

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

REFERENCE NO:

DATE:

8-Jun-22

PROJECT:

**EMERY LANE MONTROSE  
IMPROVEMENT WORKS SCS**

TOTAL COSTS:

**\$382,012.50**

Item	Description	Quantity	Unit	Rate	Amount
<b>1</b>	<b>SITE PREPARATION/PRELIMINARIES</b>				
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
<b>2</b>	<b>REMOVAL WORKS</b>				
2.1	Remove existing bollards	3	ea	\$ 100.00	\$ 300.00
2.2	Tree removals	1	item	\$ 23,000.00	\$ 23,000.00
<b>3</b>	<b>EARTHWORKS</b>				
3.1	Earthworks - Cut to subgrade level and reuse on site	10	m3	\$ 50.00	\$ 500.00
3.2	Compact and proof roll subgrade (or existing sheeted surface)	700	m2	\$ 4.00	\$ 2,800.00
3.3	Earthworks - Import to fill	120	m3	\$ 55.00	\$ 6,600.00
<b>4</b>	<b>DRAINAGE</b>				
4.1	375mm diameter Class 3 RCP Pipe	13	m	\$ 340.00	\$ 4,420.00
4.2	Supply & Install Subsurface Drains	375	m	\$ 80.00	\$ 30,000.00
4.3	Supply & Install Intermediate Subsurface Drainage Pits	2	ea	\$ 1,000.00	\$ 2,000.00
<b>5</b>	<b>DRAINAGE PITS</b>				
5.1	Supply and Install Side Entry Pit	2	ea	\$ 3,000.00	\$ 6,000.00
5.2	Break into existing pit	1	ea	\$ 1,000.00	\$ 1,000.00
<b>6</b>	<b>CONCRETE WORKS</b>				
6.1	Rollover Kerb and Channel	375	m	\$ 120.00	\$ 45,000.00
6.2	Edge strip	18	m	\$ 60.00	\$ 1,080.00
<b>7</b>	<b>ROAD PAVEMENT</b>				
7.1	150mm Class 2 Crushed Rock Layer	294	tonne	\$ 90.00	\$ 26,460.00
7.2	Additional 150mm 3% Cement Treated Crushed Rock (CTCR) Layer	57	tonne	\$ 100.00	\$ 5,700.00
7.3	40mm Asphalt Base Layer	800	sq. m	\$ 40.00	\$ 32,000.00
7.4	30mm Asphalt Wearing Course	800	sq. m	\$ 30.00	\$ 24,000.00
<b>8</b>	<b>VEHICLE CROSSINGS</b>				
8.1	Upgrade Existing Gravel Driveways and Footpath to Asphalt	120	m2	\$ 100.00	\$ 12,000.00
8.2	Reinstate Concrete Driveways	5	ea	\$ 3,000.00	\$ 15,000.00
<b>9</b>	<b>LANDSCAPING</b>				
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
<b>10</b>	<b>PAVEMENT MARKING</b>				
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
<b>11</b>	<b>ANCILLARY WORKS</b>				
11.1	Supply and install road signs as shown on plans, as directed by Council's Superintendent.	7	No.	\$ 150.00	\$ 1,050.00
11.2	Supply and install timber bollards as shown on plans, as directed by Council's Superintendent.	3	No.	\$ 250.00	\$ 750.00

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.	200	sq.m	\$ 60.00	\$ 12,000.00
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.	200	sq.m	\$ 50.00	\$ 10,000.00
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
12.5	Rock Excavation	5	m3	\$ 250.00	\$ 1,250.00
<b>SUB-TOTAL</b>					\$305,610.00
	Scheme preparation, supervision, administration etc. 5%				\$ 15,280.50
	Engineer Consultants and other Costs 5%				\$ 15,280.50
	Tree Management (Arborist Assessment, Tree Offsets) 5%				\$ 15,280.50
	Contingency sum 10%				\$ 30,561.00
				<b>TOTAL SCHEME COST (ex. GST)</b>	<b>\$382,012.50</b>