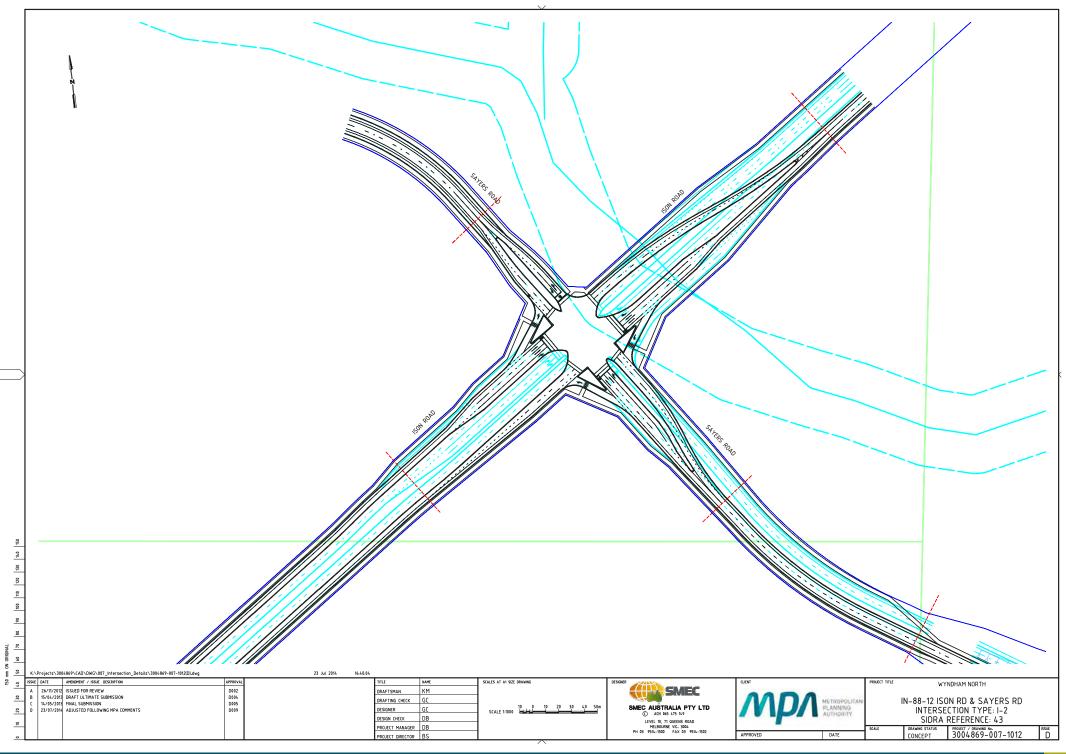


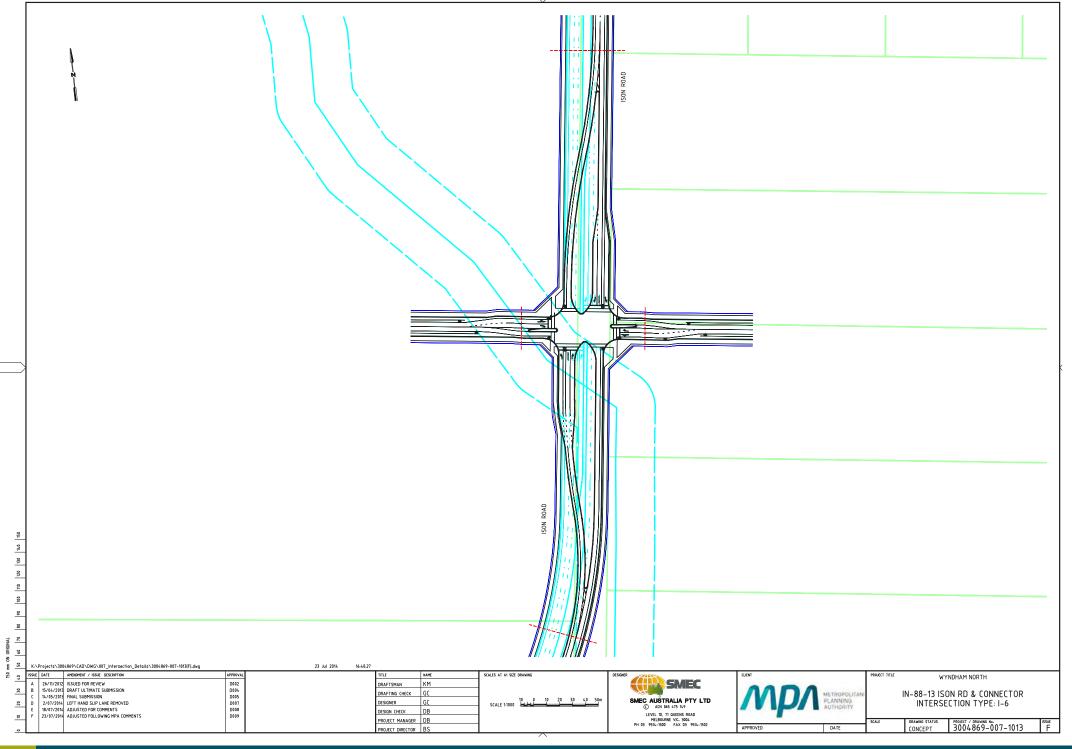


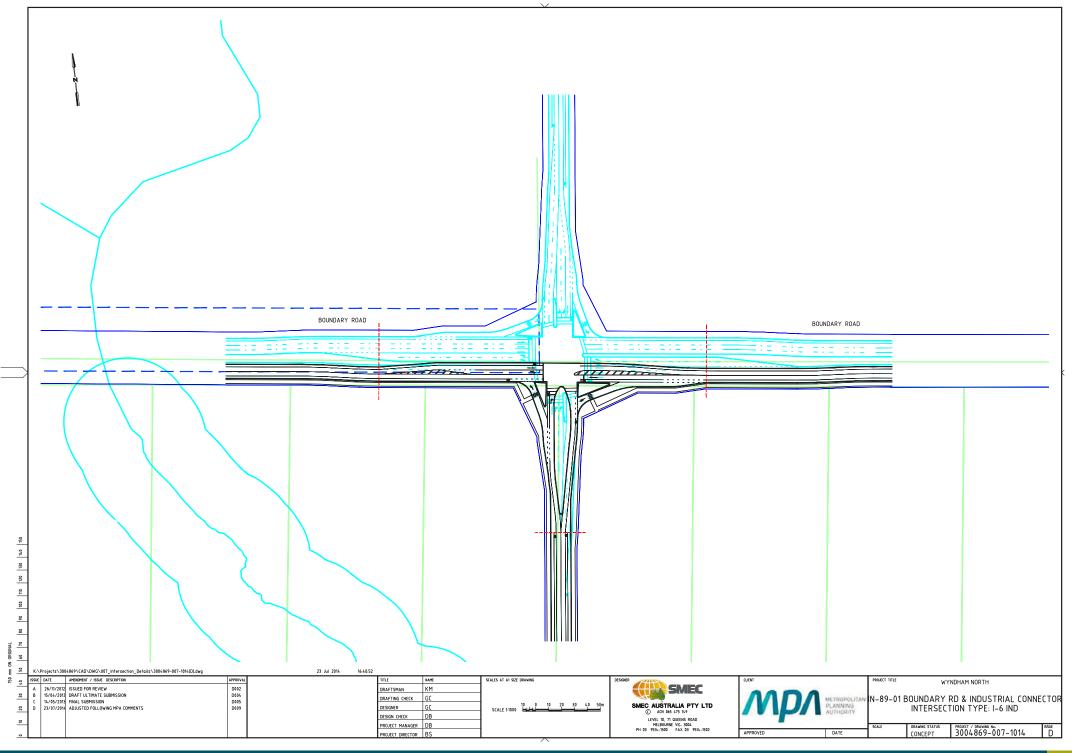


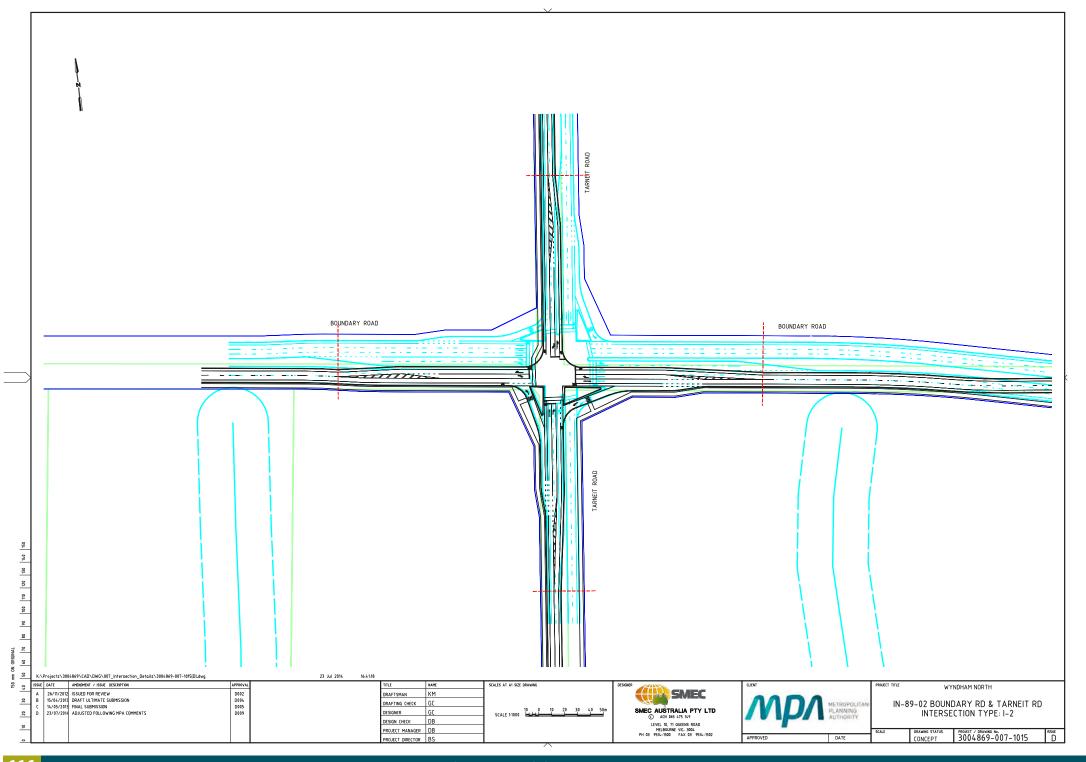


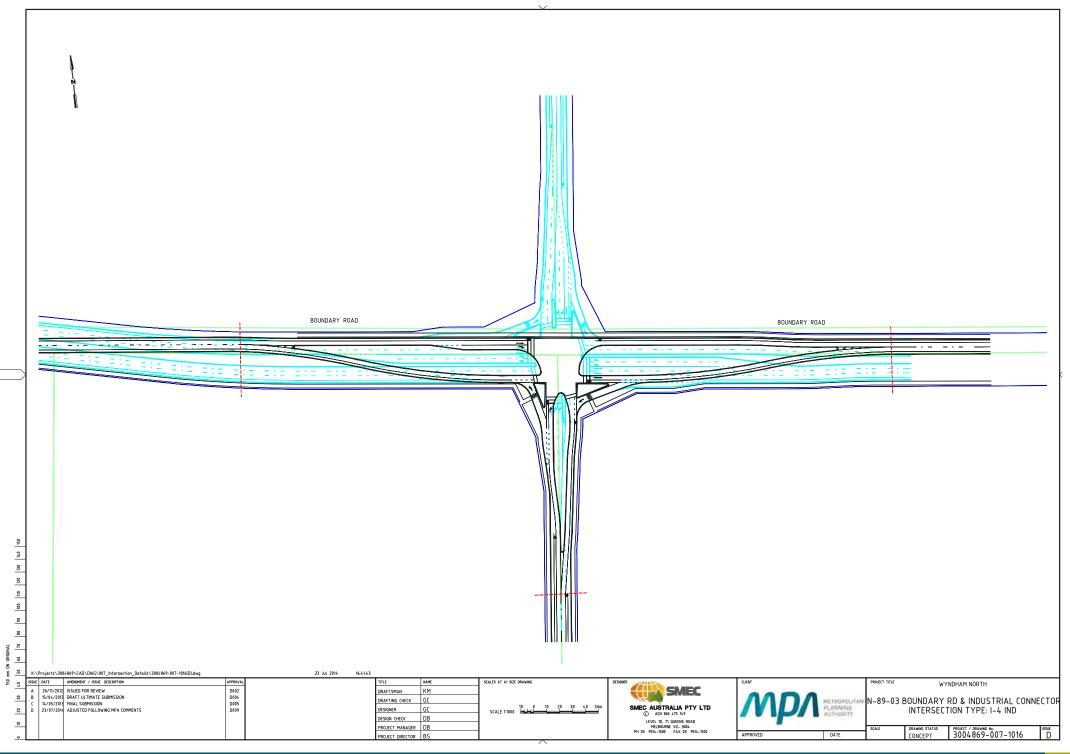


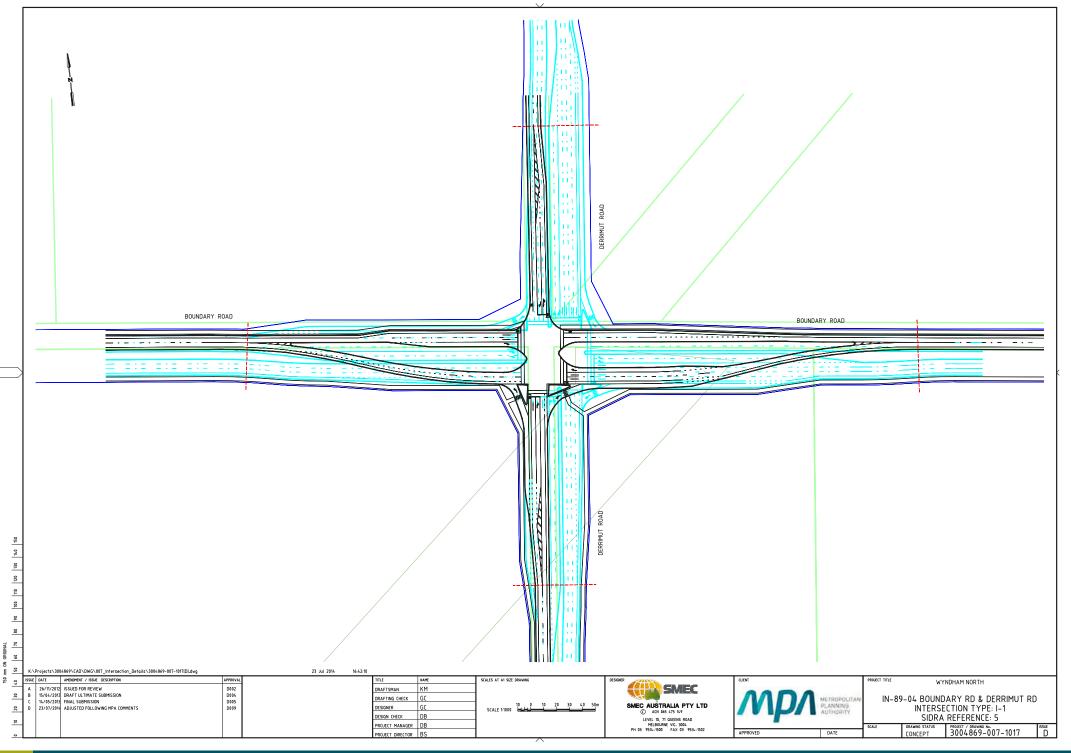


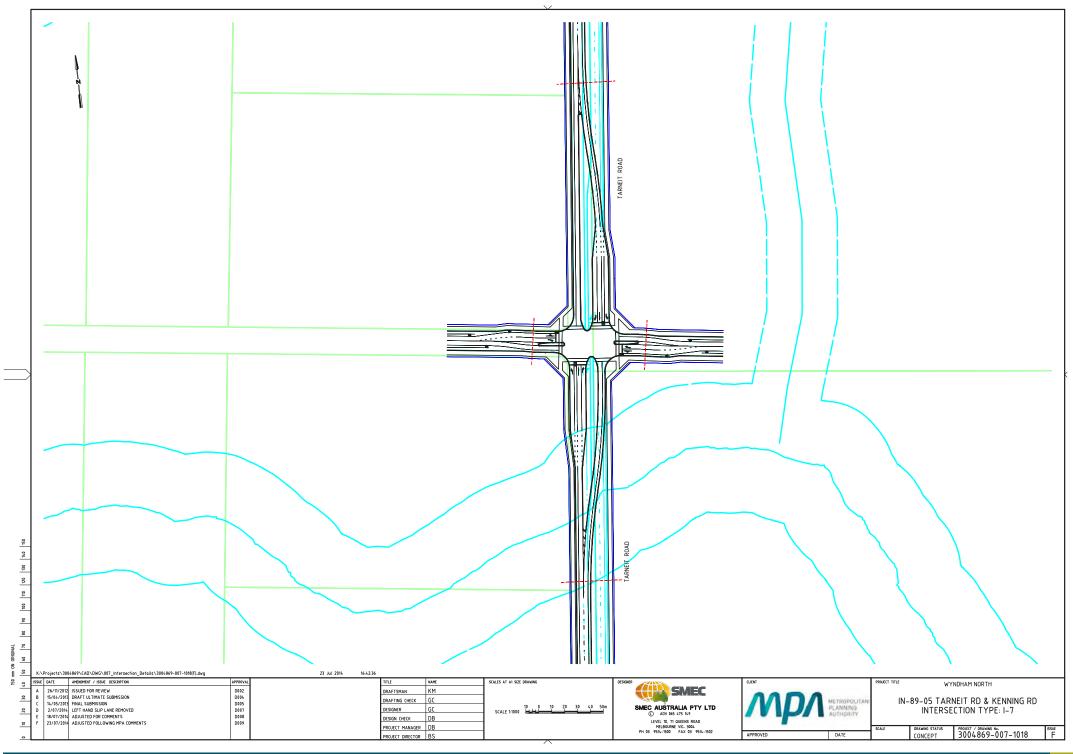


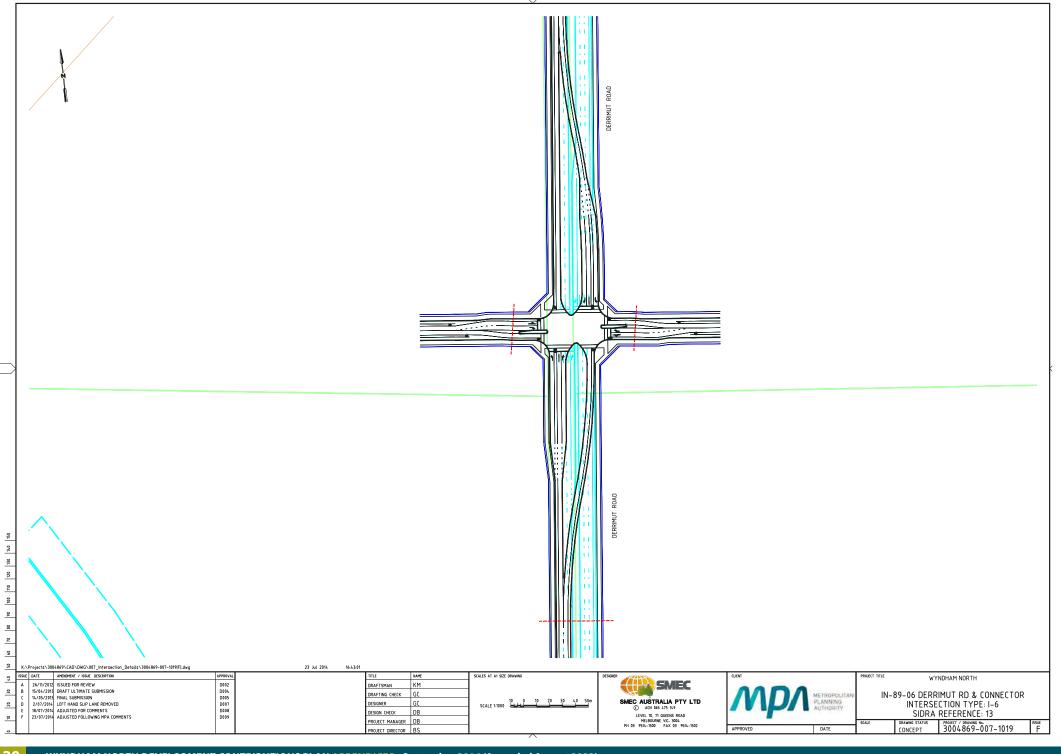


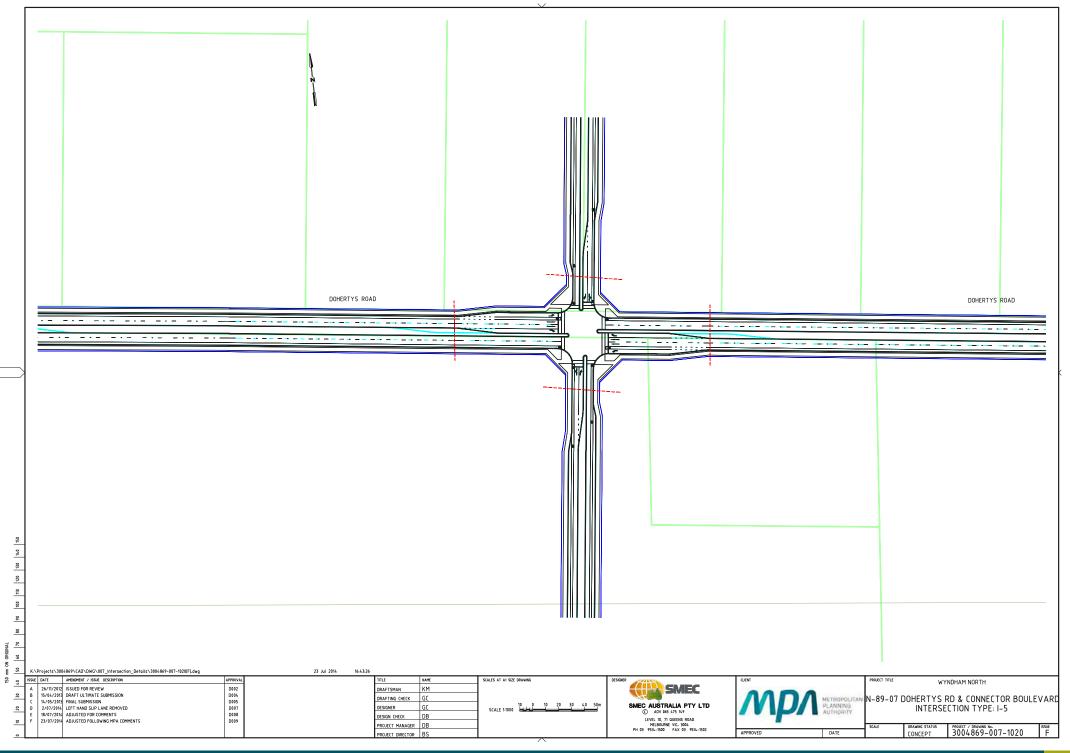


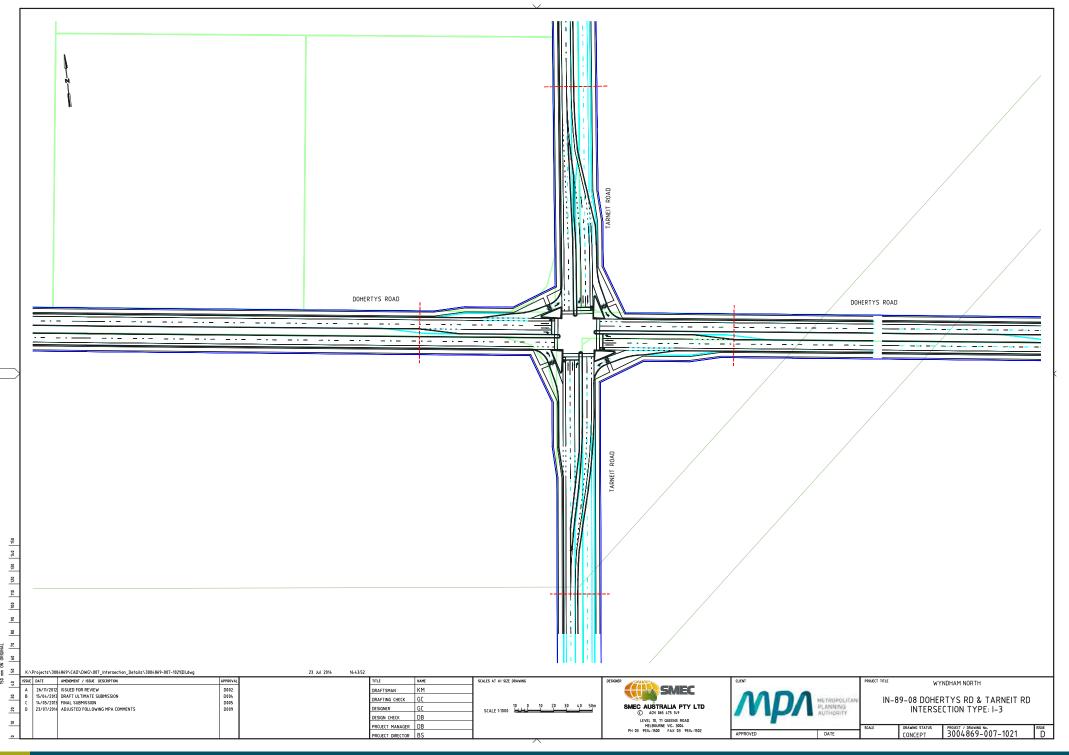


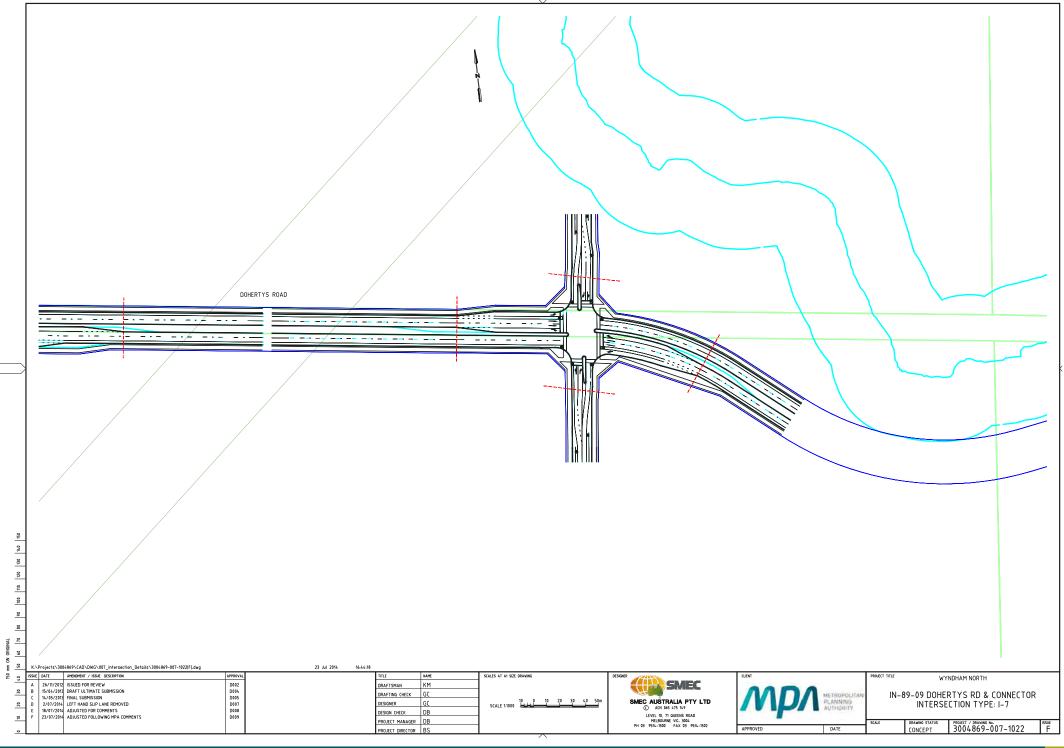


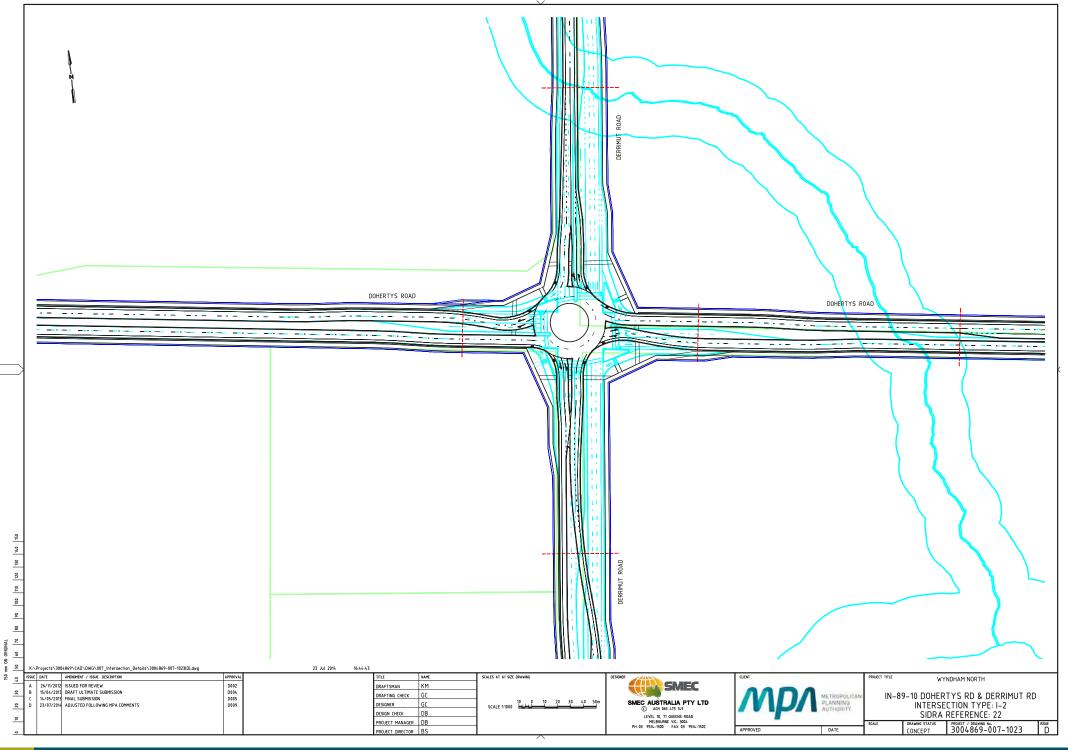


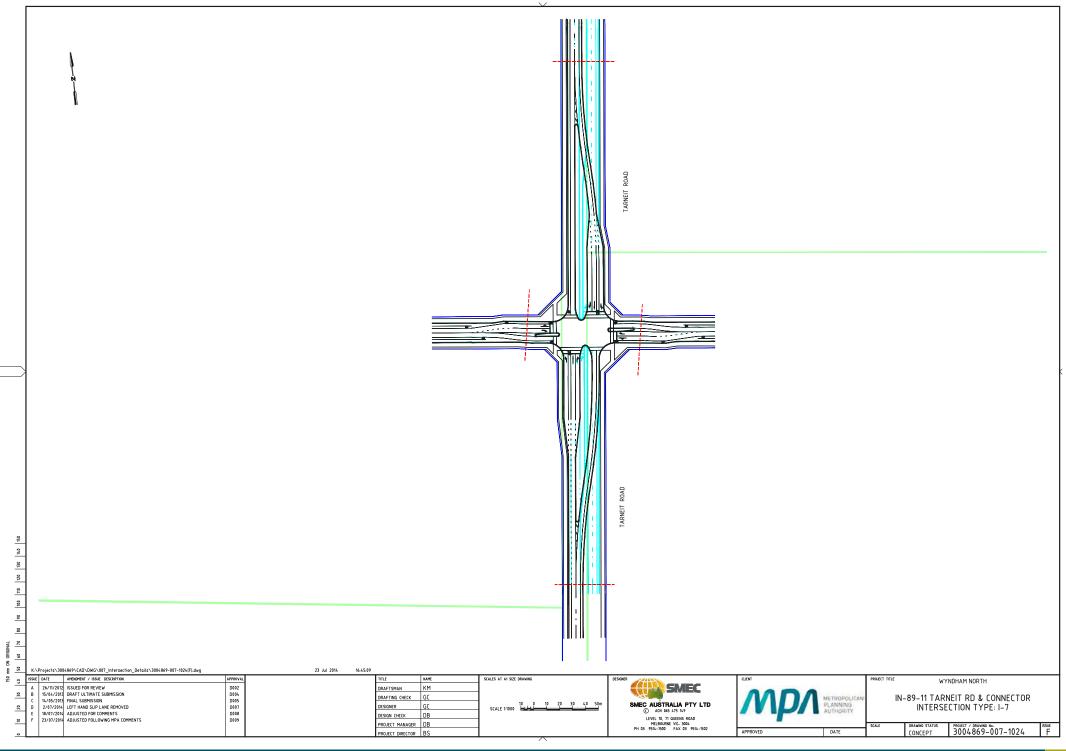


