

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

REFERENCE NO:

DATE:

30-May-22

PROJECT:

**PARK STREET GROUP
WANDIN NORTH IMPROVEMENT WORKS SCS**

TOTAL COSTS:

\$2,600,164.95

AMOUNT CHARGEABLE:

COUNCIL COSTS:

AVAILABLE FUNDS:

ACCOUNT No.

Item	Description	Quantity	Unit	Rate	Amount
1	PARK STREET				
1.1	PRELIMINARIES				
1.1.1	Site establishment, set out and clean up, installation & maintaining sediment control, Environmental Management Plan, OH&S, Site Management Plan, Council permits, temporary fencing, setout, erection and maintenance of warning signs, lights and barriers.	1	item	\$ 5,000.00	\$ 5,000.00
1.1.2	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
1.1.3	Allowance for Contractor to expose and prove services on-site as required, prior to commencement of works.	1	Item	\$ 3,500.00	\$ 3,500.00
1.2	DEMOLITION				
1.2.1	Sawcut existing asphalt pavement where adjoining new full depth pavement	22	lin.m.	\$ 20.00	\$ 440.00
1.2.2	Remove and dispose of redundant pipes, culverts and associated structures.	103	lin.m.	\$ 50.00	\$ 5,150.00
1.2.3	Remove and dispose of existing trees and areas of vegetation as per detail plans under direction by Council superintendent	2	No.	\$ 1,500.00	\$ 3,000.00
1.3	EARTHWORKS				
1.3.1	Cut to Fill (Existing road base) - assumes all material suitable for re-use	10	Cub.m	\$ 50.00	\$ 500.00
1.3.2	Cut to Fill (Batters) - assumes all material suitable for re-use	10	Cub.m	\$ 50.00	\$ 500.00
1.3.3	Cut to Dispose - from pavement area, road side area and road batter	305	Cub.m	\$ 30.00	\$ 9,150.00
1.4	DRAINAGE				
1.4.1	300mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	16	lin.m.	\$ 320.00	\$ 5,120.00
1.4.2	300mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	92	lin.m.	\$ 280.00	\$ 25,760.00
1.4.3	300mm x 300mm Box Culvert . Crushed rock backfill.	22	lin.m.	\$ 620.00	\$ 13,640.00
1.4.4	150mm sewer quality PVC pipe, including fittings to connect to nature strip trapped low-point grated pits or property connections.	24	lin.m.	\$ 150.00	\$ 3,600.00
1.4.5	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	273	lin.m.	\$ 45.00	\$ 12,285.00
1.4.6	Reconnection of existing property connections to new drainage as per Council standard.	4	No.	\$ 900.00	\$ 3,600.00

