

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

REFERENCE NO:

DATE:

8-Jun-22

PROJECT:

**BRETBY WAY MONTROSE  
IMPROVEMENT WORKS SCS**

TOTAL COSTS:

**\$488,170.00**

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 culverts under driveway crossovers	4	ea	\$ 500.00	\$ 2,000.00
2.2	Tree removals (including stumps)	1	item	\$ 32,000.00	\$ 32,000.00
<b>3</b>	<b>EARTHWORKS</b>				
3.1	Earthworks - Cut to subgrade level and reuse on site	125	m3	\$ 50.00	\$ 6,250.00
3.2	Earthworks - Cut to waste	24	m3	\$ 60.00	\$ 1,440.00
3.3	Compact and proof roll subgrade (or existing sheeted surface)	1194	m2	\$ 4.00	\$ 4,776.00
<b>4</b>	<b>DRAINAGE</b>				
4.1	375mm diameter Class 3 RCP Pipe	7	m	\$ 340.00	\$ 2,380.00
4.2	Supply & Install Subsurface Drains	626	m	\$ 80.00	\$ 50,080.00
4.3	Supply & Install Intermediate Subsurface Drainage Pits	4	ea	\$ 1,000.00	\$ 4,000.00
<b>5</b>	<b>DRAINAGE PITS</b>				
5.1	Supply and Install Side Entry Pit	1	ea	\$ 3,000.00	\$ 3,000.00
5.2	Supply and Install Grated Inlet Pit	1	ea	\$ 3,000.00	\$ 3,000.00
5.3	Convert Existing Grated Inlet Pit to Junction Box	1	ea	\$ 1,000.00	\$ 1,000.00
<b>6</b>	<b>CONCRETE WORKS</b>				
6.1	Rollover Kerb and Channel	440	m	\$ 120.00	\$ 52,800.00
6.2	Barrier Kerb and Channel	14	m	\$ 120.00	\$ 1,680.00
6.3	Spoon Drain	13	m	\$ 120.00	\$ 1,560.00
6.4	Edge strip	172	m	\$ 60.00	\$ 10,320.00
<b>7</b>	<b>ROAD PAVEMENT</b>				
7.1	150mm Class 2 Crushed Rock Layer	430	tonne	\$ 90.00	\$ 38,700.00
7.2	Additional 150mm 3% Cement Treated Crushed Rock (CTCR) Layer	67	tonne	\$ 100.00	\$ 6,700.00
7.3	40mm Asphalt Base Layer	1180	sq. m	\$ 40.00	\$ 47,200.00
7.4	30mm Asphalt Wearing Course	1180	sq. m	\$ 30.00	\$ 35,400.00
<b>8</b>	<b>VEHICLE CROSSINGS</b>				
8.1	Reinstate gravel driveway	11	ea	\$ 500.00	\$ 5,500.00
8.2	Reinstate Asphalt Driveway	2	ea	\$ 2,500.00	\$ 5,000.00
8.3	Reinstate Concrete Driveways	1	ea	\$ 3,000.00	\$ 3,000.00
<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.	12	No.	\$ 150.00	\$ 1,800.00
<b>12</b>	<b>PROVISIONAL ITEMS</b>				
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	25	m3	\$ 250.00	\$ 6,250.00
	<b>SUB-TOTAL</b>				<b>\$390,536.00</b>
	Scheme preparation, supervision, administration etc. 5%				\$ 19,526.80
	Engineer Consultants and other Costs 5%				\$ 19,526.80
	Tree Management (Arborist Assessment, Tree Offsets) 5%				\$ 19,526.80
	Contingency sum 10%				\$ 39,053.60
				<b>TOTAL SCHEME COST (ex. GST)</b>	<b>\$488,170.00</b>