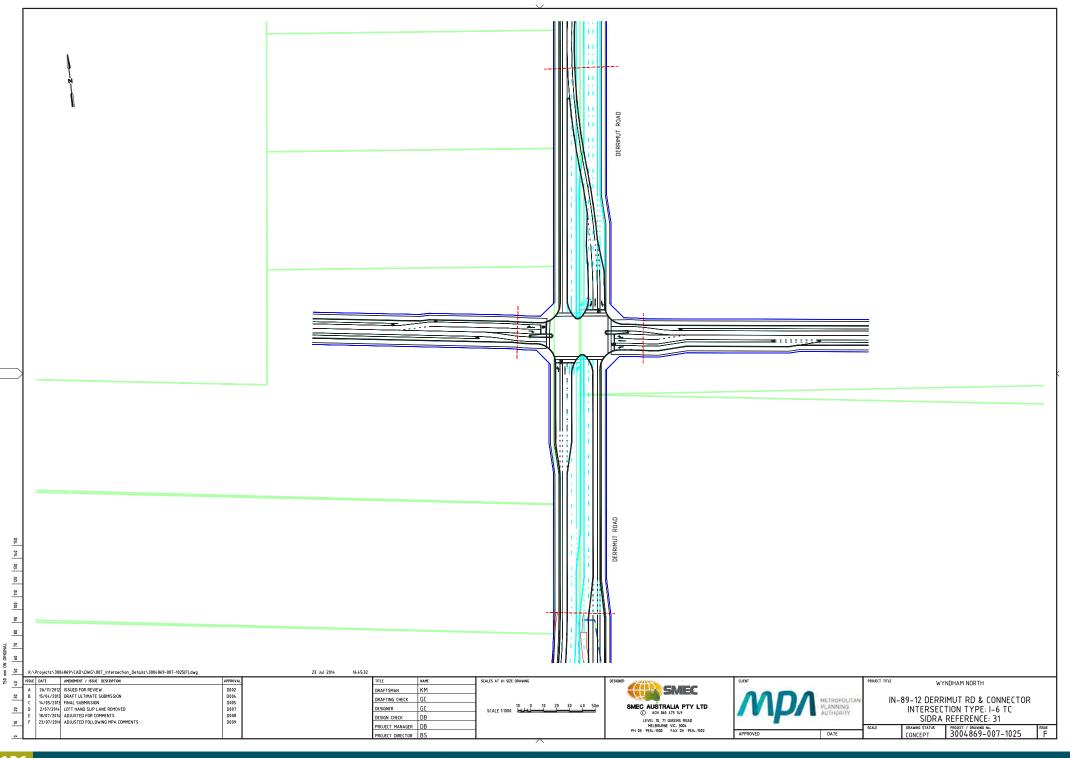


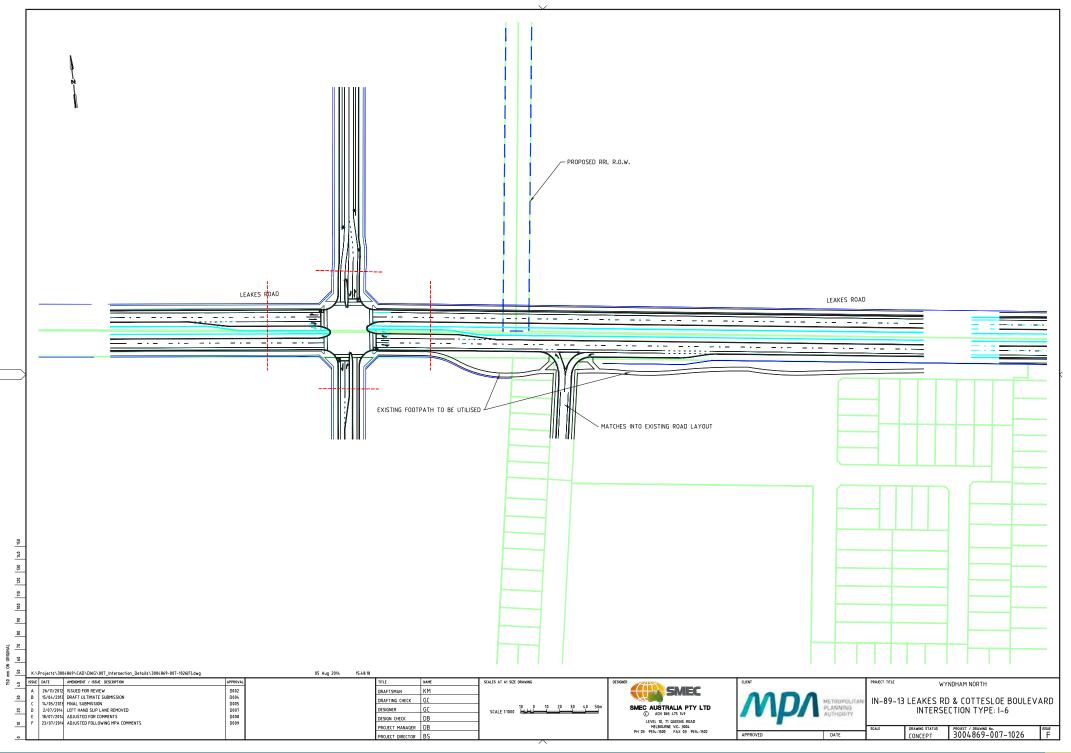


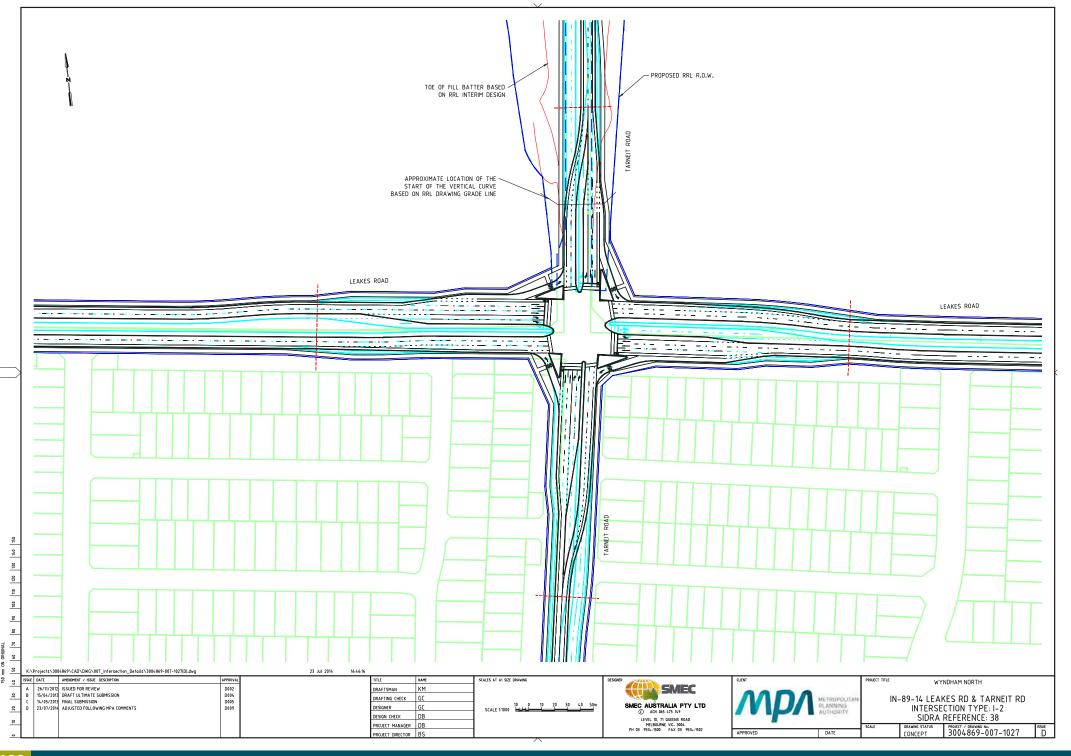


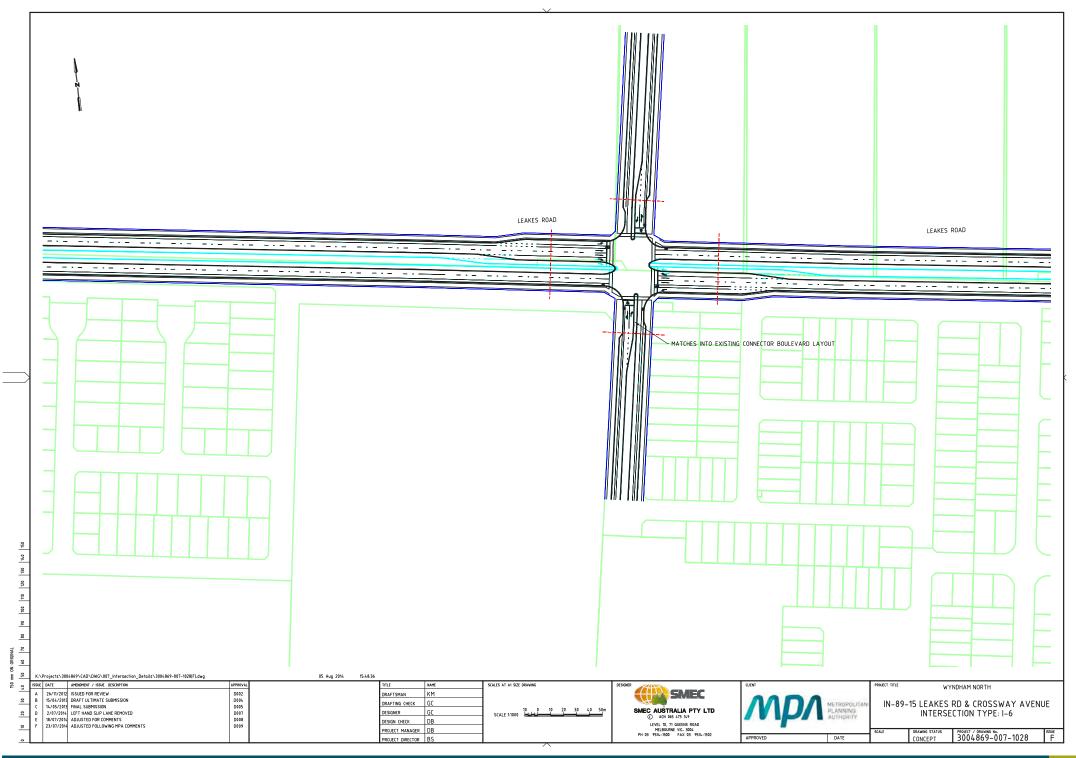


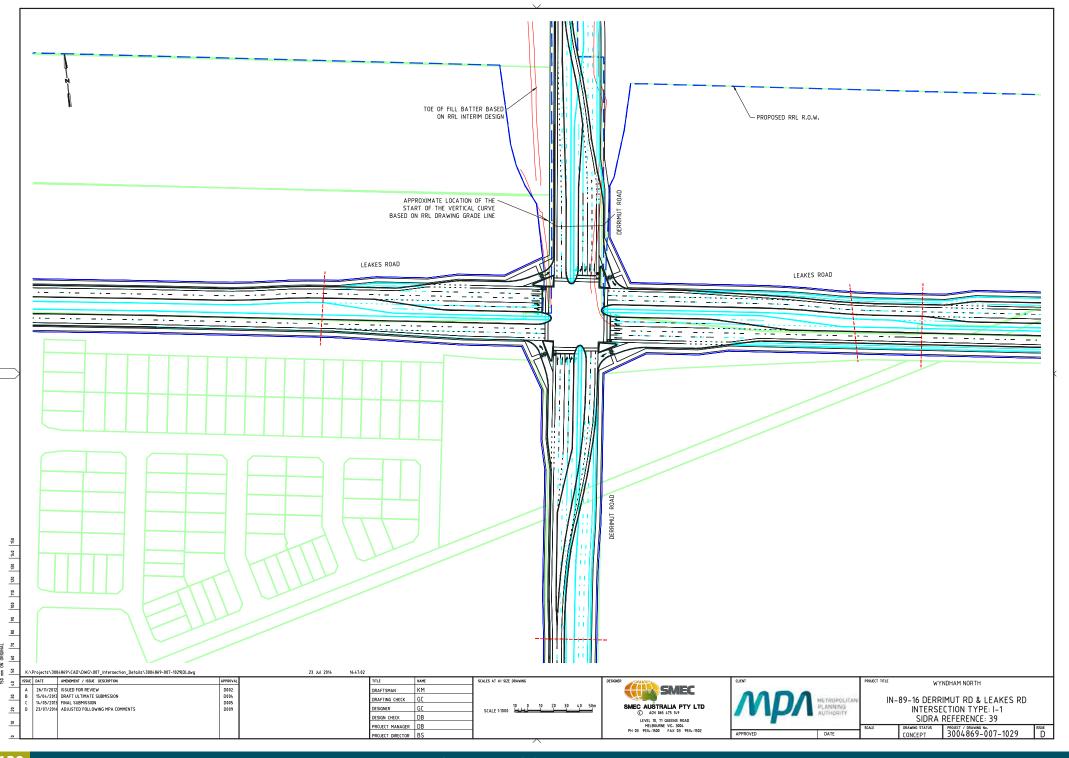


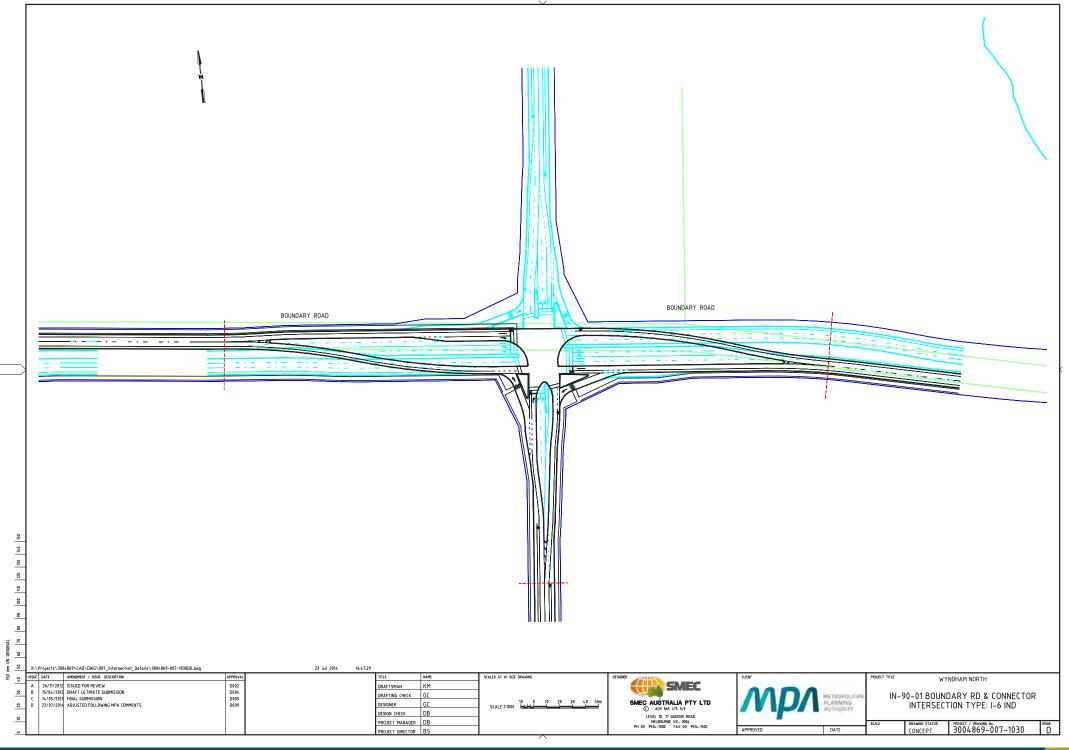


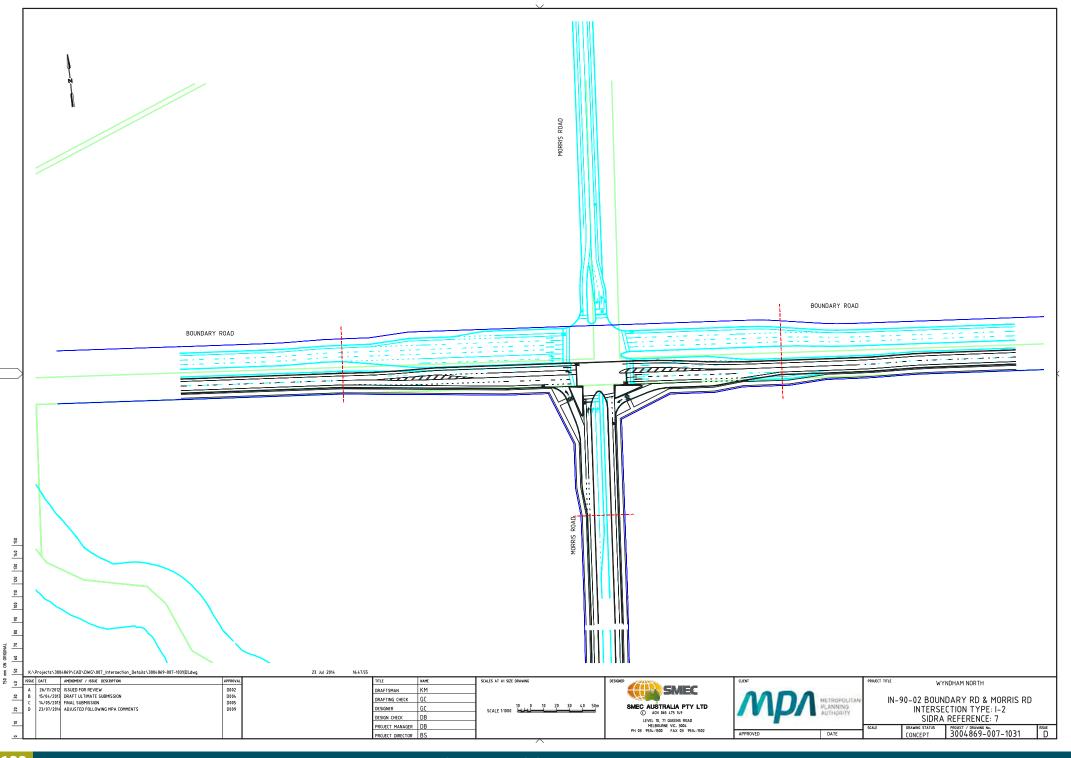


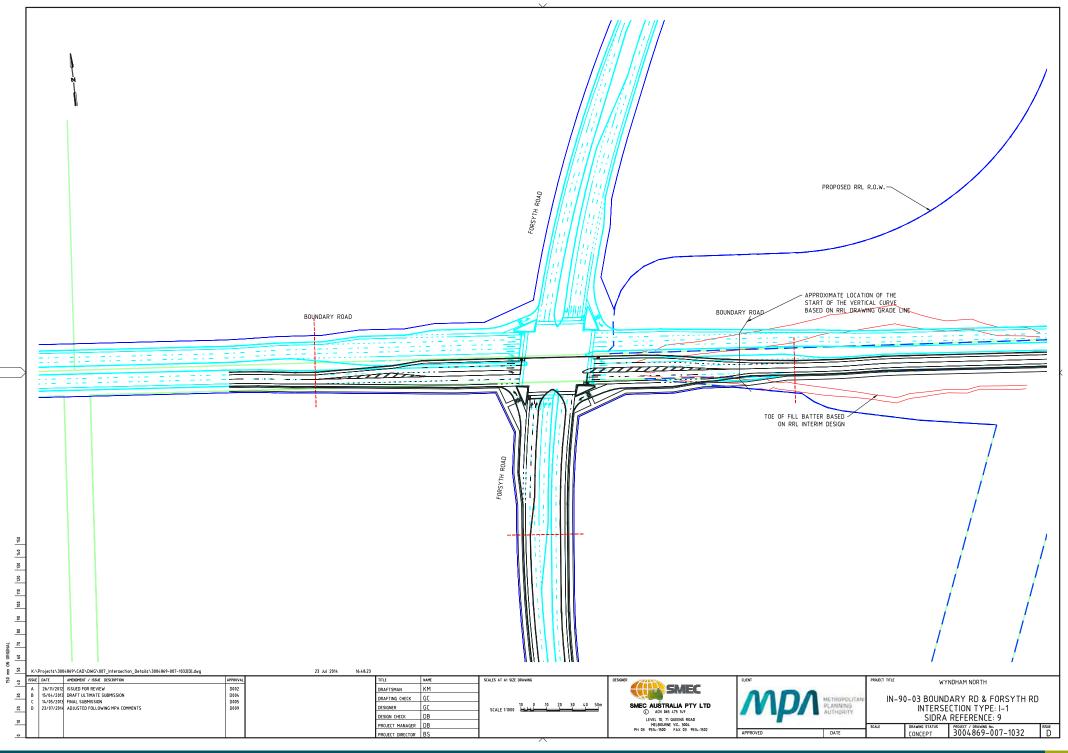


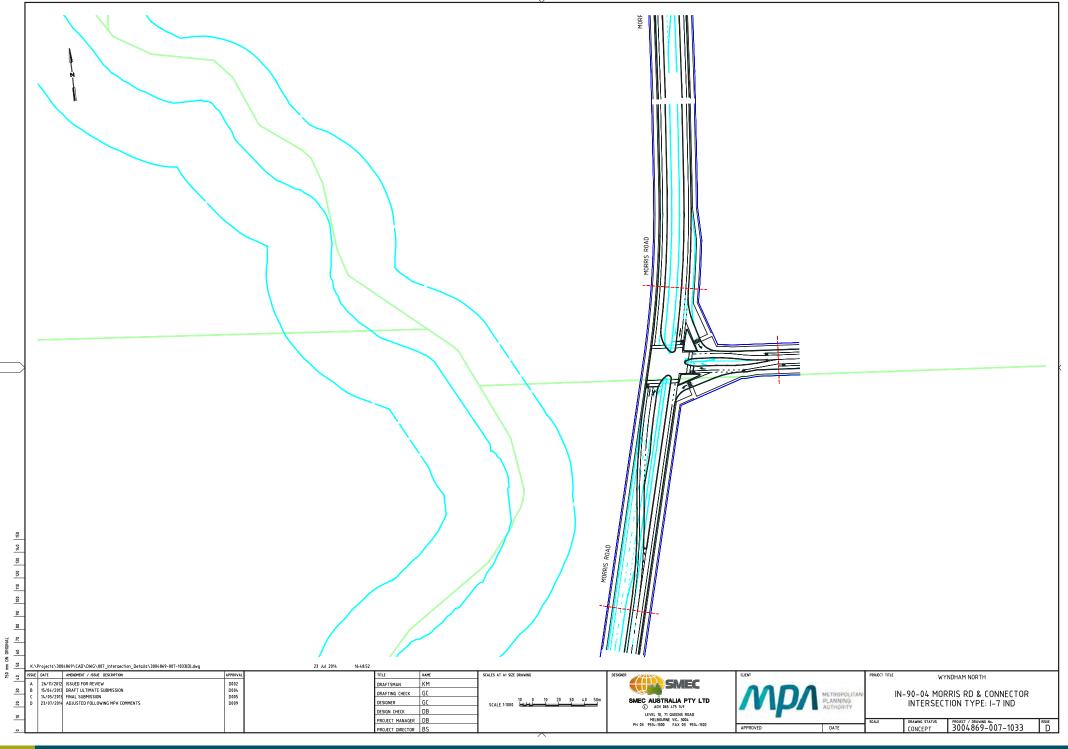


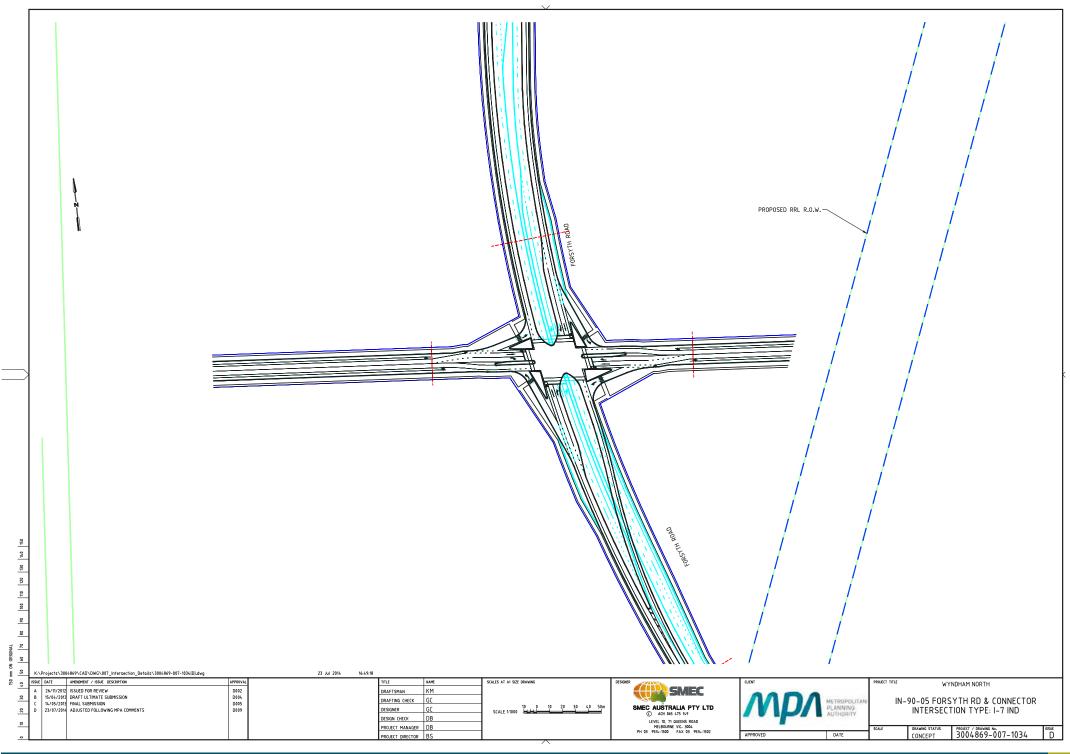


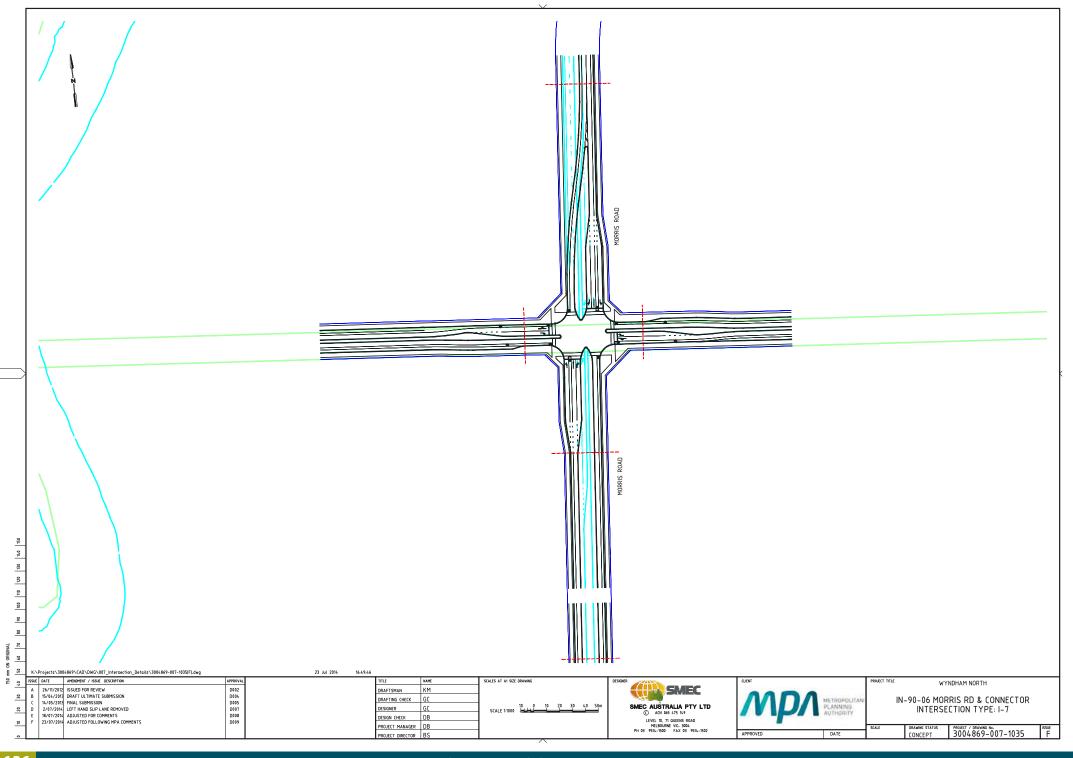


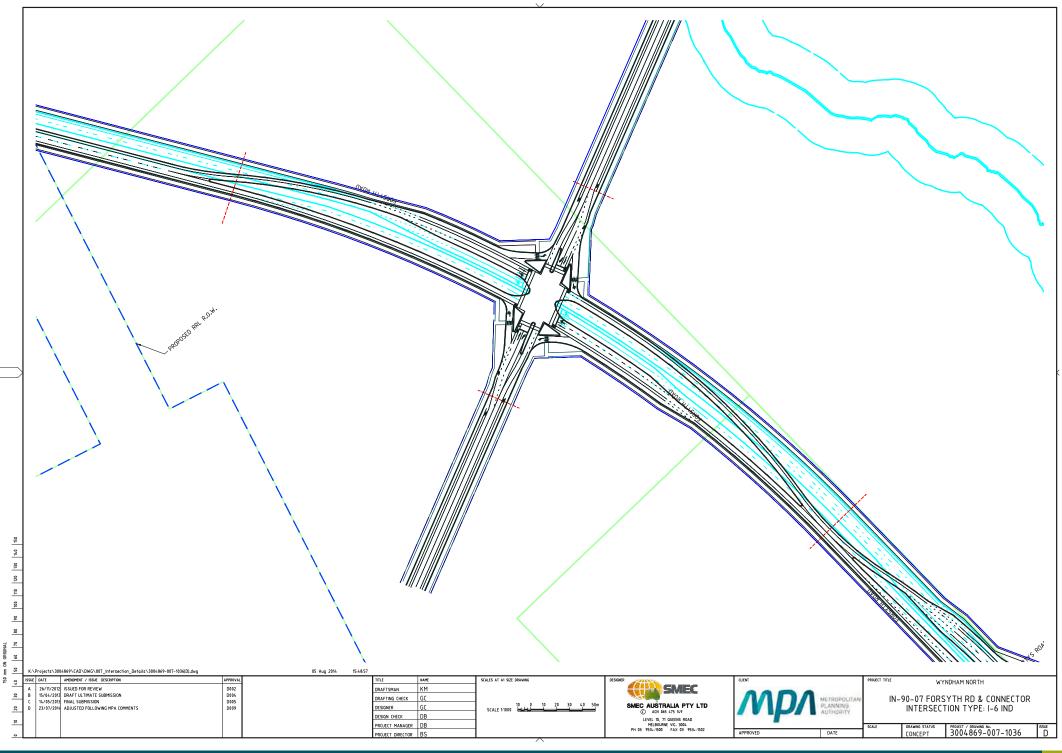


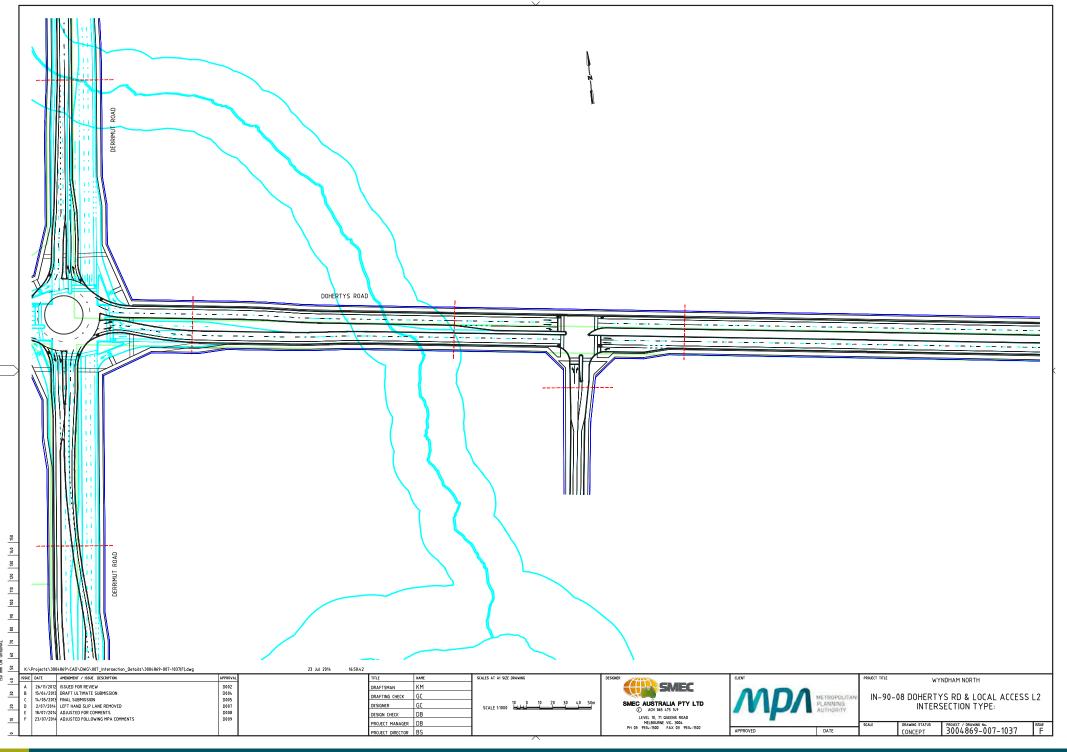


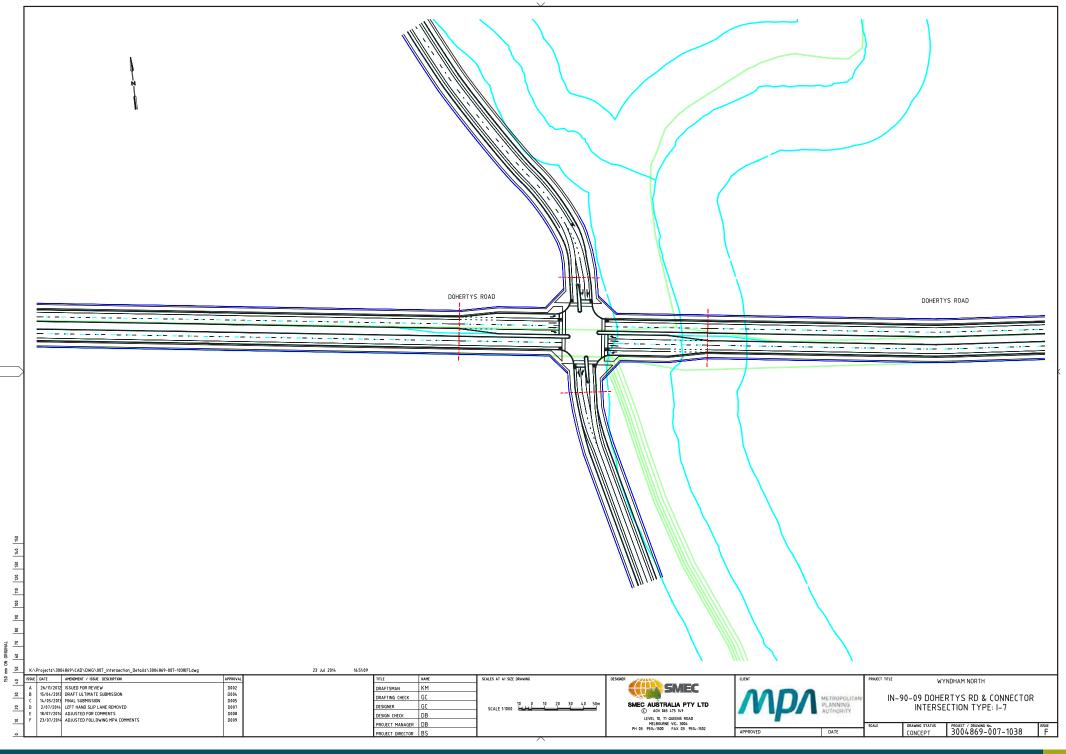