Item	Description	Quantity	Unit	Rate	Amount
1.4.7	Clean and grade existing table drain into pipe at Beenak Road	1	Item	\$ 1,000.00	\$ 1,000.00
1.5	DRAINAGE PITS				
1.5.1	600mm x 900mm Side Entry Pit as shown on the plans to Council standard drawing SD/P1,	4	No.	\$ 2,500.00	\$ 10,000.00
1.5.2	600mm x 1200mm Side Entry Pit as shown on the plans to Council standard drawing SD/P2,	1	No.	\$ 2,750.00	\$ 2,750.00
1.5.3	600mm x 900mm Grated Side Entry Pit as shown on the plans to Council standard drawing SD/P3,	3	No.	\$ 2,750.00	\$ 8,250.00
1.5.4	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class D Heavy Duty Gatic type lid.	1	No.	\$ 2,250.00	\$ 2,250.00
1.5.5	Driveable Endwall to VicRoads standard SD/1991 to suit 300mm pipe including rock beaching	2	No.	\$ 2,500.00	\$ 5,000.00
1.5.6	Modify existing side entry pit to suit proposed kerb	1	No.	\$ 1,200.00	\$ 1,200.00
1.5	CONCRETE KERB AND CHANNEL				
1.5.1	600mm rollover kerb and channel to Council standard SD/B1 including excavation of bedding and min. 50mm depth crushed rock bedding	525	lin.m.	\$ 110.00	\$ 57,750.00
1.5.2	600mm M2 kerb and channel to Council standard SD/B2 including excavation of bedding and min. 50mm depth crushed rock bedding	21	lin.m.	\$ 120.00	\$ 2,520.00
1.6	ROAD PAVEMENT				
1.6.1	Prepare existing subgrade (granular material) for road construction, including compaction to 95% standard MDD	1517	sq.m.	\$ 2.00	\$ 3,034.00
1.6.2	Base course- 130mm compacted depth of 20mm nominal size class 2 F.C.R	1109	sq.m.	\$ 20.00	\$ 22,180.00
1.6.3	Sub base course (pavement widening) - 150mm compacted depth of 3% cement treated crushed rock	116	sq.m.	\$ 30.00	\$ 3,480.00
1.6.4	Asphalt wearing course - 30mm compacted depth of 10mm nominal size Type H Asphalt	1109	sq.m.	\$ 20.00	\$ 22,180.00
1.6.5	Asphalt wearing course - 40mm compacted depth of 14mm nominal size Type H Asphalt	1109	sq.m.	\$ 28.00	\$ 31,052.00
1.6.6	Crack seal joints between new and existing road pavement with SBS rubber modified cationic emulsion or approved equivalent.	1	item	\$ 1,200.00	\$ 1,200.00
1.7	VEHICLE CROSSINGS				
1.7.1	Reinstatement and regrading of gravel crossings, including allowance for 100mm crushed rock	331	sq.m	\$ 20.00	\$ 6,620.00
1.7.2	Supply all materials, plant and labour and construct standard concrete vehicle crossing to Council standard SD/C2, including excavation and min. 50mm compacted depth of crushed rock bedding.	25	sq.m.	\$ 150.00	\$ 3,750.00
1.7.3	Supply all materials, plant and labour and construct Commercial vehicle crossing to Council standard SD/C3, including excavation and min. 50mm compacted depth of crushed rock bedding.	50	sq.m.	\$ 180.00	\$ 9,000.00
1.8	LANDSCAPING				
1.8.1	Topsoiling and seeding (including 100mm depth of topsoil)	948	sq.m	\$ 10.00	\$ 9,480.00

Item	Description	Quantity	Unit	Rate	Amount
1.9	PAVEMENT MARKING				
1.9.1	Supply and temporary linemarking as noted in the specification and on the drawings.	1	item	\$ 750.00	\$ 750.00
1.9.2	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,500.00	\$ 1,500.00
1.10	ANCILLARY WORKS				
1.10.1	Supply of all materials, plant and labor and install new signage, as specified on plans	5	No.	\$ 200.00	\$ 1,000.00
1.10.2	Supply all materials, plant and labour and construct pram crossing with TGSI's to Council standard SD/B4	3	No.	\$ 1,000.00	\$ 3,000.00
1.10.3	Supply all plant, materials and labour to construct asphalt footpath as per Council standard SD/B5	4	sq.m.	\$ 100.00	\$ 400.00
1.10.4	Install gravel behind kerb adjacent to Wandin North Reserve to formalise pedestrian access	1	Item	\$ 1,000.00	\$ 1,000.00
1.11	PROVISIONAL ITEMS				
1.11.1	Excavation and disposal of soft or unsuitable subgrade, backfill and compacted with size 20mm Class 3 cement treated 3% crushed rock, as directed by Council Supervisor. This item includes pavement subbase for new pavement areas.	110	cub.m	\$ 200.00	\$ 22,000.00
1.11.2	Modify existing sewer cover level to suit design pavement level and provide heavy duty driveable cover	1	No.	\$ 1,000.00	\$ 1,000.00
1.11.3	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	273	lin.m.	\$ 45.00	\$ 12,285.00
1.11.4	Supply all plant, materials and labour to remove rock or rock like substances from road boxing or drainage trenches.	10	cu.m	\$ 250.00	\$ 2,500.00
1.11.5	Provision of as constructed plans to Council.	1	Item	\$ 1,500.00	\$ 1,500.00
1.11.6	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 5,000.00	\$ 5,000.00
	SUB-TOTAL (PARK STREET)				\$355,876.00
2	NICHOLAS ROAD				
2.1	PRELIMINARIES				
2.1.1	Site establishment, set out and clean up, installation & maintaining sediment control, Environmental Management Plan, OH&S, Site Management Plan, Council permits, temporary fencing, setout, erection and maintenance of warning signs, lights and barriers.	1	item	\$ 5,000.00	\$ 5,000.00
2.1.2	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
2.1.3	Allowance for Contractor to expose and prove services on-site as required, prior to commencement of works.	1	Item	\$ 3,500.00	\$ 3,500.00
2.2	DEMOLITION				
2.2.1	Sawcut existing asphalt pavement where adjoining new full depth pavement	21	lin.m.	\$ 20.00	\$ 420.00

