

**APPENDIX M – SUMMARY OF COSTS EXPENDED AND ESTIMATES FOR
THE UPGRADE OF SOUTHERN RIVER ROAD**

SUMMARY OF COSTS

	SRRd Stage 1 & 2 (with o/h)	SRRd Stage 1 & 2 (without o/h)
Survey	171,846	128,845
Traffic Management	1,132,781	858,120
Earthwork	1,459,911	1,129,724
Pavement	2,203,611	1,662,062
Kerbing	286,417	218,777
Asphalt surfacing/ Primer	1,314,971	1,001,281
Drainage	754,564	573,959
Streetscaping	506,377	372,901
Paths	214,291	165,917
Street lighting	320,874	272,738
Utility relocations minor	167,179	56,966
Utility relocations major	2,765,459	2,146,608
Miscellaneous	1,436,875	1,011,078
Total for Stage 1 & 2	12,735,155	9,598,977
Total cost excluding major Utility relocations and Paths		7,286,452
Earthworks		
Other Roadworks		
SRP 2 contribution (50% "Earthworks" + 25% "Other Roadworks")		
SRP 3 contribution (50% "Earthworks" + 25% "Other Roadworks")		
COG contribution (50% "other Roadworks")		
Total Grants	(8,940,194)	
less overheads	3,083,835	
less Holmes St Interim Roundabout Cost	1,291,985	
less COG contribution	2,944,298	
less COG contribution for utilities	384,313	
WP distribution excess (Actual-Estimate)	30,673	
Grant discount available for Dev Contributions	(1,205,090)	

SRP 2 contribution after discount	1,409,866
SRP 3 contribution after discount	1,409,866
SRP 2 contribution after discount + Paths	1,575,783
Utilities relocation contribution - SRP2 #	556,758
Utilities relocation contribution - SRP3 #	1,174,863
Utilities relocation contribution - City	384,313
SRP2 Contribution Aldenham Rbt	158,666
SRP3 Contribution Aldenham Rbt	158,666
SRRd/ Holmes St roundabout	1,086,454
SRP 2 contribution (25%)	271,614
SRP 3 contribution (50%)	543,227
City Contribution (25%)	271,614

Grant Summary	
Grant - RRG Improvement	(6,000,000)
Grants - Roads to Recovery Program	(2,643,094)
Direct Grant	(297,100)
Total	(8,940,194)

WP Stage 3 invoices	211,710	169,368
Total	12,946,865	9,768,345

Breakdown of 499		
Stage 2 major Utilities	2,765,459	2,146,608
WP - Stage 3	211,710	169,368
Street lighting	320,874	272,738
Minor utilities	56,966	56,966
Miscellaneous	501,826	324,329

Aldenham Roundabout actual cost pro-rata basis (=104m/2388m)	SRRd Stage 1 & 2 (without o/h)		SRRd Stage 3 Actual as at 30/06/20 (without o/h)	Stage 3 outstanding as at 30/06/20 (without o/h)
5,611	123,234	Survey	66,346	5,288
37,372	820,748	Traffic Management	331,601	53,318
49,201	1,080,523	Earthwork	575,875	
72,385	1,589,677	Pavement	832,147	
9,528	209,249	Kerbing	81,176	17,568
43,607	957,674	Asphalt surfacing/ Primer seal	495,011	29,387
24,997	548,963	Drainage	323,929	
16,240	356,661	Streetscaping	4,453	261,008
-	165,917	Paths	39,613	125,949
11,878	260,860	Street lighting		392,396
2,481	54,485	Utility relocations minor	22,716	8,553
-	2,146,608	Utility relocations major	2,330,725	
44,034	967,044	Miscellaneous	199,359	136,027
317,333	9,281,644	Total for Stage 3	5,302,951	1,029,493
317,333	6,969,120	Total cost excluding major Utility relocations and Paths	2,932,613	903,544
	1,080,523	Earthworks	575,875	-
	5,888,596	Other Roadworks	2,356,738	903,544
		Earthworks SRP3 only	287,938	-
	2,012,411	Other Roadworks SRP only	589,184	225,886
	2,012,411	contribution (50% "Earthworks" + 25% "Other Roadworks")	877,122	225,886
	2,944,298	contribution (50% "Earthworks" + 75% "Other Roadworks")	2,055,491	677,658
		Total Grants	(5,153,609)	
		less overheads	1,433,408	
		Major utilities	1,165,362	
		less COG contribution	2,733,149	
		Grant discount available for Dev Contributions		Nil
		SRP 3 contribution for Southern River Rd Stage 3		1,103,008
		COG contribution for Southern River Rd Stage 3		2,733,149
		Utilities relocation contribution 50% - SRP3		1,165,362
		Utilities relocation contribution 50% - City		1,165,362
		SRP 3 contribution for Southern River Rd Stages 1,2 & 3		2,512,874
		SRP 3 contribution for Aldenham Roundabout		158,666
		SRP 3 contribution for Holmes St Roundabout		543,227
		SRP 3 contribution for Major Utility locations Stages 1,2 & 3		2,340,225