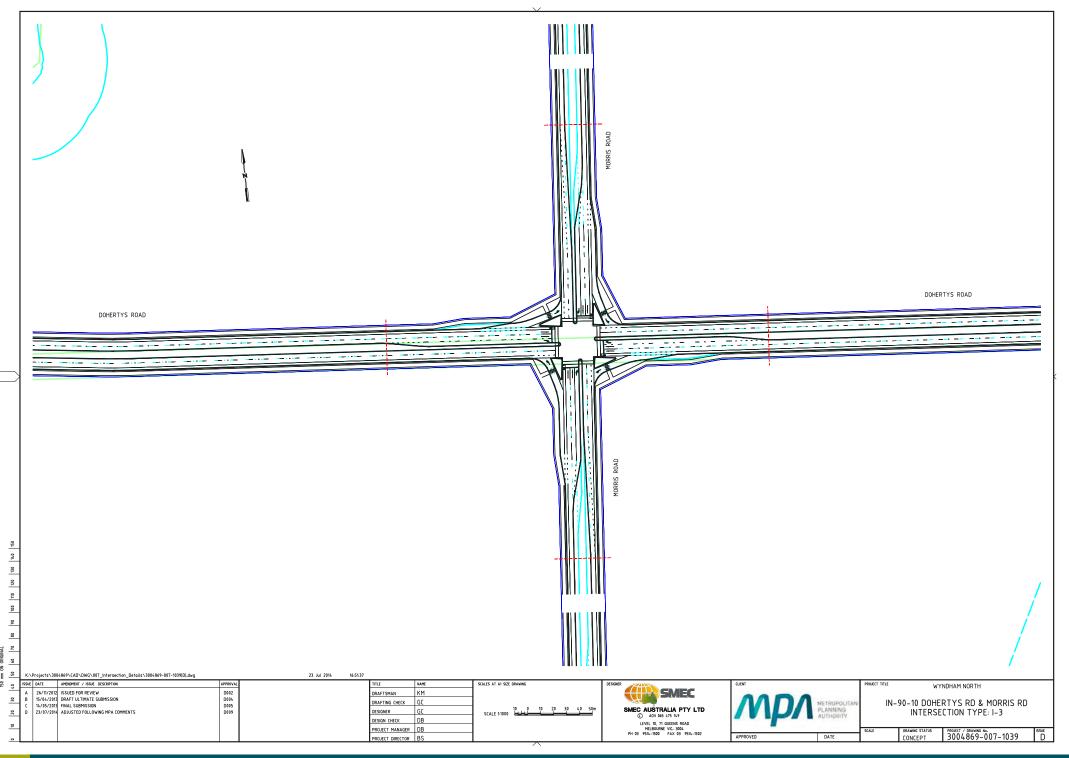


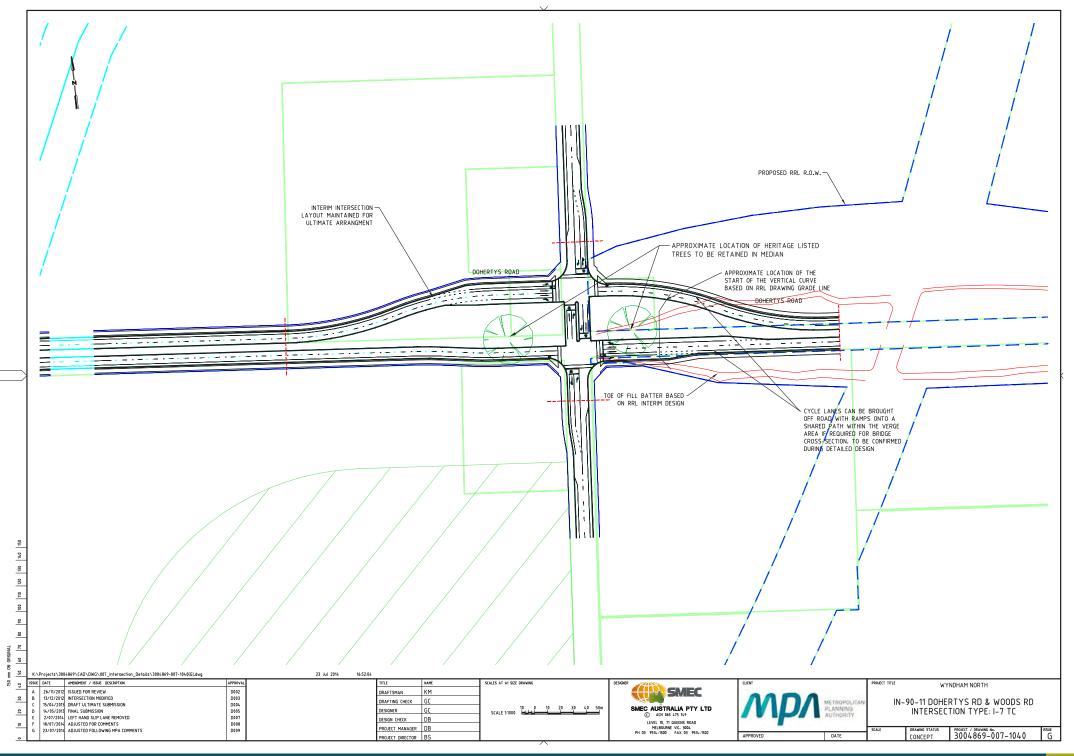


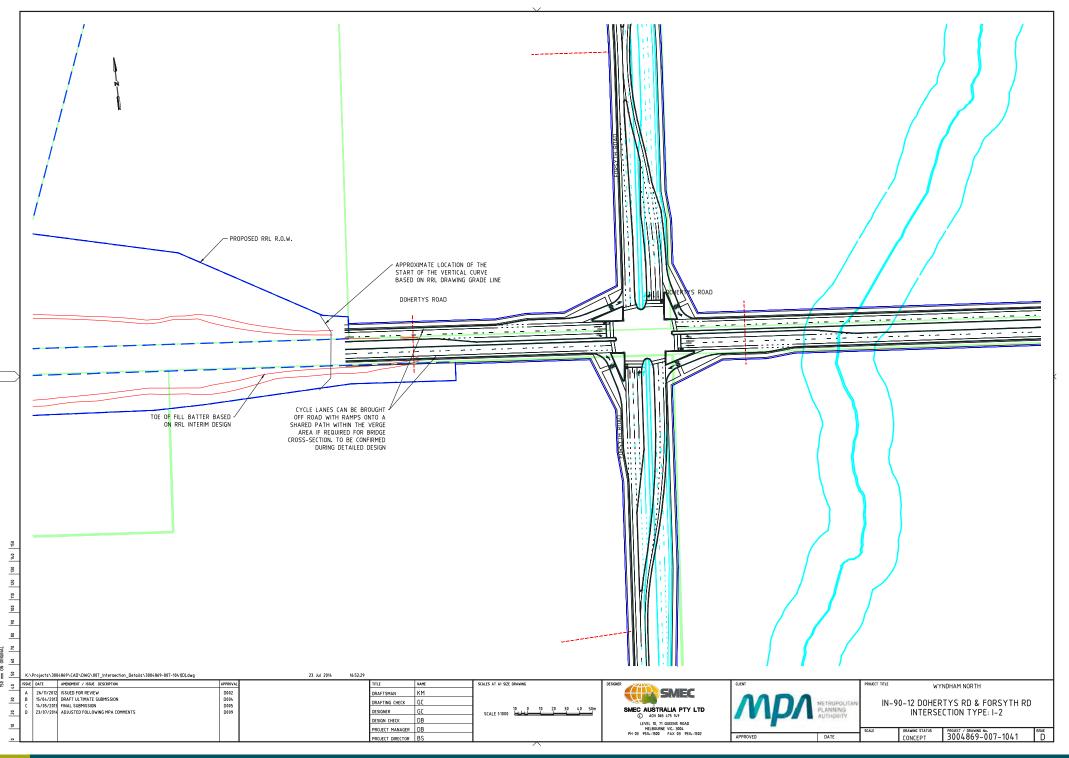


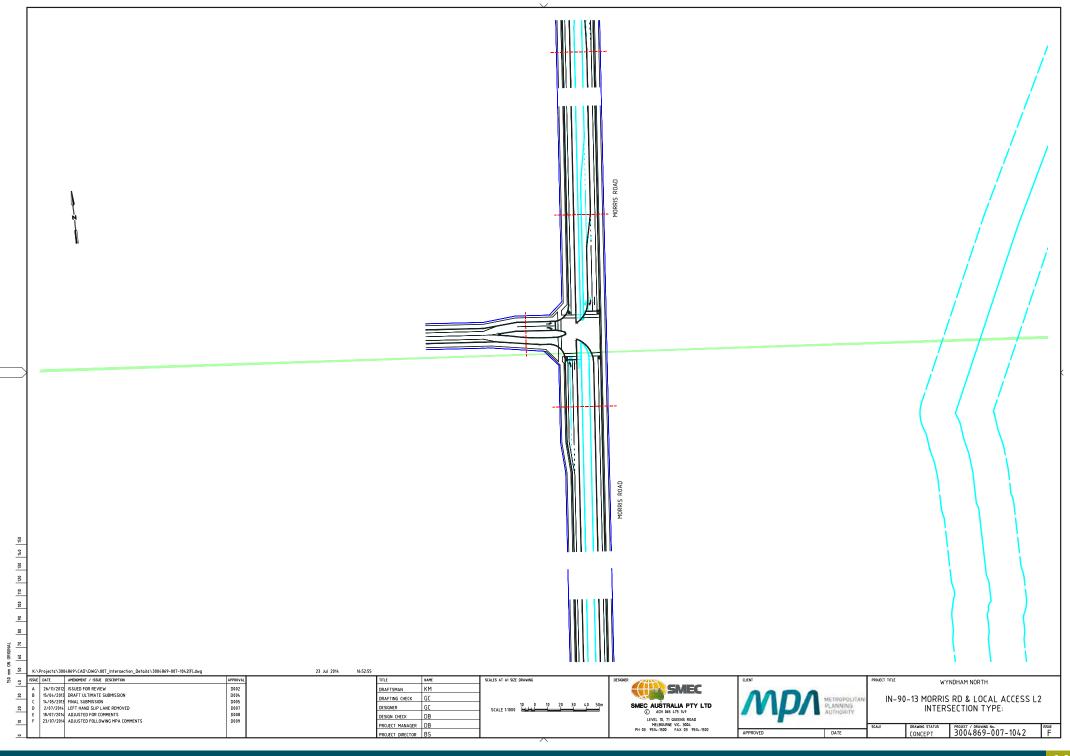


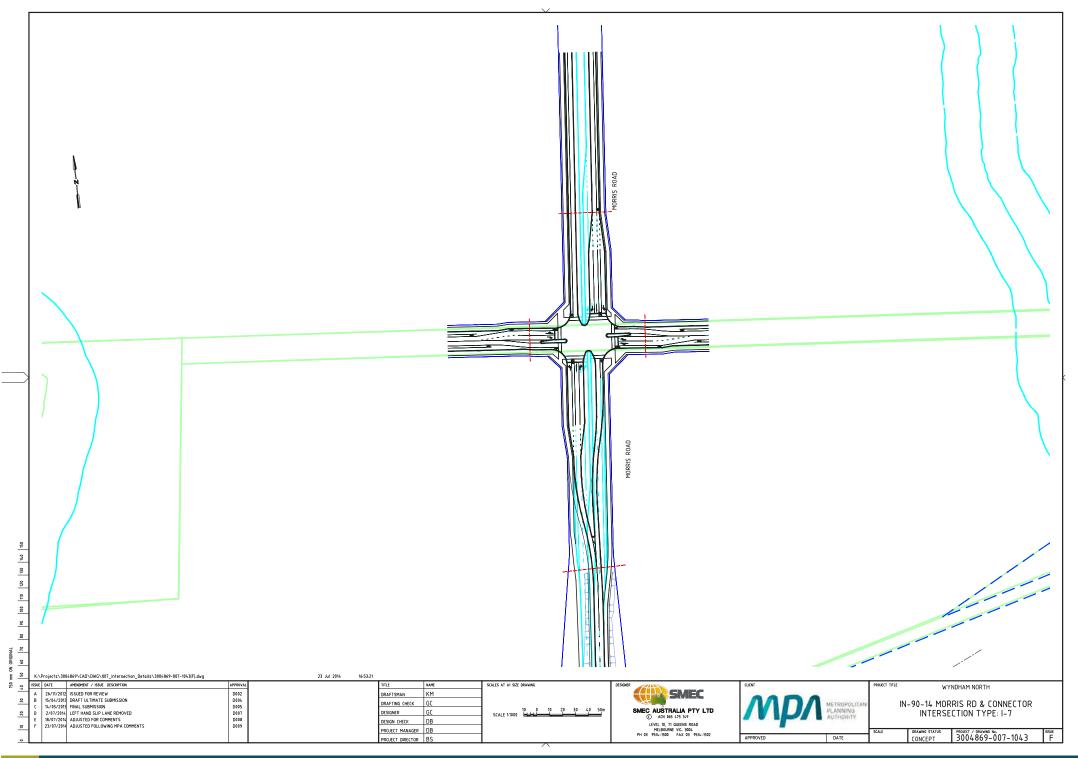


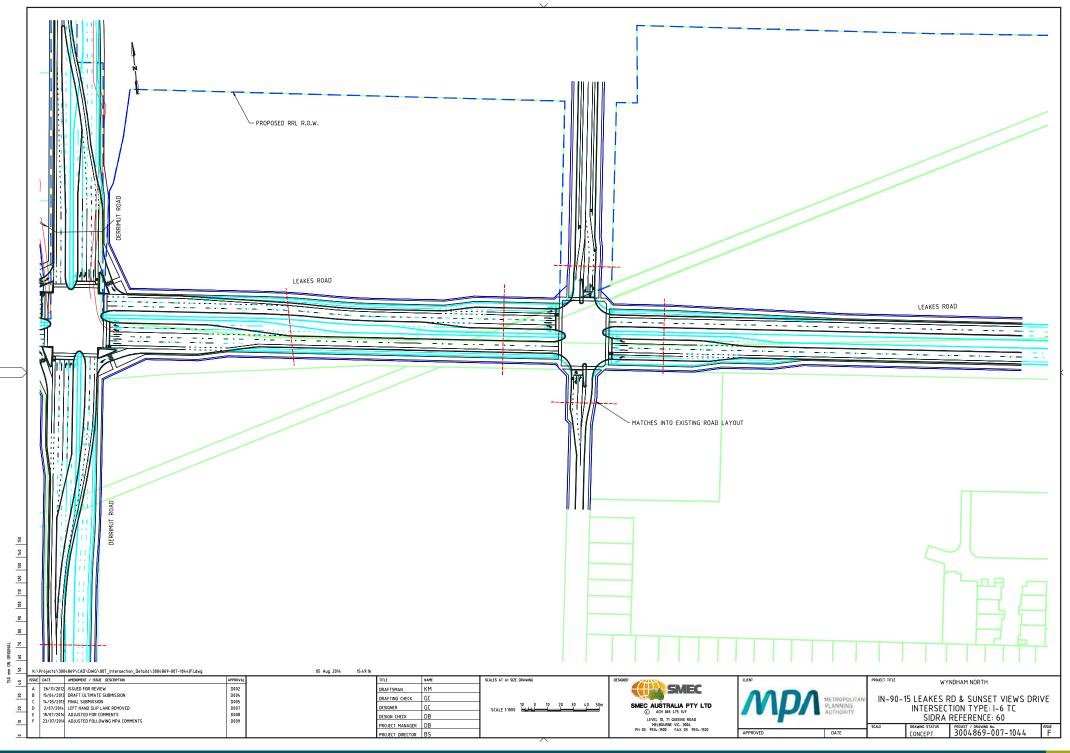


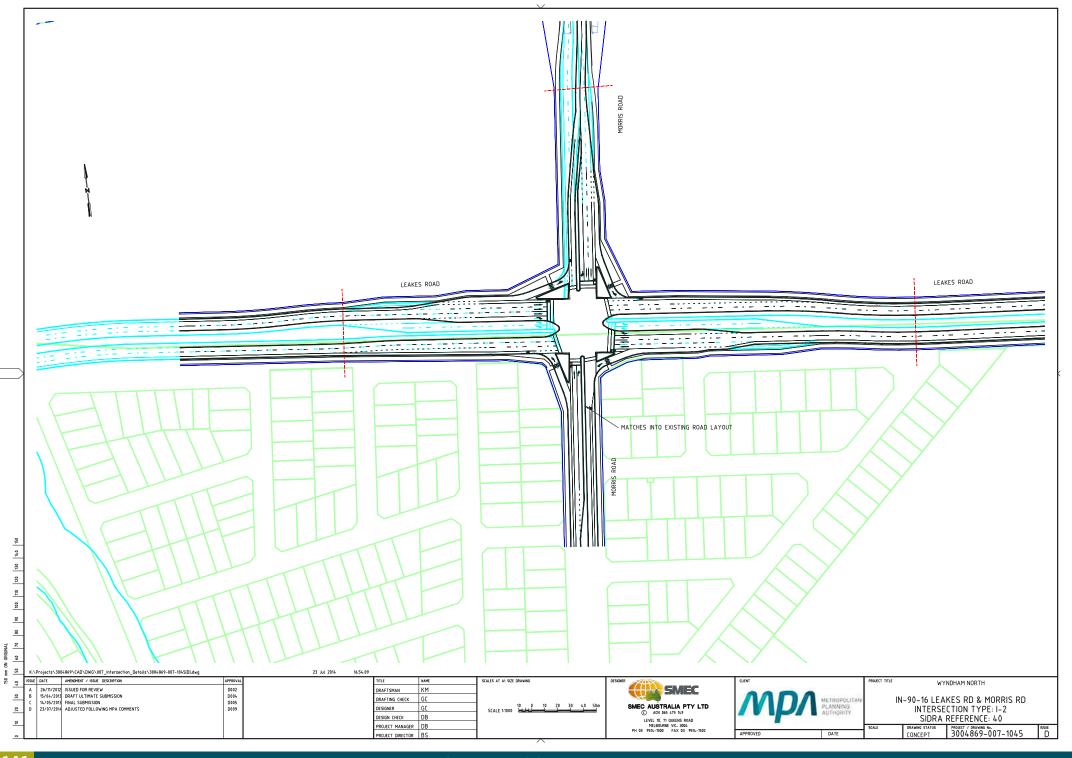


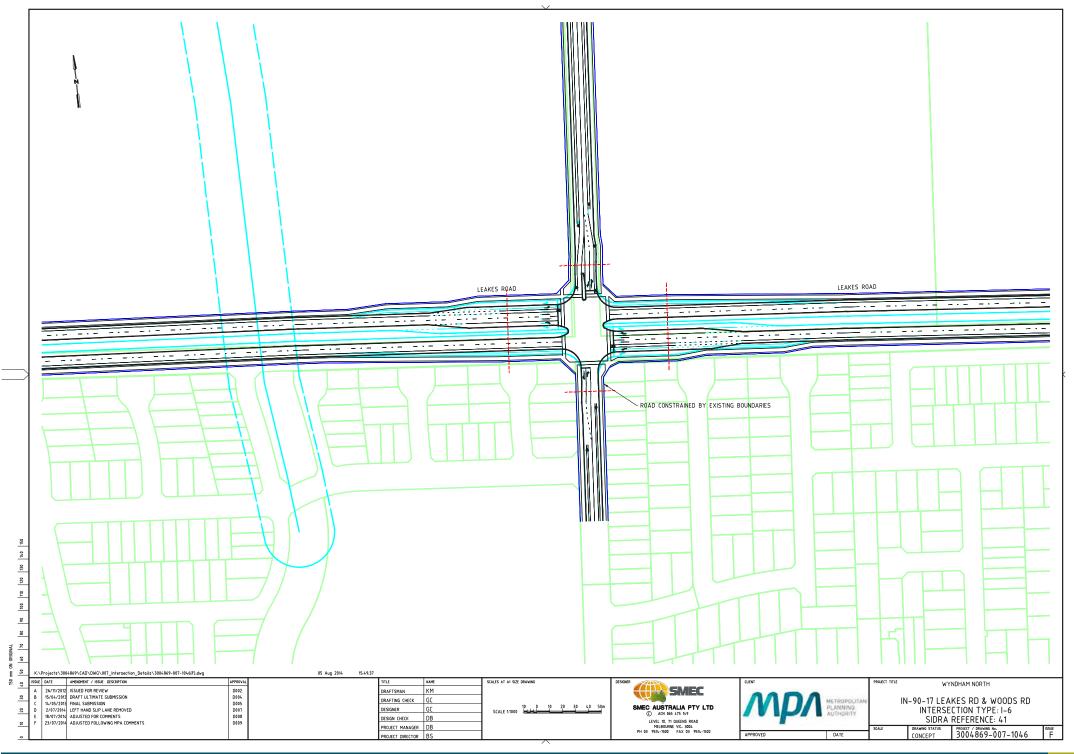


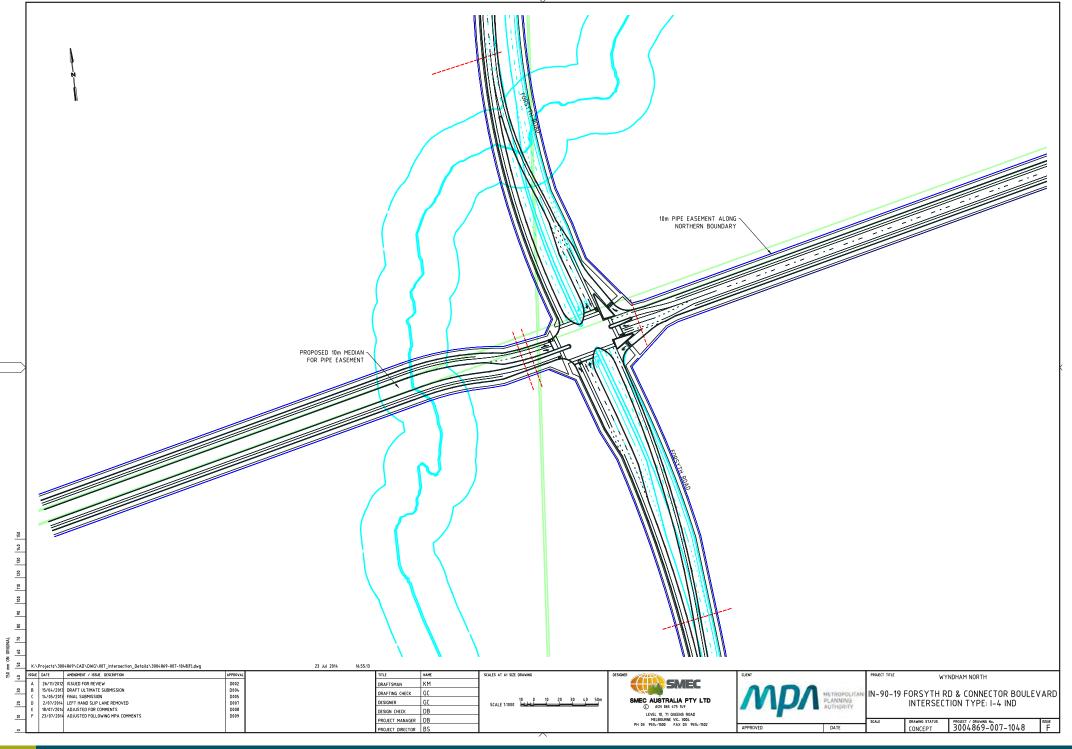


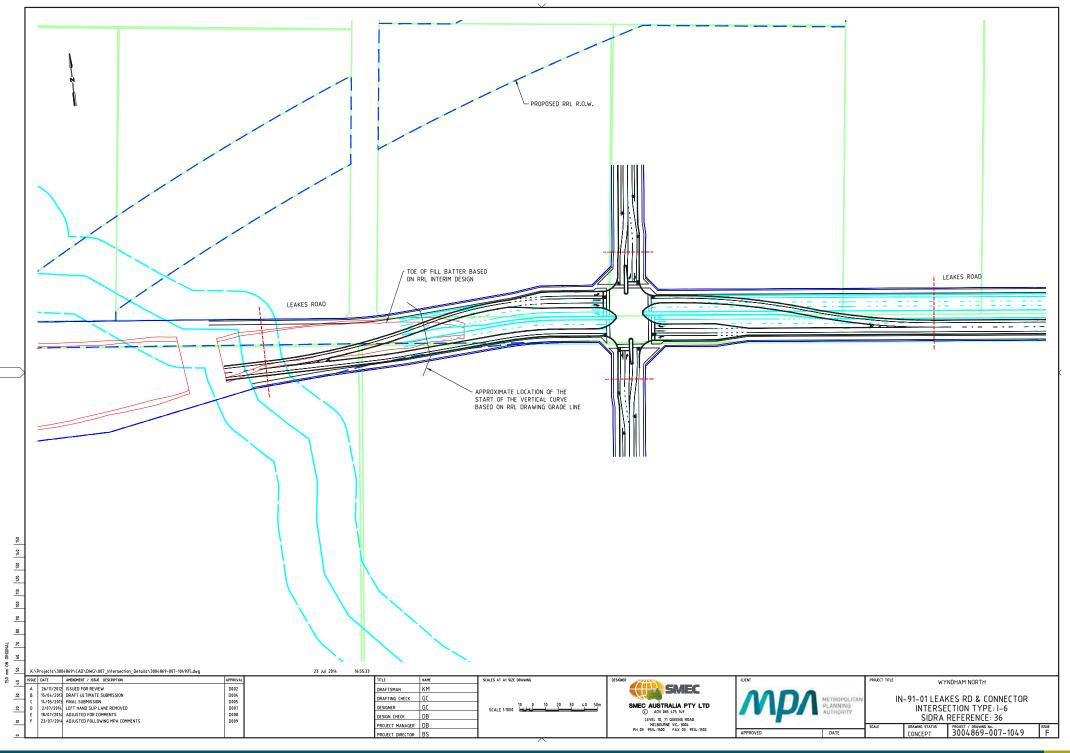


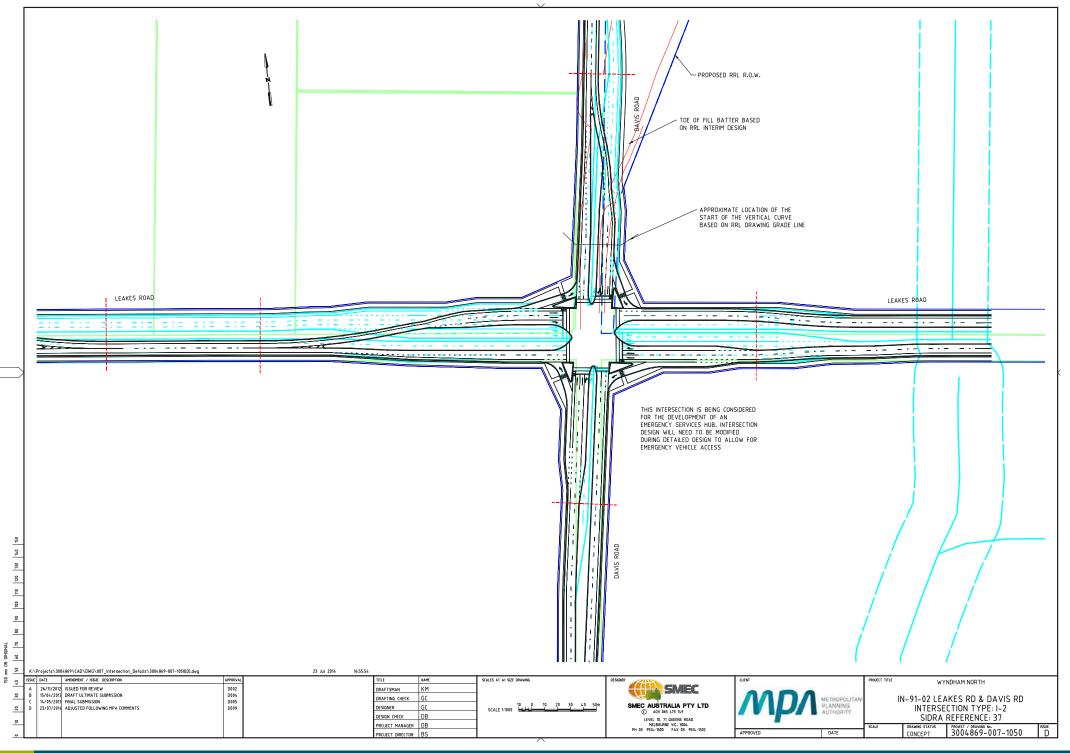


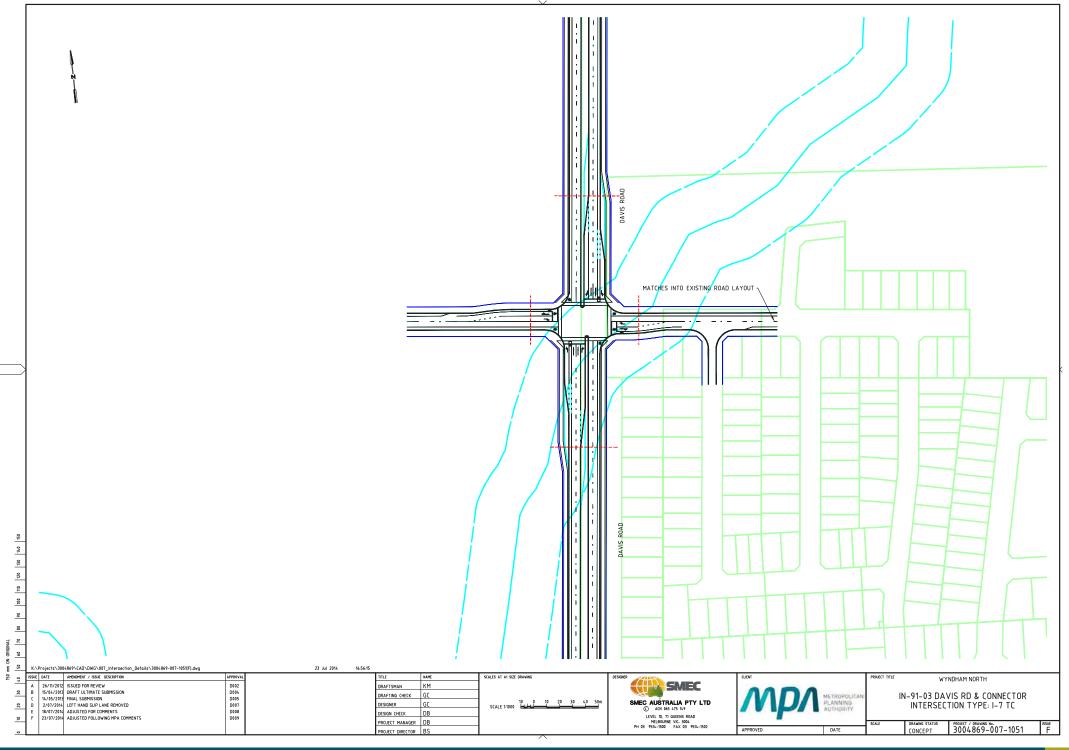


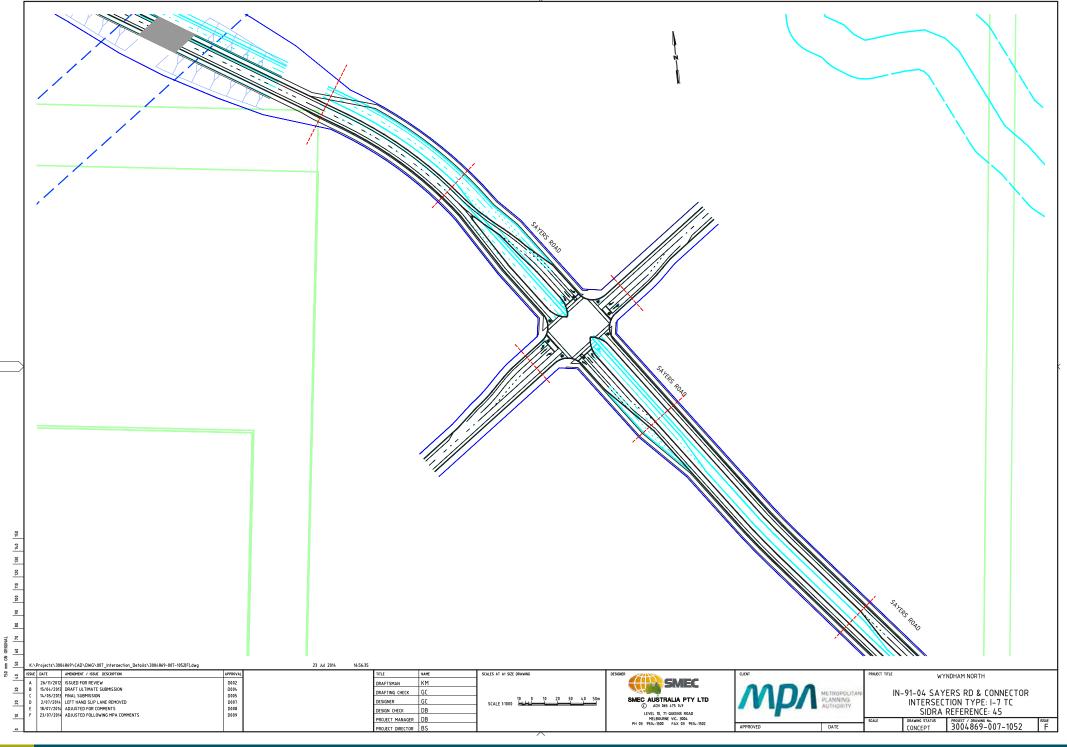