Item	Description	Quantity	Unit	Rate	Amount
2.2.2	Remove and dispose of redundant pipes, culverts and associated structures.	91	lin.m.	\$ 50.00	\$ 4,550.00
2.2.3	Remove and dispose of existing trees and areas of vegetation as per detail plans under direction by Council superintendent	2	No.	\$ 800.00	\$ 1,600.00
2.3	EARTHWORKS				
2.3.1	Cut to Fill (Existing road base) - assumes all material suitable for re-use	20	Cub.m	\$ 50.00	\$ 1,000.00
2.3.2	Cut to Fill (Batters) - assumes all material suitable for re-use	25	Cub.m	\$ 50.00	\$ 1,250.00
2.3.3	Cut to Dispose (Earth) - from road side area to road batter	500	Cub.m	\$ 30.00	\$ 15,000.00
2.4	DRAINAGE				
2.4.1	300mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	17	lin.m.	\$ 320.00	\$ 5,440.00
2.4.2	375mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	14	lin.m.	\$ 360.00	\$ 5,040.00
2.4.3	300mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	170	lin.m.	\$ 280.00	\$ 47,600.00
2.4.4	375mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	4	lin.m.	\$ 320.00	\$ 1,280.00
2.4.5	150mm sewer quality PVC pipe, including fittings to connect to nature strip trapped low-point grated pits or property connections.	9	lin.m.	\$ 150.00	\$ 1,350.00
2.4.6	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	285	lin.m.	\$ 45.00	\$ 12,825.00
2.4.7	Reconnection of existing property connections to new drainage as per Council standard.	13	No.	\$ 900.00	\$ 11,700.00
2.4.8	Clean and grade existing table drain into pipe at Beenak Road	1	Item	\$ 1,000.00	\$ 1,000.00
2.5	DRAINAGE PITS				
2.5.1	600mm x 900mm Side Entry Pit as shown on the plans to Council standard drawing SD/P1,	6	No.	\$ 2,500.00	\$ 15,000.00
2.5.2	600mm x 1200mm Side Entry Pit as shown on the plans to Council standard drawing SD/P2,	1	No.	\$ 2,750.00	\$ 2,750.00
2.5.3	600mm x 900mm Grated Side Entry Pit as shown on the plans to Council standard drawing SD/P3,	5	No.	\$ 2,750.00	\$ 13,750.00
2.5.4	600mm x 900mm Table Drain Inlet Pit as shown on the plans to Council standard drawing SD/P5,	1	No.	\$ 2,250.00	\$ 2,250.00
2.5.5	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class B terra firma type lid.	1	No.	\$ 2,250.00	\$ 2,250.00
2.5.6	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class D Heavy Duty Gatic type lid.	1	No.	\$ 2,750.00	\$ 2,750.00
2.5.7	Construct Endwall to VicRoads standard SD/1921 to suit 375mm pipe	1	No.	\$ 2,500.00	\$ 2,500.00
2.5.8	Break into existing pit and connect new drainage	3	No.	\$ 900.00	\$ 2,700.00