Grant Summary	
Grant - RRG Improvement	(3,840,000)
Grant - RRG Improvement outstanding	(960,000)
Direct Grant	(353,609)
Reimbursements - Capital	(64,436)

Stage 3 minor utilities	
Total Function 4	98514.19
major utilities	75,798.50
minor utilities	22,715.69

SOUTHERN RIVER ROAD STAGE 3 ESTIMATE					
The estimate for providing Road, Drainage, Path and Power infrastructure for Stage 3 of Southern River Road					

PRELIMINARIES, SITEWORKS & EARTHWORKS						
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL	
Preliminaries	PSEa4	Location and Protection of existing services	1.00	item		\$3,500.00
	PSEa6	Survey - Pick up (contract)	1	item		\$350.00
	PSEa7	Survey	84	hrs		\$4,457.00
	PSEa8	Supervision	80	hrs		\$4,241.36
	PSEa10	ATCO Gas safety spotter	5	days		\$4,275.00
		Traffic Management - Signs	6	ea		\$270.00
	PSEa11	Traffic Management (in accordance with Approved Traffic Management Plan)	38	days		\$47,200.94
Preliminaries Subtotal					\$64,294.30	
Siteworks	PSEb4	Job Clean up	42	hrs		\$15,192.00
	PSEb5	Sweeping of roads	13	hrs		\$4,863.30
Siteworks Subtotal					\$20,055.30	
Earthworks	PSEe1	Waste Disposal - concrete	50	t		\$500.00
	PSEe6	Landscaping	2	item		\$121,180.00
Earthworks Subtotal					\$121,680.00	
TOTAL					\$206,029.60	

ROADWORKS						
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL	
Roadworks	Ra7	Prime seal 7mm	230	m2		\$1,575.50
	Ra8	40mm AC14 Black asphalt	25	t		\$10,750.00
	Ra9	40mm AC14 Red	18	t		\$7,722.00
	Ra10	Asphalt cutting - Tie into existing	75	m		\$1,388.25
	Ra12	Faux brick	1800	m2		\$116,100.00
	Ra14	Asphalt compaction test	1	item		\$800.00
	Ra16	Kerb Type - Flush	5	m		\$209.00
	Ra18	Kerb Type - Semi Mountable	810	m		\$15,511.50
	Ra19	e/o key kerbing	1	ea		\$250.00
	Ra22	Barrier/beam	3	item		\$67,938.00
	Ra23	Line Marking and signage	1.0	item		\$31,339.95
	Ra24	Line Grinding	100.0	m2		\$5,066.00
	ROADWORKS TOTAL					\$258,650.20

SHARED PATHS						
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL	
Paths	FPa1	100mm thick Concrete 25mpa	2130	m2		\$84,774.00
	FPa2	Pram ramps including tactile indicators	57	ea		\$29,725.00
SHARED PATHS TOTAL					\$114,499.00	

POWER AND LIGHTING						
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL (\$)	
Power & Lighting	Pa34	Western Power fees and charges		no.		\$356,724.00
UNDERGROUND POWER TOTAL					\$356,724.00	

SOUTHERN RIVER ROAD SUBTOTAL	\$935,902.80
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	Provisional Sums (allow 5%)	0%	item	\$935,902.80	\$0.00
	Contingency (allow 10%)	10%	item	\$935,902.80	\$93,590.28

