PROJECT NAME	Lake Argyle Road Culvert, 33.5slk	FILE	25_004	Calc O/H	100.00% (estimate 20/06/2019, discussed with Vern)
		JOB NUMBER			
AUTHOR	Paul Webb	DATE	21/01/2025		

	Quantity	Item	Labour	Man O/H	Man Total	Weight	W/Total (t)	Price	Unit type	Cost	Total O/H
Shire Works Crew											
	80	Labour P&G L/H	$ 33.44	$ 33.44	$ 66.87				hr	$ 5,349.82	$ 2,674.91
	160	Labour P&G	$ 30.98	$ 30.98	$ 61.96				hr	$ 9,914.24	$ 4,957.12
	0	Labour P&G	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour P&G	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour P&G	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour P&G	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour Maintenance L/H	$ 33.44	$ 33.44	$ 66.87				hr	$ -	$ -
	0	Labour Maintenance	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour Maintenance	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0	Labour Maintenance	$ 30.98	$ 30.98	$ 61.96				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
	0		$ -	$ -	$ -				hr	$ -	$ -
sub hours	240								sub cost	15264.064	Total O/H $7,632.03
Shire Plant											
											Reserve
	8	Grader						$ 100.00	hr	$ 800.00	
	40	Front End Loader						$ 100.00	hr	$ 4,000.00	
	0	Skid Steer Loader						$ 100.00	hr	$ -	
	0	Truck 4 Tonne						$ 60.00	hr	$ -	
	80	Truck 13 Tonne						$ 60.00	hr	$ 4,800.00	
	0	Truck 2.5 Tonne						$ 40.00	hr	$ -	
	40	Water tanker							hr	$ -	
	80	Ute 1 Tonne						$ 13.00	hr	$ 1,040.00	
	0	Tractor						$ 60.00	hr	$ -	
	0	Vibe Roller						$ 25.00	hr	$ -	
	40	Multi Tyred Roller						$ 25.00	hr	$ 1,000.00	
	0	Pedestrian Roller						$ 5.00	hr	$ -	
	8	Road broom						$ 50.00	hr	$ 400.00	
	0	Road sweeper						$ 50.00	hr	$ -	
	0	Tree saw						$ 21.00	hr	$ -	
	80	Excavator						$ 25.00	hr	$ 2,000.00	
	0	Towed slasher mover						$ 15.00	hr	$ -	
	0	Trailer						$ 15.00	hr	$ -	
	0	Brush cutter						$ 10.00	hr	$ -	
	0	Chainsaw						$ 10.00	hr	$ -	
	0	Boomspray						$ 8.00	hr	$ -	
	0	Welder						$ 5.00	hr	$ -	
	8	Concrete saw						$ 11.00	hr	$ 88.00	
	0	Telehandler						$ 25.00	hr	$ -	
	0	Trailer mounted equipment						$ 20.00	hr	$ -	
sub hours	384							sub cost		*$ 14,128.00*	
Contractors											
Date of price		Material	Note					price			
McDowell 2017	0	Prelim/mobilisation/demob						$ 30,000.00	total	$ -	
McDowell 2017	2	Traffic Management						$ 20,000.00	total	$ 40,000.00	
McDowell 2017	0	Remove existing seal						$ 6.25	m²	$ -	
McDowell 2017	0	Remove existing kerb and footpath						$ 120.00	l/m	$ -	