Item	Description	Quantity	Unit	Rate	Amount
2.5.9	Modify existing side entry pit to suit proposed kerb	1	No.	\$ 1,200.00	\$ 1,200.00
2.6	CONCRETE KERB AND CHANNEL				
2.6.1	600mm rollover kerb and channel to Council standard SD/B1 including excavation of bedding and min. 50mm depth crushed rock bedding	569	lin.m.	\$ 110.00	\$ 62,590.00
2.6.2	600mm M2 kerb and channel to Council standard SD/B2 including excavation of bedding and min. 50mm depth crushed rock bedding	20	lin.m.	\$ 120.00	\$ 2,400.00
2.7	ROAD PAVEMENT				
2.7.1	Prepare existing subgrade (granular material) for road construction, including compaction to 95% standard MDD	1680	sq.m.	\$ 5.00	\$ 8,400.00
2.7.2	Base course- 130mm compacted depth of 20mm nominal size class 2 F.C.R	1242	sq.m.	\$ 20.00	\$ 24,840.00
2.7.3	Sub base course (pavement widening) - 150mm compacted depth of 3% cement treated crushed rock	130	sq.m.	\$ 30.00	\$ 3,900.00
2.7.4	Asphalt wearing course - 30mm compacted depth of 10mm nominal size Type H Asphalt	1242	sq.m.	\$ 20.00	\$ 24,840.00
2.7.5	Asphalt base course - 40mm compacted depth of 14mm nominal size Type H Asphalt	1242	sq.m.	\$ 28.00	\$ 34,776.00
2.7.6	Crack seal joints between new and existing road pavement with SBS rubber modified cationic emulsion or approved equivalent.	1	item	\$ 1,200.00	\$ 1,200.00
2.8	VEHICLE CROSSINGS				
2.8.1	Reinstatement and regrading of gravel crossings, including allowance for 100mm crushed rock	425	sq.m	\$ 20.00	\$ 8,500.00
2.8.2	Supply all materials, plant and labour and construct Commercial vehicle crossing to Council standard SD/C3, including excavation and min. 50mm compacted depth of crushed rock bedding.	54	sq.m.	\$ 180.00	\$ 9,720.00
2.9	LANDSCAPING				
2.9.1	Topsoiling and seeding (including 100mm depth of topsoil)	1440	sq.m	\$ 10.00	\$ 14,400.00
2.10	PAVEMENT MARKING				
2.10.1	Supply and temporary linemarking as noted in the specification and on the drawings.	1	item	\$ 750.00	\$ 750.00
2.10.2	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,500.00	\$ 1,500.00
2.11	ANCILLARY WORKS				
2.11.1	Supply of all materials, plant and labor and install new signage, as specified on plans	1	No.	\$ 200.00	\$ 200.00
2.11.2	Supply all materials, plant and labour and construct pram crossing with TGSI's to Council standard SD/B4	2	No.	\$ 1,000.00	\$ 2,000.00
2.12	PROVISIONAL ITEMS				
2.12.1	Excavation and disposal of soft or unsuitable subgrade, backfill and compacted with size 20mm Class 3 cement treated 3% crushed rock, as directed by Council Supervisor. This item includes pavement subbase for new pavement areas.	125	cu.m	\$ 200.00	\$ 25,000.00

