

**SHIRE OF YARRA RANGES
ENGINEER'S ESTIMATE**

REFERENCE NO:

DATE:

8-Jun-22

PROJECT:

**WELHAM ROAD MOOROOLBARK
IMPROVEMENT WORKS SCS**

TOTAL COSTS:

\$328,200.00

Item	Description	Quantity	Unit	Rate	Amount
1	SITE PREPARATION/PRELIMINARIES				
1.1	Site establishment, set out and clean up, installation & maintaining sediment control, Environmental Management Plan, OH&S, Site Management Plan, Traffic Management Plan, Council permits, temporary fencing, setout, erection and maintenance of warning signs, lights and barriers.	1	Item	\$ 20,000.00	\$ 20,000.00
1.2	Provide a traffic management plan and traffic management in accordance with the VicRoads Roadworks Signing Code of Practice (AS 1742.3).	1	Item	\$ 10,000.00	\$ 10,000.00
2	REMOVAL WORKS				
2.1	Remove existing culverts under driveway crossovers	8	ea	\$ 500.00	\$ 4,000.00
2.2	Tree removals (large pine tree).	1	ea	\$ 25,000.00	\$ 25,000.00
3	EARTHWORKS				
3.1	Earthworks - Cut to subgrade level and reuse on site	45	m3	\$ 50.00	\$ 2,250.00
3.2	Earthworks - Cut to waste	25	m3	\$ 60.00	\$ 1,500.00
3.3	Compact and proof roll subgrade (or existing sheeted surface)	440	m2	\$ 4.00	\$ 1,760.00
4	DRAINAGE				
4.1	Supply & Install Subsurface Drains	300	m	\$ 80.00	\$ 24,000.00
5	DRAINAGE PITS				
5.1	Supply and Install Side Entry Pit	2	ea	\$ 3,000.00	\$ 6,000.00
5.2	Convert Existing Side Entry Pit to Junction Box	2	ea	\$ 1,000.00	\$ 2,000.00
6	CONCRETE WORKS				
6.1	Rollover Kerb and Channel	300	m	\$ 120.00	\$ 36,000.00
6.2	Spoon Drain	20	m	\$ 120.00	\$ 2,400.00
7	ROAD PAVEMENT				
7.1	150mm Class 2 Crushed Rock Layer	240	tonne	\$ 90.00	\$ 21,600.00
7.2	Additional 150mm 3% Cement Treated Crushed Rock (CTCR) Layer	95	tonne	\$ 100.00	\$ 9,500.00
7.3	40mm Asphalt Base Layer	660	sq. m	\$ 40.00	\$ 26,400.00
7.4	30mm Asphalt Wearing Course	660	sq. m	\$ 30.00	\$ 19,800.00
8	VEHICLE CROSSINGS				
8.1	Reinstate gravel driveway	7	ea	\$ 500.00	\$ 3,500.00
8.2	Reinstate Asphalt Driveway	1	ea	\$ 2,500.00	\$ 2,500.00
8.3	Reinstate Concrete Driveways	5	ea	\$ 3,000.00	\$ 15,000.00
9	LANDSCAPING				
9.1	Regrade and re-topsoil nature strip to an even depth of 50mm with imported local topsoil and grass seeds as specified.	1	item	\$ 6,000.00	\$ 6,000.00
10	PAVEMENT MARKING				
10.1	Supply and temporary linemarking as noted in the specification and on the drawings.	1	item	\$ 500.00	\$ 500.00
10.2	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,200.00	\$ 1,200.00
11	ANCILLARY WORKS				
11.1	Supply and install road signs as shown on plans, as directed by Council's Superintendent.	1	No.	\$ 150.00	\$ 150.00
12	PROVISIONAL ITEMS				

12.1	Excavation of soft or unsuitable subgrade, backfill and compacted with 150mm compacted depth of size 20mm Class 2 crushed rock, as specified. This item includes pavement subbase for new pavement areas.	150	sq.m	\$ 60.00	\$ 9,000.00
12.2	Excavation of soft or unsuitable subgrade, backfill and compacted with 100mm compacted depth of 3% size 20mm Class 3 cement treated crushed rock, as specified. This item includes pavement subbase for new pavement areas.	150	sq.m	\$ 50.00	\$ 7,500.00
12.3	Provision of as constructed plans to Council.	1	Item	\$ 1,500.00	\$ 1,500.00
12.4	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 3,500.00	\$ 3,500.00
SUB-TOTAL					\$262,560.00
	Scheme preparation, supervision, administration etc. 5%				\$ 13,128.00
	Engineer Consultants and other Costs 5%				\$ 13,128.00
	Tree Management (Arborist Assessment, Tree Offsets) 5%				\$ 13,128.00
	Contingency sum 10%				\$ 26,256.00
TOTAL SCHEME COST (ex. GST)					\$328,200.00