

**RD 25.1-1 ENGLISH STREET (WEST)**

Length - 464.3, Width - 34.0, AREA (ha) - 1.58

DESCRIPTION	DETAIL	Qty	Unit	Rate	\$
Bulk Earthworks	Cut, Place & Compact	4990.0	m3	55.0	\$274,450
Bulk Earthworks	Strip topsoil, stockpile & respread	24950.0	m2	4.5	\$112,275
Bulk Earthworks	Form swale drain	747.0	m3	45.0	\$33,615
Pavement (urban)	Arterial Pavement	8460.0	m2	200.0	\$1,692,000
Pavement (urban)	Shoulder	1440.0	m2	83.0	\$119,520
Pavement profiling & re-sheeting		0.0	m2	25.0	\$-
Kerb & pavement Removal		0.0	m2	30.0	\$-
Kerb & Channel	Barrier kerb	1700.0	m	110.0	\$187,000
Kerb & Channel	Concrete edge strip	3060.0	m	60.0	\$183,600
Kerb & Channel Out Flow		0.0	m	0.0	\$-
Kerb & Channel Rollover		0.0	m	110.0	\$-
Side Entry Pits std drw S305		19.0	unit	2500.0	\$47,500
Bike Path 3.0m Wide	Reinforced concrete	4590.0	m2	150.0	\$688,500
Shared Pathway 3.0m Wide	Reinforced concrete	0.0	m2	150.0	\$-
Pedestrian Footpath	1.5m wide reinforced concrete	0.0	m2	150.0	\$-
Pedestrian Footpath 1.5m gravel		0.0	m2	0.0	\$-
Drainage, sub grade drain		1700.0	m2	30.0	\$51,000
Line marking		8460.0	m2	2.5	\$21,150
Landscaping	Hydroseeding	9930.0	m2	4.0	\$39,720
Concrete Island Infill		530.0	m2	75.0	\$39,750
Level / Trim Nature Strip		7440.0	m2	10.0	\$74,400
Tree Planting (2 - 2.5m tall)		22.0	unit	600.0	\$13,200
Tube Stock Plantings		0.0	unit	40.0	\$-
Root Barriers		0.0		0.0	\$-
300mm dia conc drain Stormwater Cr BF		1980.0	m	180.0	\$356,400
375mm dia conc drain Stormwater Cr Bk fill		0.0	m	0.0	\$-
450mm dia conc drain Stormwater Cr BF		0.0	m	0.0	\$-
525mm dia conc drain Stormwater Cr BF		0.0	m	0.0	\$-
Traffic Signals		0.0	unit	400000.0	\$-
Traffic Signals Conduit subset		0.0	m	65.0	\$-
Street Lighting	Lighting pole & luminaire	0.0	m	15000.0	\$-
Lighting Conduit		820.0	m	65.0	\$53,300
Relocation of existing overhead electrical service					Excluded
Relocation of existing communications service					Excluded
<b>SUBTOTAL</b>					<b>\$3,987,380</b>

<b>SUBTOTAL</b>					
Service Relocation					Excluded
VicRoads Approvals Fee					Excluded
10 Year Maintenance Fee					Excluded
Traffic Management					\$25,000
Survey & Design		10.0%			\$398,738
Supervision & Project Management		5.0%			\$199,369
Site Establishment		2.5%			\$99,685
Contingency		20.0%			\$797,476
<b>JACOBS SKM TOTAL ESTIMATED COST</b>					<b>\$5,507,648</b>

<b>MPA RE-COSTING OF JACOBS SKM SB20434</b>					
RD 25.1-1 English Street				Original Length	464.3
less 250m for freeway bridge ramp				Revised Length	214.3
				AREA	0.73
					46.2%
<b>Subtotal - Construction</b>					<b>\$1,840,395</b>
Traffic Management					\$25,000
Survey & Design		10.0%			\$184,040
Supervision & Project Management		5.0%			\$92,020
Site Establishment		2.5%			\$46,010
Contingency		20.0%			\$368,079
<b>REVISED Total Estimated Cost</b>					<b>\$2,555,544</b>

## RD 25.1-2 BROOKVILLE-AMAROO DRIVE

Length - 2,622.1, Width - 34.0, AREA (ha) - 8.92

DESCRIPTION	DETAIL	Qty	Unit	Rate	\$
Bulk Earthworks	Cut, Place & Compact	15,210.0	m3	55	\$836,550
Bulk Earthworks	Strip topsoil, stockpile & respread	76,050.0	m2	4.5	\$342,225
Bulk Earthworks	Form swale drain	-	m3	45	\$-
Pavement (urban)	Arterial Pavement	20,820.0	m2	200	\$4,164,000
Pavement (urban)	Shoulder	8,055.0	m2	83	\$668,565
Pavement profiling & re-sheeting		-	m2	25	\$-
Kerb & pavement Removal		63,800.0	m2	30	\$1,914,000
Kerb & Channel	SM1/High Profile	6,710.0	m	110	\$738,100
Kerb & Channel	Concrete edge strip	-	m	60	\$-
Kerb & Channel Out Flow		-	m	0	\$-
Kerb & Channel Rollover		-	m	110	\$-
Side Entry Pits std drw S305		75.0	unit	2,500.00	\$187,500
Bike Path 3.0m Wide	Reinforced concrete	12,240.0	m2	150	\$1,836,000
Shared Pathway 3.0m Wide	Reinforced concrete	-	m2	150	\$-
Pedestrian Footpath	1.5m wide reinforced concrete	600.0	m2	150	\$90,000
Pedestrian Footpath 1.5m gravel		-	m2	0	\$-
Drainage, sub grade drain		6,710.0	m2	30	\$201,300
Line marking		-	m2	2.5	\$-
Landscaping	Hydroseeding	33,395.0	m2	4	\$133,580
Concrete Island Infill		940.0	m2	75	\$70,500
Level / Trim Nature Strip		33,395.0	m2	10	\$333,950
Tree Planting (2 - 2.5m tall)		40.0	unit	600	\$24,000
Tube Stock Plantings		-	unit	40	\$-
Root Barriers		-	m	0	\$-
300mm dia conc drain Stormwater Cr BF		4,480.0	m	180	\$806,400
375mm dia conc drain Stormwater Cr Bk fill		-	m	0	\$-
450mm dia conc drain Stormwater Cr BF		-	m	0	\$-
525mm dia conc drain Stormwater Cr BF		-	unit	0	\$-
Traffic Signals		-	m	400,000.00	\$-
Traffic Signals Conduit subset		-	m	65	\$-
Street Lighting	Lighting pole & luminaire	-	m	15,000.00	\$-
Lighting Conduit		2,240.0	m	65	\$145,600
Relocation of existing overhead electrical service					Excluded
Relocation of existing communications service					Excluded
SUBTOTAL					\$12,492,270