Item	Description	Quantity	Unit	Rate	Amount
2.12.2	Modify existing sewer cover level to suit design pavement level and provide heavy duty driveable cover	1	No.	\$ 1,000.00	\$ 1,000.00
2.12.3	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	284	No.	\$ 45.00	\$ 12,780.00
2.12.4	Supply all plant, materials and labour to remove rock or rock like substances from road boxing or drainage trenches.	20	cu.m	\$ 250.00	\$ 5,000.00
2.12.5	Provision of as constructed plans to Council.	1	Item	\$ 1,500.00	\$ 1,500.00
2.12.6	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 5,000.00	\$ 5,000.00
SUB-TOTAL (NICHOLAS ROAD)					\$424,001.00
3	MARY ROAD				
3.1	PRELIMINARIES				
3.1.1	Site establishment, set out and clean up, installation & maintaining sediment control, Environmental Management Plan, OH&S, Site Management Plan, Council permits, temporary fencing, setout, erection and maintenance of warning signs, lights and barriers.	1	item	\$ 5,000.00	\$ 5,000.00
3.1.2	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
3.1.3	Allowance for Contractor to expose and prove services on-site as required, prior to commencement of works.	1	Item	\$ 3,500.00	\$ 3,500.00
3.2	DEMOLITION				
3.2.1	Sawcut existing asphalt pavement where adjoining new full depth pavement	18	lin.m.	\$ 20.00	\$ 360.00
3.2.2	Remove and dispose of redundant pipes, culverts and associated structures.	42	lin.m.	\$ 50.00	\$ 2,100.00
3.2.3	Remove and dispose of existing trees and areas of vegetation as per detail plans under direction by Council superintendent	2	No.	\$ 800.00	\$ 1,600.00
3.3	EARTHWORKS				
3.3.1	Cut to Fill (Existing road base) - assumes all material suitable for re-use	15	Cub.m	\$ 50.00	\$ 750.00
3.3.2	Cut to Fill (Batters) - assumes all material suitable for re-use	35	Cub.m	\$ 50.00	\$ 1,750.00
3.3.3	Cut to Dispose (Earth) - from road side area to road batter	115	Cub.m	\$ 30.00	\$ 3,450.00
3.4	DRAINAGE				
3.4.1	300mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	17	lin.m.	\$ 320.00	\$ 5,440.00
3.4.2	450mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	12	lin.m.	\$ 410.00	\$ 4,920.00
3.4.3	300mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	131	lin.m.	\$ 280.00	\$ 36,680.00
3.4.4	375mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	8	lin.m.	\$ 340.00	\$ 2,720.00

Item	Description	Quantity	Unit	Rate	Amount
3.4.5	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	217	lin.m.	\$ 45.00	\$ 9,765.00
3.4.6	Reconnection of existing property connections to new drainage as per Council standard.	8	No.	\$ 900.00	\$ 7,200.00
3.4.7	Clean and grade existing table drain into pipe at Beenak Road	1	Item	\$ 1,000.00	\$ 1,000.00
3.5	DRAINAGE PITS				
3.5.1	600mm x 900mm Side Entry Pit as shown on the plans to Council standard drawing SD/P1,	4	No.	\$ 2,500.00	\$ 10,000.00
3.5.2	600mm x 900mm Grated Side Entry Pit as shown on the plans to Council standard drawing SD/P3,	4	No.	\$ 2,750.00	\$ 11,000.00
3.5.3	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class B terra firma type lid.	1	No.	\$ 2,250.00	\$ 2,250.00
3.5.4	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class D Heavy Duty Gatic type lid.	1	No.	\$ 2,250.00	\$ 2,250.00
3.5.5	Driveable Endwall to VicRoads standard SD/1991 to suit 300mm pipe including rock beaching	1	No.	\$ 2,500.00	\$ 2,500.00
3.5.6	Driveable Endwall to VicRoads standard SD/1991 to suit 450mm pipe including rock beaching	1	No.	\$ 2,500.00	\$ 2,500.00
3.6	CONCRETE KERB AND CHANNEL				
3.6.1	600mm rollover kerb and channel to Council standard SD/B1 including excavation of bedding and min. 50mm depth crushed rock bedding	434	lin.m.	\$ 110.00	\$ 47,740.00
3.6.2	600mm M2 kerb and channel to Council standard SD/B2 including excavation of bedding and min. 50mm depth crushed rock bedding	16	lin.m.	\$ 120.00	\$ 1,920.00
3.7	ROAD PAVEMENT				
3.7.1	Prepare existing subgrade (granular material) for road construction, including compaction to 95% standard MDD	1275	sq.m.	\$ 5.00	\$ 6,375.00
3.7.2	Base course- 130mm compacted depth of 20mm nominal size class 2 F.C.R	939	sq.m.	\$ 20.00	\$ 18,780.00
3.7.3	Sub base course (pavement widening) - 150mm compacted depth of 3% cement treated crushed rock	200	sq.m.	\$ 30.00	\$ 6,000.00
3.7.4	Asphalt wearing course - 30mm compacted depth of 10mm nominal size Type H Asphalt	939	sq.m.	\$ 20.00	\$ 18,780.00
3.7.5	Asphalt base course - 40mm compacted depth of 14mm nominal size Type H Asphalt	939	sq.m.	\$ 28.00	\$ 26,292.00
3.7.6	Crack seal joints between new and existing road pavement with SBS rubber modified cationic emulsion or approved equivalent.	1	item	\$ 1,200.00	\$ 1,200.00
3.8	VEHICLE CROSSINGS				
3.8.1	Reinstatement and regrading of gravel crossings, including allowance for 100mm crushed rock	161	sq.m	\$ 20.00	\$ 3,220.00
3.8.2	Reinstatement and regrading of bitumen crossings, including allowance for 100mm crushed rock and 30mm asphalt seal	72	sq.m	\$ 50.00	\$ 3,600.00