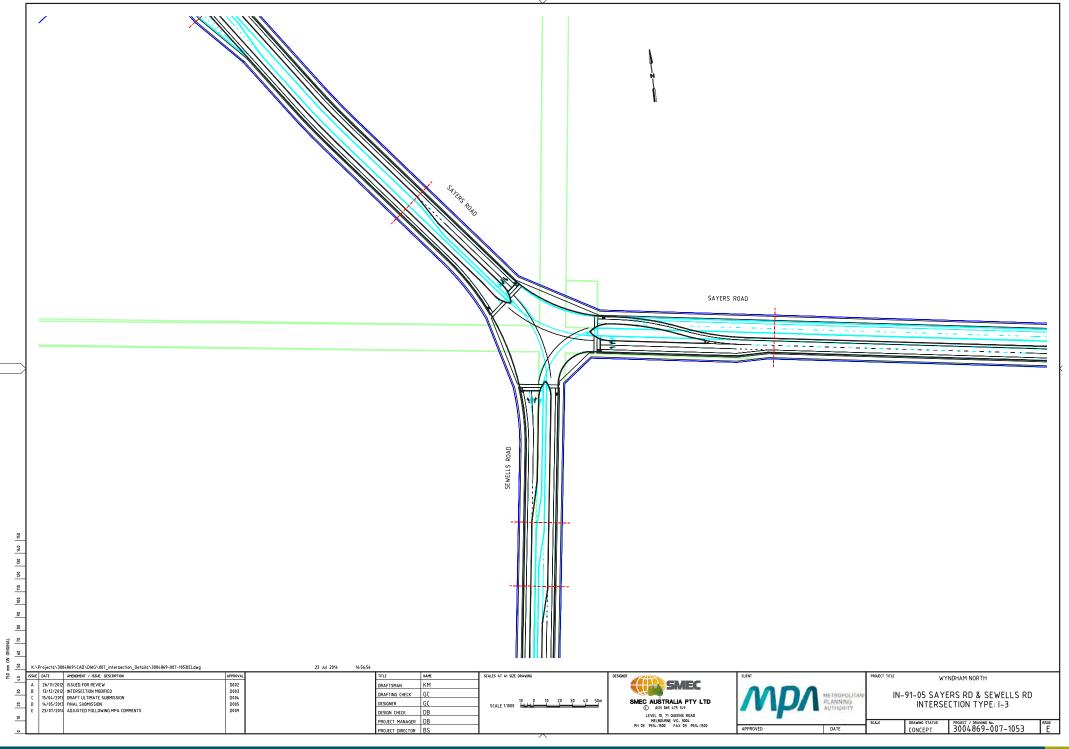


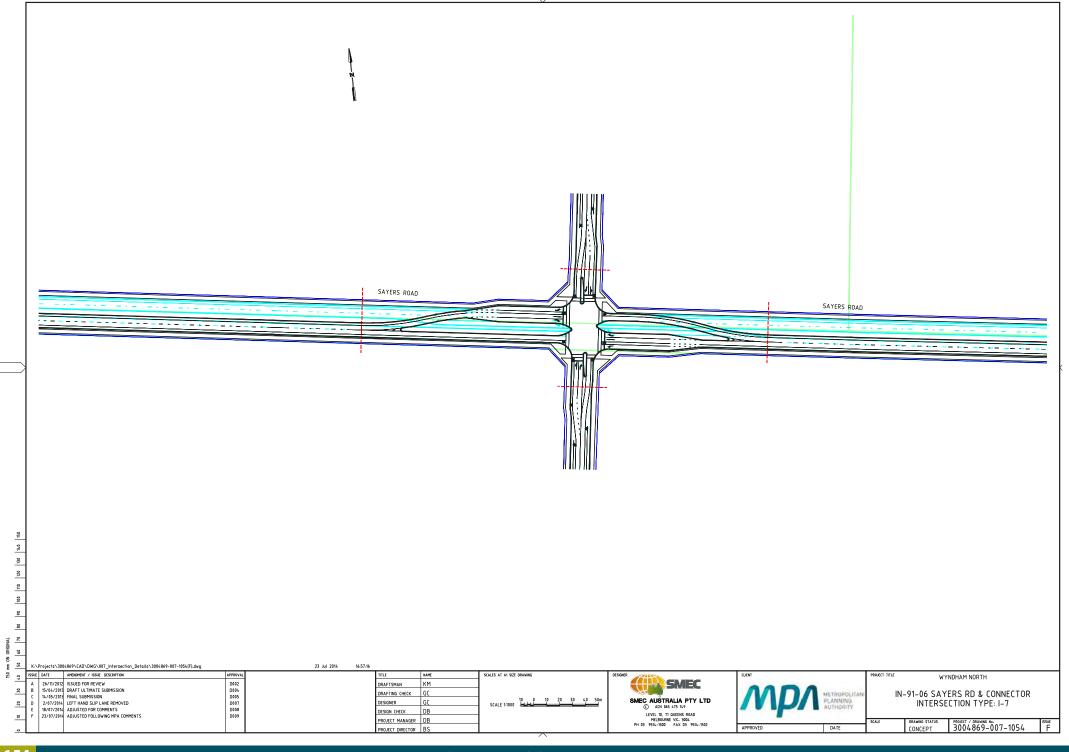


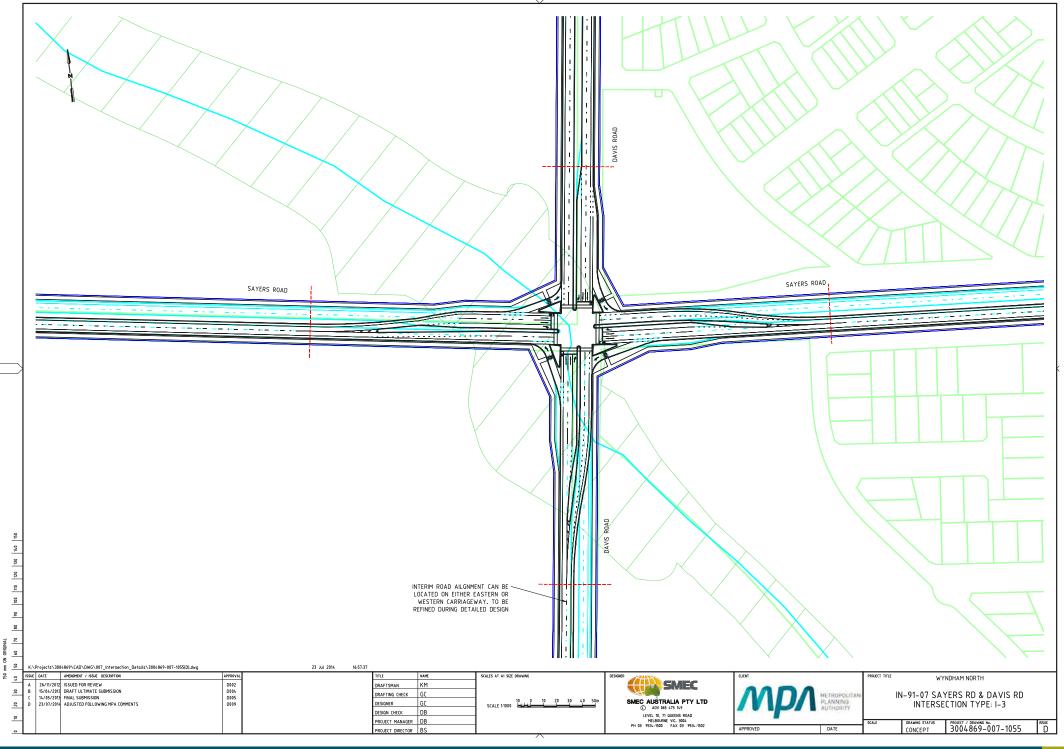


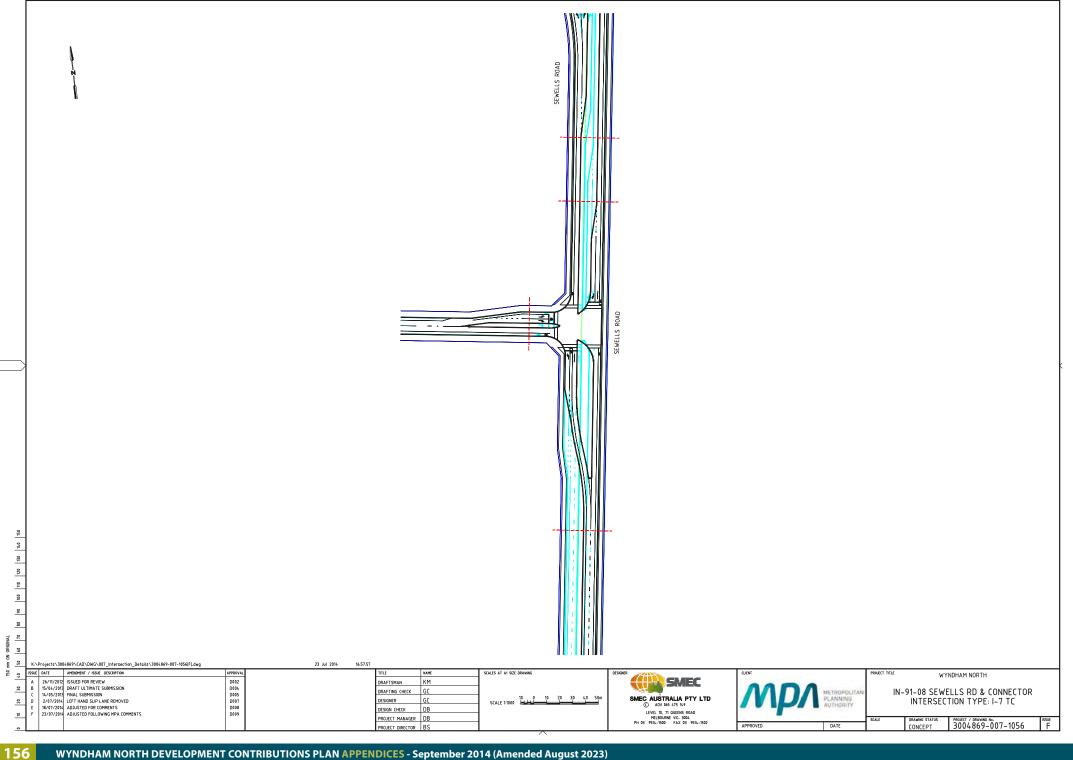


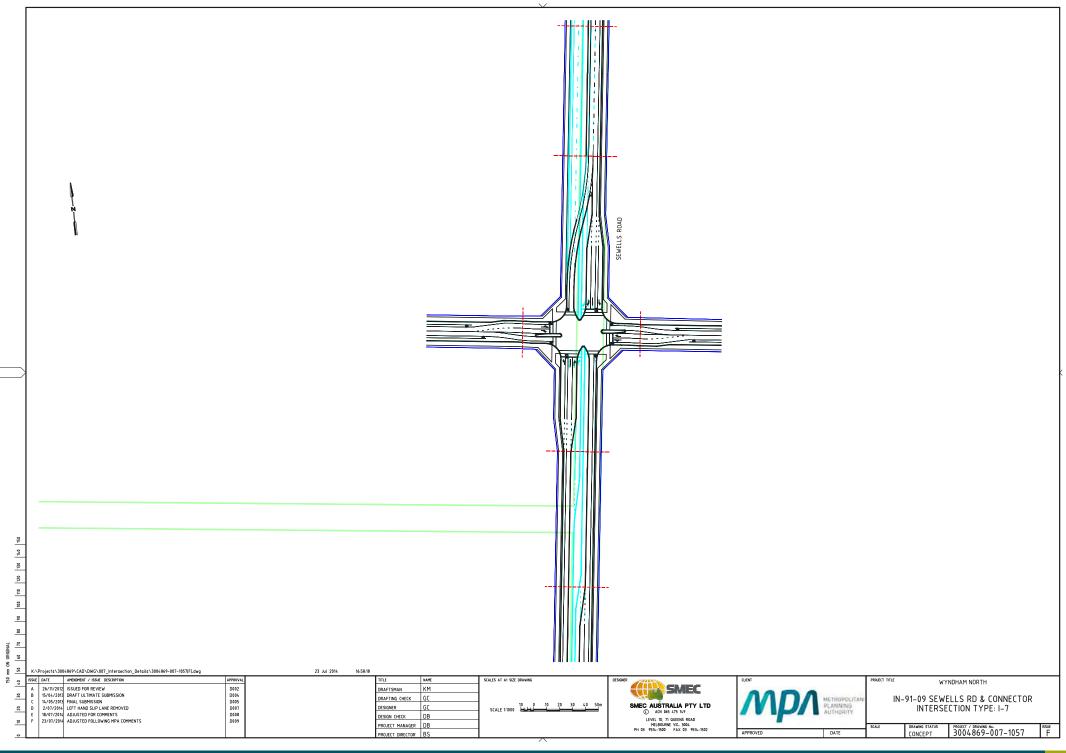


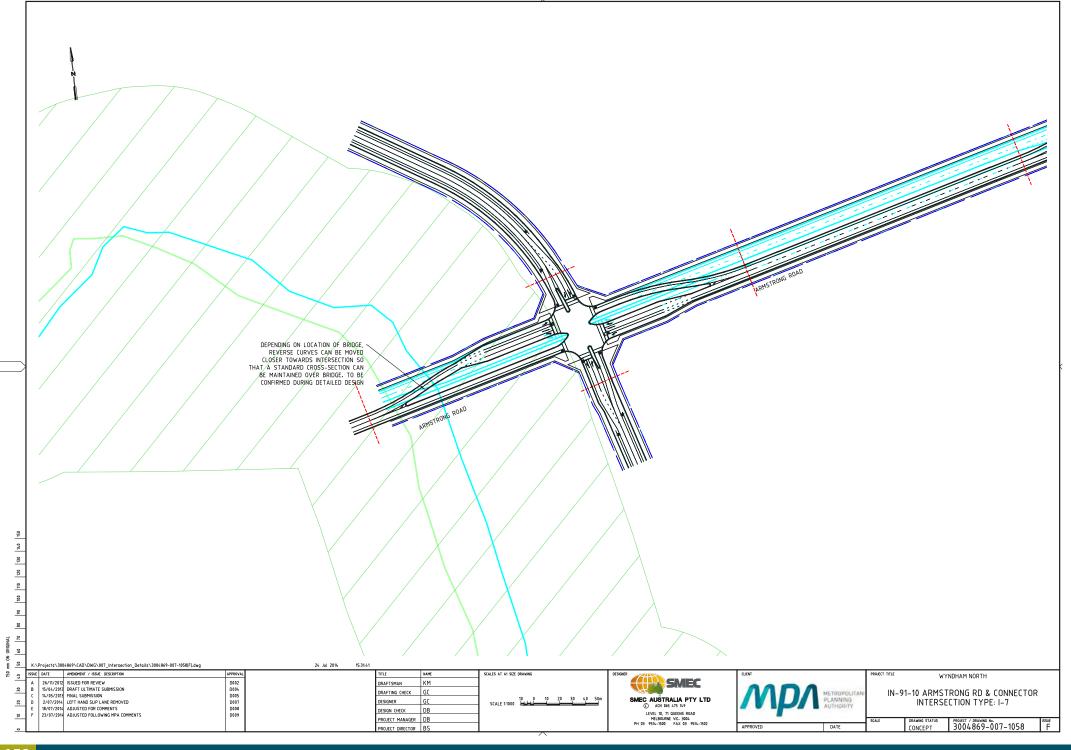


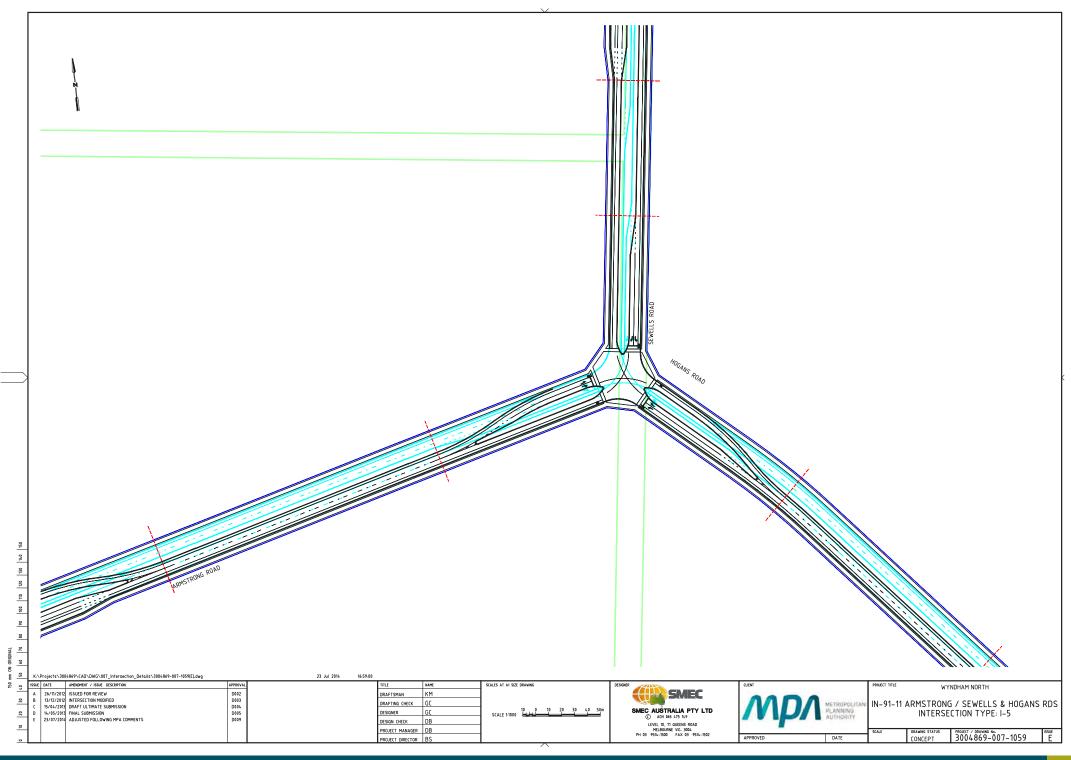


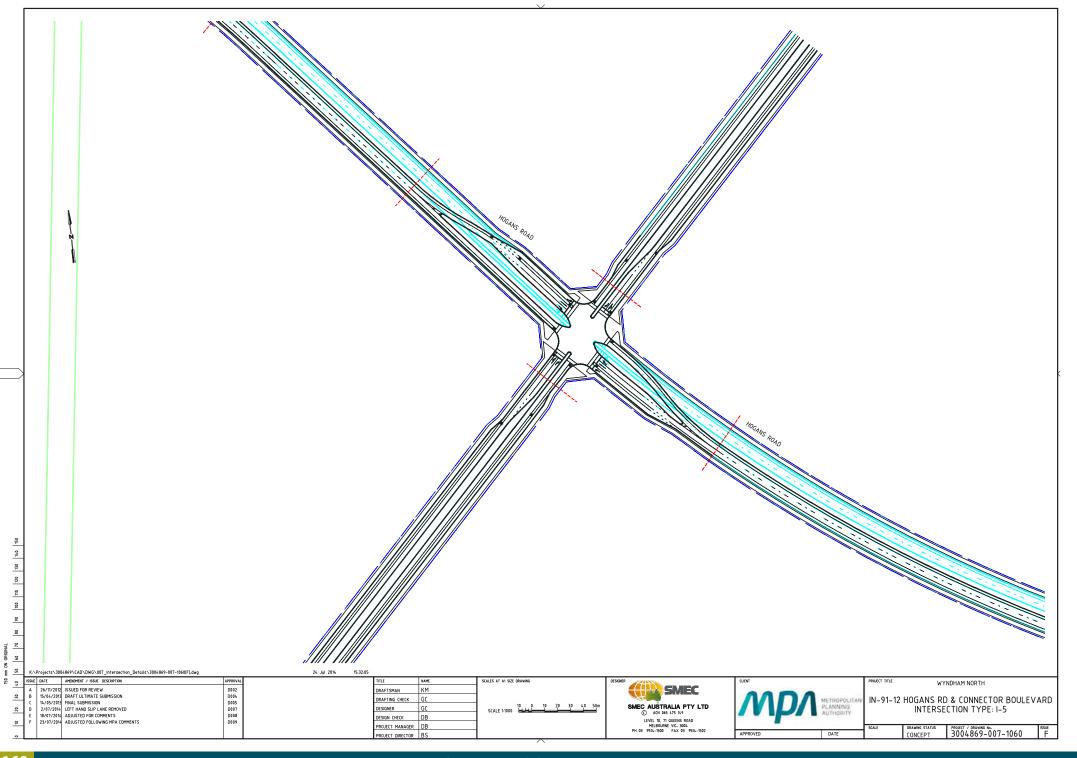


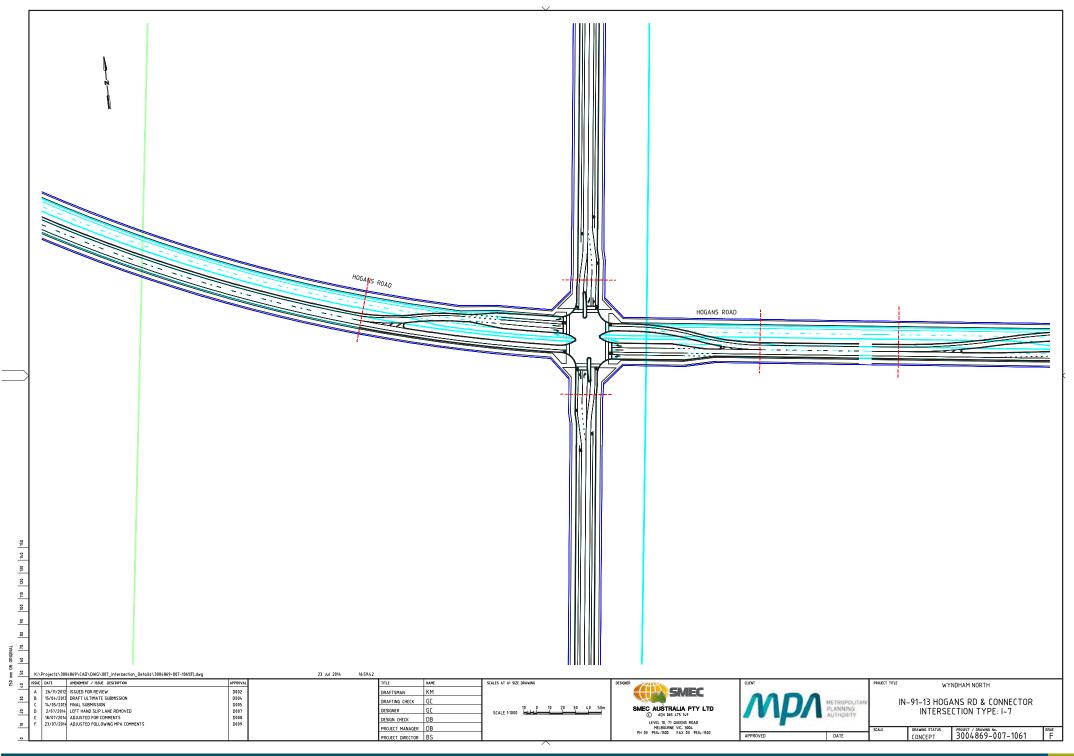


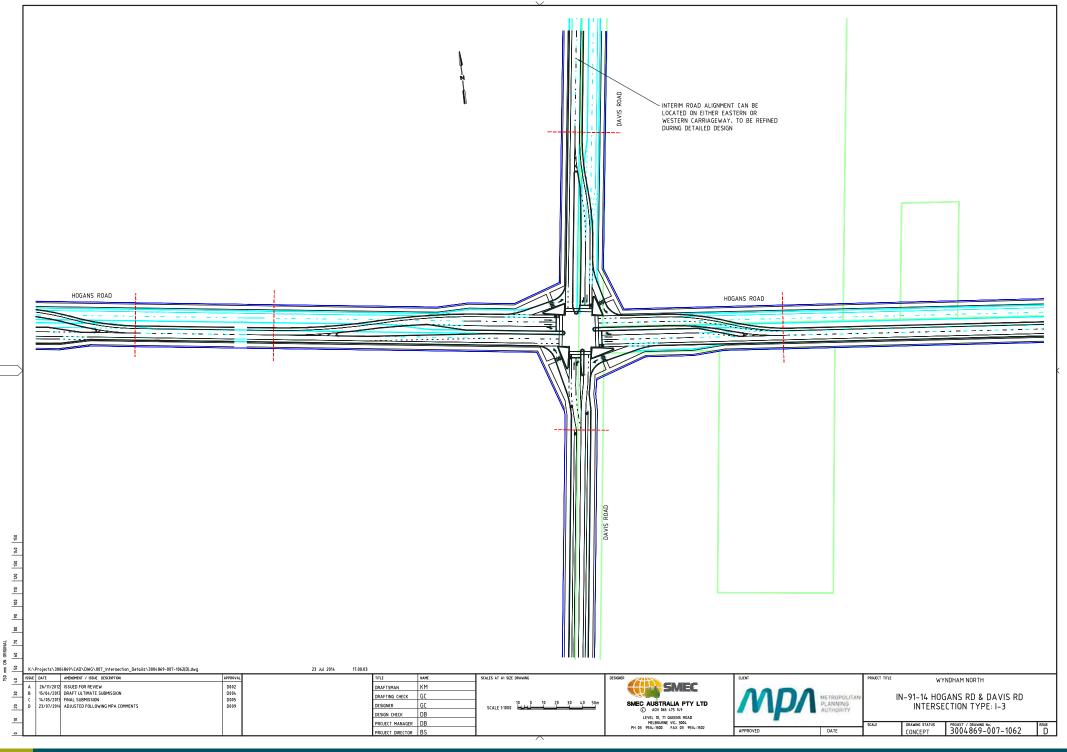


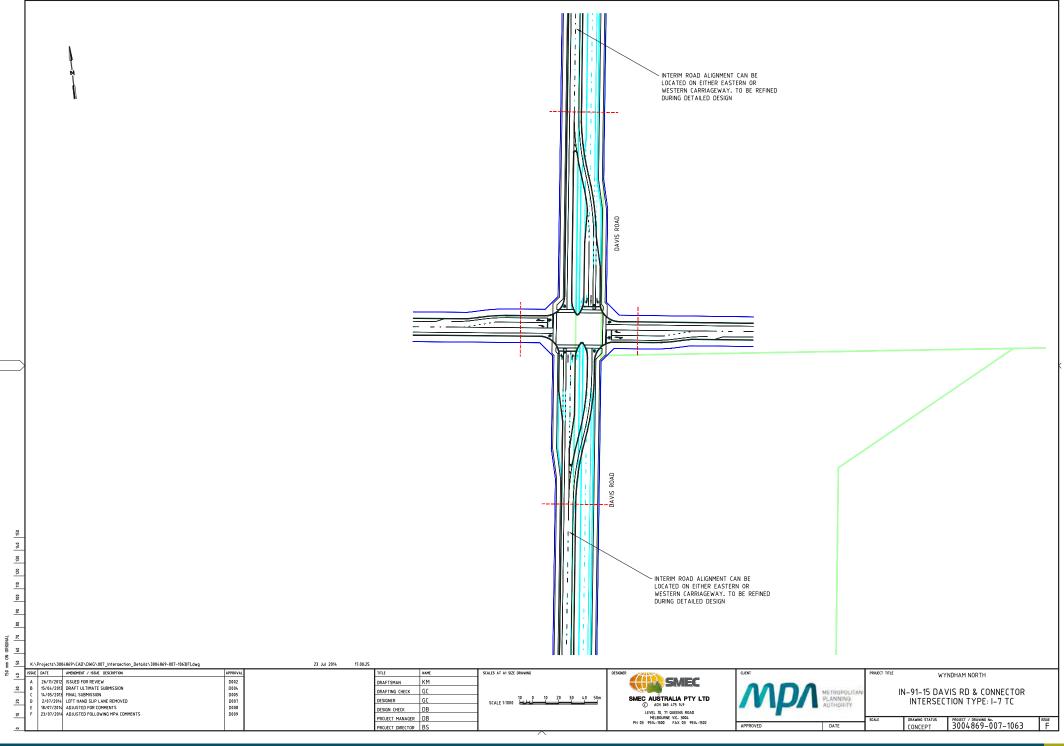












7.4 Appendix D – Recreation project costs and plans

Sports Reserve Cost Calculations