McDowell 2017	0	Excavate Load, Haul and Compact						$ 6.25	m³	$ -	
McDowell 2017	216	Fill Gravel						$ 70.00	m³	$ 15,120.00	
McDowell 2017	0	Subgrade preparation						$ 2.25	m²	$ -	
McDowell 2017	0	Gravel sub-base 200mm						$ 55.00	m²	$ -	
McDowell 2017	0	Gravel base course 100mm						$ 210.00	m²	$ -	
McDowell 2017	0	Primer seal						$ 5.50	m²	$ -	
McDowell 2017	0	14/7 Double seal						$ 18.50	m²	$ -	
McDowell 2017	0	Kerbing-Mountable with Channel						$ 165.00	l/m	$ -	
McDowell 2017	0	Kerbing-Barrier						$ 165.00	l/m	$ -	
McDowell 2017	0	Reinstate Crossovers (Concrete) Complete						$ 2,200.00	ea	$ -	
McDowell 2017	0	Reinstate Crossovers (Gravel) Complete						$ 1,500.00	ea	$ -	
McDowell 2017	0	Remove and dispose existing 450mmØ pipe						$ 160.00	l/m	$ -	
McDowell 2017	0	Remove existing drainage pits						$ 780.00	ea	$ -	
McDowell 2017	0	Supply and install Drainage Manhole 1050Ø						$ 5,700.00	ea	$ -	
McDowell 2017	0	Supply and install Drainage SEP 1050Ø						$ 6,800.00	ea	$ -	
McDowell 2017	0	Suppy and install GP 1050Ø						$ 6,800.00	ea	$ -	
McDowell 2017	0	Suppy and install Drainage Pipes 450Ø						$ 700.00	l/m	$ -	
McDowell 2017	0	Footpath install						$ 225.00	m²	$ -	
McDowell 2017	0	Pedestrian Ramp Complete						$ 5,000.00	ea	$ -	
McDowell 2017	0	Protect existing private property and/or road reserve						$ 3,000.00	1 off	$ -	
McDowell 2017	0	Restoration to existing road reserves and private property						$ 3,000.00	1 off	$ -	
McDowell 2017	0	Service location work						$ 2,000.00	1 off	$ -	
McDowell 2017	0	Testing						$ 1,500.00	1 off	$ -	
McDowell 2017	0	Service alterations						$ 5,000.00	1 off	$ -	
Rawlinsons	0	Blockwork 400x200x200						$ 342.00	m²	$ -	
Guerinoni 2021	0	Blockwork l/m one row high 0.240h						$ 248.17	l/m	$ -	
Rawlinsons	0	Brickpaving lift						$ 77.76	m²	$ -	
Rawlinsons	0	Brickpaving lay						$ 85.76	m²	$ -	
Guerinoni 2021	0	Remove and relay pavers						$ 225.34	m²	$ -	
Jason 2021	0	Barrier Rail W Beam						$ 276.60	l/m	$ -	
	0									$ -	
								sub cost		**$ 55,120.00**	
Materials											
Date of price		Material	Note					price			Reserve
	0	Gravel (own source)						$ 5.00	m³	$ -	
	21	Aggregate cracker						$ 150.00	m³	$ 3,150.00	
Estimated	2	Aggregate 7mm						$ 150.00	m³	$ 300.00	
	0	Aggregate 10mm							m³	$ -	
	0	Aggregate 14mm							m³	$ -	
	0	Aggregate 20mm							m³	$ -	
Karratha 2024	144	Cold spray emulsion						$ 8.00	ltr	$ 1,152.00	
Estimated	0	Asphalt						$ 30.00		$ -	
Estimated	30	Spalls (Laterite)						$ 70.00	m³	$ 2,100.00	
	0	Builders sand							m³	$ -	