Item	Description	Quantity	Unit	Rate	Amount
3.8.3	Supply all materials, plant and labour and construct Commercial vehicle crossing to Council standard SD/C3, including excavation and min. 50mm compacted depth of crushed rock bedding.	28	sq.m.	\$ 150.00	\$ 4,200.00
3.9	LANDSCAPING				
3.9.1	Topsoiling and seeding (including 100mm depth of topsoil)	715	sq.m	\$ 10.00	\$ 7,150.00
3.10	PAVEMENT MARKING				
3.10.1	Supply and temporary linemarking as noted in the specification and on the drawings.	1	item	\$ 750.00	\$ 750.00
3.10.2	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,500.00	\$ 1,500.00
3.11	ANCILLARY WORKS				
3.11.1	Supply all materials, plant and labour and construct pram crossing with TGSI's to Council standard SD/B4	2	No.	\$ 1,000.00	\$ 2,000.00
3.11.2	Supply of all materials, plant and labor and install new signage, as specified on plans	1	No.	\$ 200.00	\$ 200.00
3.12	PROVISIONAL ITEMS				
3.12.1	Excavation and disposal of soft or unsuitable subgrade, backfill and compacted with size 20mm Class 3 cement treated 3% crushed rock, as directed by Council Supervisor. This item includes pavement subbase for new pavement areas.	100	Cub.m	\$ 200.00	\$ 20,000.00
3.12.2	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	217	lin.m.	\$ 45.00	\$ 9,765.00
3.12.3	Supply all plant, materials and labour to remove rock or rock like substances from road boxing or drainage trenches.	20	cu.m	\$ 250.00	\$ 5,000.00
3.12.4	Provision of as constructed plans to Council.	1	Item	\$ 1,500.00	\$ 1,500.00
3.12.5	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 8,000.00	\$ 8,000.00
SUB-TOTAL (MARY ROAD)					\$320,707.00

4	ELSIE STREET, ROYAL AVENUE AND IMPERIAL AVENUE				
4.1	PRELIMINARIES				
4.1.1	Site establishment, set out and clean up, installation & maintaining sediment control, Environmental Management Plan, OH&S, Site Management Plan, Council permits, temporary fencing, setout, erection and maintenance of warning signs, lights and barriers.	1	item	\$ 7,500.00	\$ 7,500.00
4.1.2	Provide a traffic management plan and traffic management in accordance with the VicRoads Roadworks Signing Code of Practice (AS 1742-3).	1	item	\$ 20,000.00	\$ 20,000.00
4.1.3	Allowance for Contractor to expose and prove services on-site as required, prior to commencement of works.	1	Item	\$ 5,000.00	\$ 5,000.00
4.2	DEMOLITION				
4.2.1	Sawcut existing asphalt pavement where adjoining new full depth pavement	7	lin.m.	\$ 20.00	\$ 140.00