Approved DCP	Active Recreation Project	Reserve area (Ha)	DIL construction value	Sept 2013 DIL adjusted Value	June 2014 ABS Indexed Value
Toolern DCP	Hub 1	9.8	\$2,850,480	\$3,118,425	\$3,149,609
Craigeburn R2 DCP	Central Playing Fields	9.8	\$3,075,000	\$3,176,475	\$3,208,240
Clyde North DCP	Active Playing Fields	9.3	\$5,529,433	\$5,490,727	\$5,545,634
Officer DCP	Brunt Road Reserve	10	\$4,542,340	\$4,510,544	\$4,555,649
Officer DCP	McMullen Road Reserve	10	\$5,793,480	\$5,752,926	\$5,810,455
Truganina South DCP	Tarneit Rise	4	\$1,665,643	\$1,643,990	\$1,660,430
Truganina South DCP	Tarneit Gardens	8.6	\$4,940,303	\$4,876,079	\$4,924,840
Truganina South DCP	Westmeadows Lane	3.5	\$2,254,183	\$2,224,879	\$2,247,128
Truganina South DCP	Truganina South	8	\$6,011,437	\$5,933,288	\$5,992,621
Truganina South DCP	Unallocated	29.6	\$8,306,987	\$8,198,996	\$8,280,986
Manor Lakes DCP	Reserve A1	13.1	\$7,635,795	\$7,735,060	\$7,812,411
Manor Lakes DCP	Reserve A2	8.1	\$4,118,596	\$4,172,137	\$4,213,858
Total		123.8	\$56,723,677	\$56,833,526	\$57,401,861
Average construction recreation provision)	per hectare rate (based	on 6% of NDA active	\$ 458,188	\$ 459,075	\$ 463,666
•	ate per ha to reflect 7% act North (6% rate multiplied by		\$ 392,733	\$ 393,493	\$ 397,428
Adopted Per Hectare ra	ate for Sports Reserves				\$ 397,428

Sports Pavilions Cost Calculations

Wyndham West reserve No.	Pavilion Cost
AR02	\$ 1,765,576
AR04	\$ 3,379,542
AR06	\$ 2,747,208
AR08	\$ 3,137,403
AR16	\$ 2,089,066
AR14	\$ 2,415,400
AR18	\$ 1,623,330
AR20	\$ 2,548,139
AR24	\$ 1,909,206
Total	\$ 21,614,870.00

	*	2 404 452 22
Average Cost per pavilion	\$	2,401,652.22

Note: Cost per pavilion was calculated as an average of the costs for pavilions included in the Wyndham West DCP.