IH 06/02/2018	0	Course grade sand						$ 73.00	m³	$ -	
	0	Cement Stabilised sand							m³	$ -	
KPH 06/02/2018	100	Cement 25mpa						$ 341.00	m³	$ 34,100.00	
	0	Cement del. Per km							km	$ -	
	0	100mm slotted geo pipe						$ 3.90	l/m	$ -	
	0	geo bidim A14						$ 1.20	m²	$ -	
Pipe 08/08/2022	0	300mmØ	Class 4			0.23	0	$ 319.14	2.34m	$ -	
	0	375mmØ	Class 2			0.31	0	$ 113.00	2.34m	$ -	
	0	450mmØ	Class 2			0.45	0	$ 165.00	2.34m	$ -	
	0	525mmØ	Class 2			0.53	0	$ 207.00	2.34m	$ -	
	0	600mmØ	Class 2			0.65	0	$ 254.00	2.34m	$ -	
	0	750mmØ	Class 2			1.07	0	$ 418.00	2.34m	$ -	
	0	900mmØ	Class 2			1.35	0	$ 527.00	2.34m	$ -	
	0	1050mmØ	Class 2			1.94	0	$ 631.00	2.44m	$ -	
	0	1200mmØ	Class 2			2.3	0	$ 824.00	2.44m	$ -	
Headwall 08/03/2	0	300mmØ single					0	$ 450.21	ea	$ -	
Liners 04/10/2017	0	900mmØ x 1200				0.48	0	$ 305.00	ea	$ -	
	0	1050mmØ x 1200				0.55	0	$ 328.00	ea	$ -	
	0	1200mmØ x 1200				0.61	0	$ 350.00	ea	$ -	
Base and lid	0	1250mm x 150mm base				0.4	0	$ 105.00	ea	$ -	
	0	JP lid N/Trafficable 1050Ø				0.27	0	$ 125.00	ea	$ -	
	0	JP lid N/Trafficable 1200Ø				0.36	0	$ 145.00	ea	$ -	
	0	GP 1200 x150 flush grate				0.4	0	$ 365.00	ea	$ -	
	0	GP 1200 x 150 R100				0.4	0	$ 400.00	ea	$ -	
	0	GP 1200 x 150 B/U				0.43	0	$ 450.00	ea	$ -	
	0	1200 Trafficable x 200mm				0.43	0	$ 535.00	ea	$ -	
	0	Combo SEP Flush				0.66	0	$ 646.00	ea	$ -	
	0	Combo SEP R25				0.66	0	$ 646.00	ea	$ -	
	0	Universal SEP complete				0.93	0	$ 677.00	ea	$ -	
	0	Universal SEP deflector only				0.74	0	$ 303.00	ea	$ -	
Boxes	0	300mm h x 600mmw				0.35	0	$ 164.00	1200mm	$ -	
	0					0.7	0	$ 328.00	2400mm	$ -	
	0	450mmh x 600mmw				0.42	0	$ 198.00	1200mm	$ -	
	0					0.84	0	$ 396.00	2400mm	$ -	
	0	600mmh x 600mmw				0.49	0	$ 229.00	1200mm	$ -	
	0					0.98	0	$ 458.00	2400mm	$ -	
	0	600mmw base				0.21	0	$ 101.00	1200mm	$ -	
	0					0.42	0	$ 202.00	2400mm	$ -	
	0	300mmh x 1200mmw				0.78	0	$ 374.00	1200mm	$ -	
	0	375mmH x 1200mmw				0.83	0	$ 398.00	1200mm	$ -	
	0	450mmh x 1200mmw				0.87	0	$ 418.00	1200mm	$ -	
	0					1.74	0	$ 836.00	2400mm	$ -	
	0	600mmh x 1200mmw				0.95	0	$ 456.00	1200mm	$ -	
	0					1.9	0	$ 912.00	2400mm	$ -	
	0	750mmh x 1200mmw				1.02	0	$ 490.00	1200mm	$ -	
	0					2.04	0	$ 980.00	2400mm	$ -	
	0	900mmh x 1200mmw				1.09	0	$ 523.00	1200mm	$ -	
	64	1200mmh x 1200mmw				1.21	77.44	$ 581.00	1200mm	$ 37,184.00	

sub cost	*$ 77,986.00*
Sub total	**$ 162,498.06**
GST	$ 178,747.87
Contingency 15%	$ 26,812.18
TOTAL	$ 205,560.05

######### **Remnant job cost after removal of O/H's**