Item	Description	Quantity	Unit	Rate	Amount
4.2.2	Remove and dispose of redundant pipes, culverts and associated structures.	167	lin.m.	\$ 50.00	\$ 8,350.00
4.2.3	Remove and dispose of existing trees and areas of vegetation as per detail plans under direction by Council superintendent	1	No.	\$ 800.00	\$ 800.00
4.3	EARTHWORKS				
4.3.1	Cut to Fill (Existing road base) - assumes all material suitable for re-use	50	Cub.m	\$ 50.00	\$ 2,500.00
4.3.2	Cut to Fill (Batters) - assumes all material suitable for re-use	160	Cub.m	\$ 50.00	\$ 8,000.00
4.3.3	Cut to Dispose (Earth) - from road side area to road batter	665	Cub.m	\$ 30.00	\$ 19,950.00
4.4	DRAINAGE				
4.4.1	300mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	99	lin.m.	\$ 320.00	\$ 31,680.00
4.4.2	375mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	37	lin.m.	\$ 360.00	\$ 13,320.00
4.4.3	450mm dia. reinforced concrete drainage pipe (class 4) rubber ring jointed. Crushed rock backfill (road crossing)	125	lin.m.	\$ 410.00	\$ 51,250.00
4.4.4	300mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	252	lin.m.	\$ 280.00	\$ 70,560.00
4.4.5	375mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	91	lin.m.	\$ 340.00	\$ 30,940.00
4.4.6	450mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	91	lin.m.	\$ 400.00	\$ 36,400.00
4.4.7	525mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	33	lin.m.	\$ 450.00	\$ 14,850.00
4.4.8	600mm dia. Polypropylene Pipe RRJ including fittings. Earth backfill (behind kerb)	3	lin.m.	\$ 500.00	\$ 1,500.00
4.4.9	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	668	lin.m.	\$ 45.00	\$ 30,060.00
4.4.10	Reconnection of existing property connections to new drainage as per Council standard.	23	No.	\$ 900.00	\$ 20,700.00
4.4.11	Clean and grade existing table drains at pipe outlets	3	No.	\$ 1,500.00	\$ 4,500.00
4.5	DRAINAGE PITS				
4.5.1	600mm x 900mm Side Entry Pit as shown on the plans to Council standard drawing SD/P1,	18	No.	\$ 2,500.00	\$ 45,000.00
4.5.2	600mm x 1200mm Side Entry Pit as shown on the plans to Council standard drawing SD/P2,	1	No.	\$ 2,750.00	\$ 2,750.00
4.5.3	600mm x 900mm Grated Side Entry Pit as shown on the plans to Council standard drawing SD/P3,	12	No.	\$ 2,750.00	\$ 33,000.00
4.5.4	600mm x 900mm Table Drain Inlet Pit as shown on the plans to Council standard drawing SD/P5,	1	No.	\$ 2,250.00	\$ 2,250.00
4.5.5	600mm x 900mm Junction Pit as shown on the plans to Council standard drawing SD/P4 with Class B terra firma type lid.	1	No.	\$ 2,250.00	\$ 2,250.00