SOUTHERN RIVER ROAD TOTAL	\$1,029,493.08
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SOUTHERN RIVER ROAD - PRELIMINARY ROUNDABOUT TO FULL UPGRADE DESIGN ROUNDABOUT
 The costings for providing Road, Drainage, Path and Power infrastructure for the roundabout at Southern River Road

PRELIMINARIES, SITEWORKS & EARTHWORKS					
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL
Preliminaries	PSEa4	Location and Protection of existing services		item	\$16,837.80
	PSEa6	Survey		item	\$8,300.00
	PSEa7	Supervision	619	hrs	\$28,889.64
	PSEa10	Traffic Management - Planning	109	hrs	\$7,099.35
	PSEa11	Traffic Management (in accordance with Approved Traffic Management Plan)	73	days	\$223,429.14
Preliminaries Subtotal					\$284,555.93
Siteworks	PSEb6	Job clean up	4220.00	m2	\$6,752.00
	Siteworks Subtotal				
Earthworks	PSEe5	Fill Sand		m3	\$37,354.22
	PSEe6	Fill Sand behind Kerb	949	m	\$8,733.17
	PSEe7	Waste Disposal	100	m2	\$719.52
	PSEe8	Waste Disposal	1716	t	\$84,444.14
	PSEe9	Waste Disposal - kerbing	1152	m	\$8,600.73
Earthworks Subtotal					\$139,851.78
TOTAL					\$431,159.71

ROADWORKS					
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL
Roadworks	Ra3	Sub Base - 100mm limestone	555	m3	\$28,233.61
	Ra5	Base Course - 250mm crushed rock	555	m3	\$34,910.61
	Ra7	Water Bind Box 0.45m	2777	m2	\$6,085.41
	Ra8	Water Bind Limestone 0.20m	2777	m2	\$12,170.83
	Ra9	Water Bind Roadbase 0.20m	2777	m2	\$12,170.83
	Ra10	Prime seal 7mm	7125	m2	\$18,880.48
	Ra11	40mm AC14 Black asphalt	737	t	\$98,341.42
	Ra13	Asphalt cutting - Tie into existing	51	m	\$944.01
	Ra14	Rip Pavement	967	m2	\$731.51
	Ra15	Profiling of pavement	6157	m2	\$8,145.91
	Ra16	Profiling Removal	308	m3	\$1,920.90
	Ra17	Faux brick	1058	m2	\$97,793.56
	Ra22	Kerb Type - Mountable	107	m	\$2,300.50
	Ra23	Kerb Type - Semi Mountable	949	m	\$21,352.50
	Ra24	Island Buffers	10	ea	\$370.00
	Ra25	Kerbing Handwork	12	ea	\$192.00
	Ra28	Traffic barrier complete	139	m2	\$19,460.00
Ra29	Removal of Safety Barrier		item	\$5,000.00	
ROADWORKS TOTAL					\$369,004.08

DRAINAGE					
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL
Drainage	Da8	225mm	4	m	\$713.44
	Da9	300mm° class 2 RCP	2	m	\$200.02
	Da27	Side entry pit - complete	2	no.	\$4,066.76
	Da30	Headwall	1	no.	\$659.67
	Da31	Swale	1	item	\$10,000.00
DRAINAGE TOTAL					\$15,639.89

SHARED PATHS					
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL
Paths	FPa1	100mm thick Concrete 25mpa	342	m2	\$13,259.34
	FPa2	Pram ramps including tactile indicators	515	no.	\$13,348.40
SHARED PATHS TOTAL					\$26,607.74

POWER AND LIGHTING					
ITEM	DESCRIPTION	QTY	UNIT	RATE (\$)	TOTAL (\$)
Power & Lighting	Pa34	Western Power fees and charges		no.	\$98,241.00
UNDERGROUND POWER TOTAL					\$98,241.00

SOUTHERN RIVER SUB TOTAL					\$940,652.42
	Provisional Sums (allow 5%)	5%	item	\$940,652.42	\$47,032.62
	Contingency (allow 10%)	10%	item	\$987,685.04	\$98,768.50
SOUTHERN RIVER TOTAL					\$1,086,453.55