

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

REFERENCE NO:

DATE:

21-Jun-22

PROJECT:

**AUSTRAL AVENUE  
UPWEY IMPROVEMENT WORKS SCS**

TOTAL COSTS:

**\$297,856.25**

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	\$ 10,000.00	\$ 10,000.00
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	Grubbing and clearing including sawcutting, taking up, removal and/or salvage of all existing redundant concrete, pipework, endwalls, guide posts, retaining walls, pits, trees, planting, etc. as specified.	1	Item	\$ 5,000.00	\$ 5,000.00
<b>3</b>	<b>EARTHWORKS</b>				
	Earthworks including excavation, forming, grading, boxing, filling, trimming, compaction of sub-grade, lowering of all private services, provision of access at existing driveway entrances, as directed and specified.				
3.1	Fill - solid	150	m3	\$ 70.00	\$ 10,500.00
<b>4</b>	<b>DRAINAGE</b>				
4.1	100mm dia. Class 400 agricultural drain behind new kerbing, including pit connections as per subsoil drainage Y.R.C SD/D4	126	Lin.m	\$ 40.00	\$ 5,040.00
4.2	Connect property drains to rollover kerb and channel	6	No.	\$ 150.00	\$ 900.00
<b>5</b>	<b>DRAINAGE PITS</b>				
5.1	Construct Side Entry Pit	3	No.	\$ 2,500.00	\$ 7,500.00
5.2	Construct Junction Pit	4	No.	\$ 2,250.00	\$ 9,000.00
5.3	Construct Grated Side Entry Pit	7	No.	\$ 2,750.00	\$ 19,250.00
<b>6</b>	<b>ROAD PAVEMENT</b>				
6.1	Supply and spread variable depth Size 20mm Class 2, Crushed Rock to make up levels where required and compact to 200mm below the design finish levels.	70	Tonne	\$ 50.00	\$ 3,500.00
6.2	Supply, lay, spread and compact 130mm compacted depth 20mm class 2 crushed rock subbase course.	995	m <sup>2</sup>	\$ 25.00	\$ 24,875.00
6.3	Strip existing table drain and backfill with variable depth of compacted layer of 3% cement treated 20mm class 3 crushed rock	30	m3	\$ 120.00	\$ 3,600.00
6.4	Supply, lay, spread and compact 40mm compacted depth nom. size 14mm Type H Class 170 asphalt base course.	995	m <sup>2</sup>	\$ 40.00	\$ 39,800.00

6.5	Supply, lay, spread and compact 30mm compacted depth nom. size 10mm Type H Class 170 asphalt wearing course.	995	m <sup>2</sup>	\$ 30.00	\$ 29,850.00
<b>7</b>	<b>VEHICLE CROSSINGS</b>				
7.1	Reinstate existing gravel driveways to match finished surface levels.	87	m <sup>2</sup>	\$ 30.00	\$ 2,610.00
7.2	Reinstate existing asphalt driveways to match finished surface levels.	20	m <sup>2</sup>	\$ 100.00	\$ 2,000.00
7.3	Reinstate existing concrete driveways to match finished surface levels.	50	m <sup>2</sup>	\$ 150.00	\$ 7,500.00
<b>8</b>	<b>CONCRETE KERB AND CHANNEL</b>				
8.1	Supply all materials and construct concrete rollover kerb and channel cast-in-situ, inclusive of all vehicular openings and pram crossings placed where directed, laid on 50mm compacted thickness of approved bedding material. All as per SD/B1.	253	Lin.m	\$ 120.00	\$ 30,360.00
<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	\$ 5,000.00	\$ 5,000.00
<b>10</b>	<b>PAVEMENT MARKING</b>				
10.1	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,000.00	\$ 1,000.00
<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.	100	sq.m	\$ 60.00	\$ 6,000.00
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.	50	sq.m	\$ 50.00	\$ 2,500.00
12.3	Provision of as constructed plans to Council.	1	Item	\$ 1,000.00	\$ 1,000.00
12.4	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 1,500.00	\$ 1,500.00
	<b>SUB-TOTAL</b>				\$238,285.00
	Scheme preparation, supervision, administration etc. 5%				\$ 11,914.25
	Engineer Consultants and other Costs 5%				\$ 11,914.25
	Tree Management (Arborist Assessment, Tree Offsets) 5%				\$ 11,914.25
	Contingency sum 10%				\$ 23,828.50
	<b>TOTAL SCHEME COST</b>				<b>\$297,856.25</b>