Item	Description	Quantity	Unit	Rate	Amount
4.5.6	600mm x 900mm Grated Pit as shown on the plans Council standard drawing SD/P6	2	No.	\$ 2,500.00	\$ 5,000.00
4.5.7	Driveable Endwall to VicRoads standard SD/1991 to suit 300mm pipe including rock beaching	1	No.	\$ 2,500.00	\$ 2,500.00
4.5.8	Driveable Endwall to VicRoads standard SD/1991 to suit 375mm pipe including rock beaching	1	No.	\$ 2,500.00	\$ 2,500.00
4.5.9	Driveable Endwall to VicRoads standard SD/1991 to suit 600mm pipe including rock beaching	1	No.	\$ 3,500.00	\$ 3,500.00
4.5.10	Construct anchor blocks as shown on plans, to Council standard SD/D3	7	No.	\$ 500.00	\$ 3,500.00
4.6	CONCRETE KERB AND CHANNEL				
4.6.1	600mm rollover kerb and channel to Council standard SD/B1 including excavation of bedding and min. 50mm depth crushed rock bedding	1335	lin.m.	\$ 110.00	\$ 146,850.00
4.7	ROAD PAVEMENT				
4.7.1	Prepare existing subgrade (granular material) for road construction, including compaction to 95% standard MDD	4110	sq.m.	\$ 5.00	\$ 20,550.00
4.7.2	Base course- 130mm compacted depth of 20mm nominal size class 2 F.C.R	3098	sq.m.	\$ 20.00	\$ 61,960.00
4.7.3	Sub base course (pavement widening) - 150mm compacted depth of 3% cement treated crushed rock	650	sq.m.	\$ 30.00	\$ 19,500.00
4.7.4	Asphalt wearing course - 30mm compacted depth of 10mm nominal size Type H Asphalt	3098	sq.m.	\$ 20.00	\$ 61,960.00
4.7.5	Asphalt base course - 40mm compacted depth of 14mm nominal size Type H Asphalt	3098	sq.m.	\$ 28.00	\$ 86,744.00
4.7.6	Crack seal joints between new and existing road pavement with SBS rubber modified cationic emulsion or approved equivalent.	1	item	\$ 1,200.00	\$ 1,200.00
4.8	VEHICLE CROSSINGS				
4.8.1	Reinstatement and regrading of gravel crossings, including allowance for 100mm crushed rock	603	sq.m	\$ 20.00	\$ 12,060.00
4.8.2	Reinstatement and regrading of bitumen crossings, including allowance for 100mm crushed rock and 30mm asphalt seal	48	sq.m	\$ 50.00	\$ 2,400.00
4.8.3	Supply all materials, plant and labour and construct Commercial vehicle crossing to Council standard SD/C3, including excavation and min. 50mm compacted depth of crushed rock bedding.	63	sq.m.	\$ 180.00	\$ 11,340.00
4.8.4	Supply all materials, plant and labour and construct standard concrete vehicle crossing to Council standard SD/C2, including excavation and min. 50mm compacted depth of crushed rock bedding.	84	sq.m.	\$ 150.00	\$ 12,600.00
4.9	LANDSCAPING				
4.9.1	Topsoiling and seeding (including 100mm depth of topsoil)	2275	sq.m	\$ 10.00	\$ 22,750.00
4.10	PAVEMENT MARKING				
4.10.1	Supply and temporary linemarking as noted in the specification and on the drawings.	1	item	\$ 750.00	\$ 750.00
4.10.2	Supply and linemark with long life thermoplastic material as noted in the specification and on the drawings.	1	item	\$ 1,500.00	\$ 1,500.00

Item	Description	Quantity	Unit	Rate	Amount
4.11	ANCILLARY WORKS				
4.11.1	Supply of all materials, plant and labor and install new signage, as specified on plans	5	No.	\$ 200.00	\$ 1,000.00
4.12	PROVISIONAL ITEMS				
4.12.1	Excavation and disposal of soft or unsuitable subgrade, backfill and compacted with size 20mm Class 3 cement treated 3% crushed rock, as directed by Council Supervisor. This item includes pavement subbase for new pavement areas.	300	Cub.m	\$ 200.00	\$ 60,000.00
4.12.2	Modify existing sewer cover level to suit design pavement level and provide heavy duty driveable cover	2	No.	\$ 1,000.00	\$ 2,000.00
4.12.3	Supply of all materials, plant and labor and install subsurface drainage as detail in plans.	667	lin.m.	\$ 45.00	\$ 30,015.00
4.12.4	Supply all plant, materials and labour to remove rock or rock like substances from road boxing or drainage trenches.	50	cu.m	\$ 250.00	\$ 12,500.00
4.12.5	Provision of as constructed plans to Council.	1	Item	\$ 2,500.00	\$ 2,500.00
4.12.6	Allowance to top up and reseed areas where topsoil has settled 3-6 months after construction.	1	Item	\$ 10,000.00	\$ 10,000.00
	SUB-TOTAL (ELSIE STREET, ROYAL AVENUE AND IMPERIAL AVENUE)				\$1,060,429.00
	SUB-TOTAL (PARK STREET)				\$355,876.00
	SUB-TOTAL (NICHOLAS ROAD)				\$424,001.00
	SUB-TOTAL (MARY ROAD)				\$320,707.00
	SUB-TOTAL (ELSIE STREET, ROYAL AVENUE AND IMPERIAL AVENUE)				\$1,060,429.00
	TOTAL (PARK STREET GROUP)				\$2,161,013.00
	Scheme preparation, supervision, administration etc. 5%				\$108,050.65
	Engineer Consultants and other costs				\$80,000.00
	Tree Management (Arborist Assessment, Tree Offsets)				\$35,000.00
	Contingency sum 10%				\$216,101.30
	TOTAL SCHEME COST				\$2,600,164.95