7.5 Appendix E – Community facility project costs and plans

Community Centre Level 1

Name: Community Centre Level 1 Site 0.4ha

Scope of works: Double Kindergarten with carparking facilities

Detail Double Kindergarden with community room and Carparking facilities

Notes: Costs based on estimate from previous community centres as provided by Wyndham City Council

Estimate based on normal earthworks on fairly level site

Item	Unit	Rate		area	comments	subtotal	An	nount
Community Centre Building Community room Kindergarten (double) Central Management Offices Kitchen/Kiosk	subtotal m² m² m² m²	\$ \$ \$	2,721.00 2,721.00 2,721.00 2,721.00	100 368	square metres 2 children rooms, Kitchen, Office/Admin, Storage internal & External, Children's toilets inlcudes circulation space	\$ 272,100.0 \$ 1,001,328.0 \$ 228,564.0 \$ 108,840.0)	2,277,247
Storage Public amenities Wall area Playground Carpark works Landscaping Level A	m² m² m² m² m²	\$ \$ \$ \$	2,439.00 2,439.00 2,721.00 225.00 3,000.00 55.00	61 59 71.2 800 73	allowance for wall thickness 10% of room areas outdoor play space for kindergarden and 100m2 playgroups fixed cost Level A	\$ 148,779.0 \$ 143,901.0 \$ 193,735.2 \$ 180,000.0 \$ 219,000.0 \$ 27,500.0))))) \$	246,500
Subtotal estimated total Contingence		Ψ	33.00	15%	Level A	\$ 2,523,747.2	\$ \$	2,523,747 378,562
Total + contingencies Services for buildings Survey and Design Overheads (supervision etc) Site establishment Total Estimated Cost Adopted Cost	Item			5% 10% 2.5%		\$ 2,902,30	\$ \$ \$ \$ \$	50,000 126,187 252,375 63,094 3,393,965

Estimate Prepared by: CDCE Mar-14



Community Centre Level 2 and 3 component

Name: Community Centre Level 2 Site 0.8ha

Scope of works: Integrated Community Centre

Detail Double Kindergarden, 2 consulting rooms for Maternal & Child Health, Flexible activity rooms, Consulting rooms for visiting services

Community Hall, Public amenities, Central Management Office and carparking.

Notes: Costs based on estimate from previous community centres as provided by Wyndham City Council

Estimate based on normal earthworks on fairly level site

Item	Unit	Rate		area	comments	subtota	al	Amo	ount
Community Centre Building Community Hall Kindergarten (double) Maternal & Child Health Visiting Services Consulting rms Central Management Offices Flexible Activity rooms Kitchen/Kiosk Storage Public amenities Wall thickness	subtotal m² m² m² m² m² m² m² m² m²	****	2,721.00 2,721.00 2,721.00 2,721.00 2,721.00 2,439.00 2,721.00 2,439.00 2,439.00 2,439.00 2,439.00	1381 500 368 100 70 179 25 40 40 59	square metres includes community rooms 2 children rooms, Kitchen, Office/Admin, Storage internal & External, Children's toilets 2 consulting rooms & consult/interview room, waiting room, separate consulting/waiting 2 consulting rooms, waiting room includes circulation space of 95m2 youth space allowance for wall thickness 10% of room areas	\$ 1,3 \$ 1,0 \$ 2 \$ 1! \$ 4 \$ 1 \$ 1	60,500.00 101,328.00 172,100.00 90,470.00 87,059.00 60,975.00 08,840.00 97,560.00 43,901.00 175,770.10	\$	4,278,503
Playground	m²	\$	225.00	800	outdoor play space for kindergarden and 100m2 for playgroups	\$ 1	80,000.00		
Carpark works Landscaping Level A Subtotal	subtotal m²	\$ \$	3,000.00 55.00		fixed cost Level A	\$	255,000.00 27,500.00 61,003.10	\$	282,500
estimated total Contingence Total + contingencies				15%			5,245,154	\$	4,561,003 684,150
Services for buildings Survey and Design Overheads (supervision etc) Site establishment Total Estimated Cost Adopted Cost	ltem			5% 10% 2.5%			3,2.3,101	\$ \$ \$ \$ \$	100,000 228,050 456,100 114,025 6,143,329

Estimate Prepared by: CDCE Mar-14



Community Centre Level 3 Library component

Name: Community Centre Level 3 Site 0.8ha

Scope of works: Integrated Community Centre in cluding Library

Detail Library, Double Kindergarden, 2 consulting rooms for Maternal & Child Health, Flexible activity rooms, Consulting rooms for visiting services

Community Hall, Public amenities, Central Management Office and carparking.

Notes: Costs based on estimate from previous community centres as provided by Wyndham City Council

Estimate based on normal earthworks on fairly level site

Item	Unit	Rate		area	comments	subtotal	Am	ount
Community Centre								
Building	subtotal			2409	square metres		\$	4,689,928
Community Hall	m²	\$	2.721.00	500	includes community rooms	\$ 1,360,500.00	1	
Kindergarten (double)	m²	\$	2,721.00	368	2 children rooms, Kitchen, Office/Admin, Storage internal & External, Children's toilets	\$ 1,001,328.00		
Maternal & Child Health	m²	\$	2,721.00	100	2 consulting rooms & consult/interview room, waiting room, separate consulting/waiting	\$ 272,100.00		
Visiting Services Consulting rms	m²	\$	2,721.00	70	2 consulting rooms, waiting room	\$ 190,470.00		
Central Management Offices	m²	\$	2,721.00	179	inloudes circulation space of 95m2	\$ 487,059.00		
Youth space	m²	\$	2,439.00	54	youth consulting rooma & lounge	\$ 131,706.00		
Flexible Activity rooms	m²	\$	2,439.00	25	youth space	\$ 60,975.00		
Kitchen/Kiosk	m²	\$	2,721.00	40		\$ 108,840.00		
Storage	m²	\$	2,439.00	40		\$ 97,560.00		
Public amenities	m²	\$	2,439.00	59		\$ 143,901.00		
Wall thickness	m²	\$	2,721.00	240.9	allowance for wall thickness 10% of room areas	\$ 655,488.90		
Playground	m²	\$	225.00	800	outdoor play space for kindergarden and 100m2 playgroups	\$ 180,000.00		
Library	m²				single level		\$	2,634,462
Public Area	m²	\$	2,721.00	856		\$ 2,329,176.00		
Office	m²	\$	2,721.00	12		\$ 32,652.00		
Office open plan space	m²	\$	2,721.00	50		\$ 136,050.00		
Public Toilets	m²	\$	2,439.00	24		\$ 58,536.00		
Staff Room	m²	\$	2,439.00	12		\$ 29,268.00		
Staff toilet	m²	\$	2,439.00	7		\$ 17,073.00		
Storage	m²	\$	2,439.00	13		\$ 31,707.00		
Carpark works	subtotal	\$	3,000.00	130	fixed cost	\$ 390,000.00		417,500
Landscaping Level A	m²	\$	55.00	500	Level A	\$ 27,500.00		
Subtotal						\$ 7,741,889.90		
estimated total							\$	7,741,890
Contingence				15%			\$	1,161,283
Total + contingencies						\$ 8,903,173		
Services for buildings	Item						\$	100,000
Survey and Design				5%			\$	387,094
Overheads (supervision etc)				10%			\$	774,189
Site establishment				2.5%			\$	193,547
Total Estimated Cost							\$	10,358,004
Adopted Cost								

Estimate Prepared by: CDCE

Note: This cost estimate is for a Community Centre Level 3 and Library. The cost estimate for the Community Centre Level 3 component is the same as the Community Centre Level 2 (as the DIL funded items in each Community Centre are the same). The cost estimate for the Library component is the difference between the Community Centre Level 3 and Library estimate, and the Community Centre Level 2 estimate (ie. \$10,358,004 - \$6,143,329 = \$4,214,675).



Level 3 Library and Regional Performing Arts Centre

Name: Performing Arts Centre

Scope of works: Pperforming Arts Centre (rehearsal facilities)

Detail 3 large rehearsal rooms, 4 practise rooms (3 medium, 1 small), Kitchen, foyer, office/admin, female & male change rooms, amentities

storage rooms (secure) to each rehearsal and practise rooms, workshop for set creation and storage

Notes: Costs based on being attached to Level three community centre estimate from previous community centres as provided by Wyndham City Council

Estimate based on normal earthworks on fairly level site

Item	Unit	Rate		area	comments	suk	ototal	Amo	ount
Performing Arts Centre Building Rehearsal rooms Practise rooms Storage rooms Management Offices Foyer Kitchen Amenities	subtotal m² m² m² m² m² m²	\$ \$ \$ \$ \$ \$ \$	3,370.00 3,370.00 2,925.00 2,721.00 2,721.00 2,721.00 2,439.00	1537 456 107 129 35 90 27	square metres 3 large rooms recommended (19x8 each) 3 medium sized (4,5x6,5m) 1 small (4,2x4,6) 3 separate rooms per rehearsal room each (3,2x4,5)	\$ \$ \$ \$ \$ \$ \$	1,536,720.00 360,590.00 377,325.00 95,235.00 244,890.00 73,467.00 256,095.00	\$	3,815,091
Wall Thickness Workshop Carpark works	m² m² subtotal	\$ \$	3,370.00 600.00 3,000,00	153.7	allowance for wall thickness 10% of room areas area let to groups to creat and storge stage props etc.	\$	517,969.00 352,800.00 195,000.00	\$	222,500
Landscaping Level A	m ²	\$	55.00		Level A	\$	27,500.00	*	222,000
Subtotal						\$	4,037,591.00		
estimated total Contingence Total + contingencies				15%		¢	4,643,230	\$	4,037,591 605,639
Survey and Design Overheads (supervision etc) Site establishment Total Estimated Cost Adopted Cost				5% 10% 2.5%		Ψ	4,043,230	\$ \$ \$	201,880 403,759 100,940 5,349,808

Estimate Prepared by: CDCE

Mar-14

Note: This cost estimate is for a Regional Performing Arts Centre only. To derive the cost for a Level 3 Library and Regional Performing Arts Centre, the Level 3 Library cost must be added (ie. \$5,349,808 + \$4,214,675 = \$9,564,483)



7.6 Appendix F – Oakbank land budget

Appendix 7-1 PSF 1088 Outdook 3 Collium Straight

			Ce	W 1														
S		Residential	ı		Employmen	t.		Cell 2			Cell 3		0	akbamk PSP Tot	% OF NDA			
Description	HECTARES	K PRECINCT	% OF NDA	HECTARES	N PRECINCT	% OF NDA	HECTARES	N PRECINCT	% OF NDA	HECTARES	6 PRECINCT	% OF NDA	HECTARES	% PRECINCTS	% OF NDA			
TOTAL PRECINCT AREA (ha)	190.08			49.94			236.36			580.91			1,057.2836					
TRANSPORT																		
New Arterial Roads / Widening	0.87	0.46%	0.72%	0.97	1.94%	2.49%	3.75	1.59%	2.25%	17.83	3.07%	5.76%	23.43	2.22%	3.68%			
Existing Road Reserves	3.66	1.93%	3.02%	1.16	2.32%	2.97%	8.60	3.64%	5.17%	9.17	1.58%	2.96%	22.59	2.14%	3.55%			
Existing OMR Road Reserve (not available for development)	13.57	7.14%	11.20%	7.97	15.96%	20.40%				91.97	15.83%	29.70%	113.51	10.74%	17.84%			
Railway Reserve							4.06	1.72%	2.44%	10.29	1.77%	3.32%	14.36	1.36%	2.26%			
SUB-TOTAL	18.11	9.53%	14.94%	10.10	20.22%	25.86%	16.41	6.94%	9.87%	129.27	22.25%	41.75%	173.88	16.45%	27.33%			
EDUCATION & COMMUNITY																		
Government Education	3.50	1.84%	2.89%				10.21	4.32%	6.14%	7.00	1.21%	2.26%	20.71	1.96%	3.26%			
Non-Government Education							3.00	1.27%	1.80%	2.70	0.46%	0.87%	5.70	0.54%	0.90%			
Community Centres										1.40	0.24%	0.45%	1.40	0.13%	0.22%			
SUB-TOTAL	3.50	1.84%	2.89%				13.21	5.59%	7.95%	11.10	1.91%	3.58%	27.81	2.63%	4.37%			
OPEN SPACE																		
SERVICE OPEN SPACE																		
Drainage - Waterways, Retardation & Wetlands	22.23	11.69%	18.34%				6.19	2.62%	3.72%	41.31	7.11%	13.34%	69.72	6.59%	10.96%			
Drainage - Stormwater Quality Treatment Asset*							5.64	2.39%	3.39%	14.40	2.48%	4.65%	20.04	1.90%	3.15%			
Growling Grass Frog Conservation Area (where applicable)										20.75	3.57%	6.70%	20.75	1.96%	3.26%			
Utilities Easements							12.70	5.37%	7.63%	5.20	0.90%	1.68%	17.90	1.69%	2.81%			
SUB-TOTAL	22.23	11.69%	18.34%				24.53	10.38%	14.75%	81.66	14.06%	26.37%	128.41	12.15%	20.18%			
CREDITED OPEN SPACE																		
Sports Reserves	12.73	6.70%	10.50%				10.91	4.62%	6.56%	18.64	3.21%	6.02%	42.29	4.00%	6.65%			
Local Parks (Residential)	3.84	2.02%	3.17%				5.00	2.12%	3.01%	9.08	1.56%	2.93%	17.91	1.69%	2.82%			
Local Parks (Employment)				0.78	1.56%	2.00%							0.78	0.07%	0.12%			
SUB-TOTAL	16.57	8.71%	13.67%	0.78	1.56%	2.00%	15.91	6.73%	9.57%	27.72	4.77%	8.95%	60.98	5.77%	9.59%			
REGIONAL OPEN SPACE (future acquisition)																		
Regional Sports Reserve (Council Acquisition)	8.50	4.47%	7.01%							21.50	3.70%	6.94%	30.00	2.84%	4.72%			
SUB-TOTAL	8.50	4.47%	7.01%							21.50	3.70%	6.94%	30.00	2.84%	4.72%			
SUB-TOTAL ALL OPEN SPACE	47.29	24.88%	39.02%	0.78	1.56%	2.00%	40.44	17.11%	24.32%	130.88	22.53%	42.27%	219.39	20.75%	34.49%			
TOTAL NET DEVELOPABLE AREA (NDA) Ha	121.18	63.75%		39.06	78.21%		166.30	70.36%		309.65	53.31%		636.19	60.17%				
NET DEVELOPABLE AREA - EMPLOYMENT (NDA-E) Ha	0.00	0.00%		39.06	78.21%		0.00	0.00%		0.00	0.00%		39.06	3.69%				
NET DEVELOPABLE AREA - RESIDENTIAL(NDA-R) Ha	121.18	63.75%		0.00	0.00%		166.30	70.36%		309.65	53.31%		597.14	56.48%				
Residential Credited Unencumbered Open Space expressed as	X of NDA-R	Coll 4			Coll 4			Cell 2			Cell 3			oldsook DCD Tox	nd .			
Description	HECTARES	Cell 1 % OF	NDA-R	HECTARES	Cell 1 % OF	NDA-R	HECTARES		IDA-R	HECTARES		NDA-R	HECTARES	akbank PSP Tot % OF I	at IDA-R			
Sports Reserves	12.73		.50%				10.91	6.5		18.6445		02%	42.29	7.0	8%			
Local parks (residential)	3.84		17%				5.00	3.0		9.0779		93%	17.91	3.0	-			
Total	16.57	13.	.67%				15.91	9.5	7%	27.72	8.9	95%	43.64	7.3	1%			
Employment Credited Unencumbered Open Space expressed a	s % of NDA-E																	
Description	115551 255	Cell 1	ND4.E		Cell 1	NDA-E		Cell 2 % OF N	O. F		Cell 3 % OF	NDA E		akbank PSP Tot				
	HECTARES	% OF	NUA-C	HECTARES			HECTARES	N OF R	IDA-E	HECTARES	3. OF	MUA-E	HECTARES	% OF I				
Local Parks (employment)				0.781	2.1	00%							0.78	2.0	U4			



Appendix P-2 POP 1000 Outbrack Typical Average Parcel 3 Cell Land Budget

			Ce	ii 1				Cell 3				
		Residential			Employment	:		Cell 2			Cell 3	
Description	HECTARES	% PRECINCT	% OF NDA	HECTARES	% PRECINCT	% OF NDA	HECTARES	% PRECINCT	% OF NDA	HECTARES	% PRECINCT	% OF NDA
Average Property Parcel Size Per Cell	9.04			9.04			4.14			35.36		
TRANSPORT							7-27					
New Arterial Roads / Widening	0.04	0.46%	0.72%	0.18	1.94%	2.49%	0.07	1.59%	2.25%	1.09	3.07%	5.76%
Existing Road Reserves	0.17	1.93%	3.02%	0.21	2.32%	2.97%	0.15	3.64%	5.17%	0.56	1.58%	2.96%
Existing OWR Road Reserve (not available for development)	0.65	7.14%	11.20%	1.44	15.96%	20.40%				5.60	15.83%	29.70%
Railway Reserve							0.07	1.72%	2.44%	0.63	1.77%	3.32%
SUB-TOTAL	0.86	9.53%	14.94%	1.83	20.22%	25.86%	0.29	6.94%	9.87%	7.87	22.25%	41.75%
EDUCATION & COMMUNITY												
Government Education	0.17	1.84%	2.89%	0.00	0.00%	0.00%	0.18	4.32%	6.14%	0.43	1.21%	2.26%
Non-Government Education							0.05	1.27%	1.80%	0.16	0.46%	0.87%
Community Centres										0.09	0.24%	0.45%
SUB-TOTAL	0.17	1.84%	2.89%	0.00	0.00%	0.00%	0.23	5.59%	7.95%	83.0	1.91%	3.58%
OPEN SPACE												
SERVICE OPEN SPACE												
Drainage - Waterways, Retardation & Wetlands	1.06	11.69%	18.34%				0.11	2.62%	3.72%	2.51	7.11%	13.34%
Drainage - Stormwater Quality Treatment Asset*							0.10	2.39%	3.39%	0.88	2.48%	4.65%
Growling Grass Frog Conservation Area (where applicable)										1.26	3.57%	6.70%
Utilities Easements							0.22	5.37%	7.63%	0.32	0.90%	1.68%
SUB-TOTAL	1.06	11.69%	18.34%				0.43	10.38%	14.75%	4.97	14.06%	26.37%
CREDITED OPEN SPACE												
Sports Reserves	0.61	6.70%	10.50%				0.19	4.62%	6.56%	1.13	3.21%	6.02%
Local Parks (Residential)	0.18	2.02%	3.17%				0.09	2.12%	3.01%	0.55	1.56%	2.93%
Local Parks (Employment)				0.14	1.56%	2.00%						
SUB-TOTAL	0.79	8.71%	13.67%	0.14	1.56%	2.00%	0.28	6.73%	9.57%	1.69	4.77%	8.95%
REGIONAL OPEN SPACE (future acquisition)												
Regional Sports Reserve (Council Acquisition)	0.40	4.47%	7.01%							1.31	3.70%	6.94%
SUB-TOTAL	0.40	4.47%	7.01%							1.31	3.70%	6.94%
SUB-TOTAL ALL OPEN SPACE	2.25	24.88%	39.02%	0.14	1.56%	2.00%	0.71	17.11%	24.32%	7.97	22.53%	42.27%
TOTAL AVERAGE PER PARCEL NET DEVELOPABLE AREA (NDA) Ha	5.76	63.75%		7.07	78.21%		2.91	70.36%		18.85	53.31%	
AVERAGE PER PARCEL NET DEVELOPABLE AREA - EMPLOYMENT (NDA-E) Ha				7.07	78.21%							
AVERAGE PER PARCEL NET DEVELOPABLE AREA - RESIDENTIAL(NDA-R) Ha	5.76	63.75%					2.91	70.36%		18.85	53.31%	