## SUBTOTAL

Service Relocation					Excluded
VicRoads Approvals Fee					Excluded
10 Year Maintenance Fee					Excluded
Traffic Management					\$25,000
Survey & Design		10.0%			\$1,249,227
Supervision & Project Management		5.0%			\$624,614
Site Establishment		2.5%			\$312,307
Contingency		20.0%			\$2,498,454
JACOBS SKM TOTAL ESTIMATED COST					\$17,201,871

MPA RE-COSTING OF JACOBS SKM SB20434

**RD 25.1-3 SUMMERHILL ROAD**

Length - 734.9 , Width - 34.0, AREA (ha) - 2.50

DESCRIPTION	DETAIL	Qty	Unit	Rate	\$
Bulk Earthworks	Cut, Place & Compact	6,720.0	m3	55	\$369,600
Bulk Earthworks	Strip topsoil, stockpile & respread	33,600.0	m2	4.5	\$151,200
Bulk Earthworks	Form swale drain	-	m3	45	\$-
Pavement (urban)	Arterial Pavement	7,300.0	m2	200	\$1,460,000
Pavement (urban)	Shoulder	-	m2	83	\$-
Pavement profiling & re-sheeting		-	m2	25	\$-
Kerb & pavement Removal		19,700.0	m2	30	\$591,000
Kerb & Channel	Type SM1	1,970.0	m	110	\$216,700
Kerb & Channel	Concrete edge strip	-	m	60	\$-
Kerb & Channel Out Flow		-	m	0	\$-
Kerb & Channel Rollover		-	m	110	\$-
Side Entry Pits std drw S305		22.0	unit	2,500.00	\$55,000
Bike Path 3.0m Wide	Reinforced concrete	5,910.0	m2	150	\$886,500
Shared Pathway 3.0m Wide	Reinforced concrete	-	m2	150	\$-
Pedestrian Footpath	1.5m wide reinforced concrete	-	m2	150	\$-
Pedestrian Footpath 1.5m gravel		-	m2	0	\$-
Drainage, sub grade drain		1,970.0	m2	30	\$59,100
Line marking		-	m2	2.5	\$-
Landscaping	Hydroseeding	20,390.0	m2	4	\$81,560
Landscaping	Groundcover & mulch	-	m2	5	\$-
Concrete Island Infill		-	m2	75	\$-
Level / Trim Nature Strip		20,390.0	m2	10	\$203,900
Tree Planting (2 - 2.5m tall)		20.0	unit	600	\$12,000
Tube Stock Plantings		-	unit	40	\$-
Root Barriers		-	m	0	\$-
300mm dia conc drain Stormwater Cr BF		1,970.0	m	180	\$354,600
375mm dia conc drain Stormwater Cr Bk fill		-	m	0	\$-
450mm dia conc drain Stormwater Cr BF		-	m	0	\$-
525mm dia conc drain Stormwater Cr BF		-	unit	0	\$-
Traffic Signals		-	m	400,000.00	\$-
Traffic Signals Conduit subset		-	m	65	\$-
Street Lighting	Lighting pole & luminaire	-	m	15,000.00	\$-
Lighting Conduit		985.0	m	65	\$64,025
SUBTOTAL					\$4,505,185

SUBTOTAL					
Service Relocation					Excluded
VicRoads Approvals Fee					Excluded
10 Year Maintenance Fee					Excluded
Traffic Management					\$25,000
Survey & Design		10.0%			\$450,519
Supervision & Project Management		5.0%			\$225,259
Site Establishment		2.5%			\$112,630
Contingency		15.0%			\$675,778
JACOBS SKM TOTAL ESTIMATED COST					\$5,994,370

MPA RE-COSTING OF JACOBS SKM SB20434					
RD 25.1-3 Summerhill Road				Original Length	734.9
Less 329.5M for freeway bridge ramp & less 266.0m for railway bridge ramps				Revised Length	139.4
				AREA	0.47
					19.0%
Subtotal - Construction					\$854,569
Traffic Management					\$25,000
Survey & Design		10.0%			\$85,457
Supervision & Project Management		5.0%			\$42,728
Site Establishment		2.5%			\$21,364
Contingency		20.0%			\$170,914
REVISED Total Estimated Cost					\$1,200,032

**BR 25.1-1 MERRI CREEK ROAD BRIDGE**

Length - 50.0, Width - 16.2, AREA (ha) - 0.08

DESCRIPTION	DETAIL	Qty	Unit	Rate	\$
Clearing & Grubbing		1.0	item	10,000.00	\$10,000
Structure costs	2-span structure with 1500mm deep, 25m long super-T beams	810.0	m2	4500	\$3,645,000
Structure costs	Piles 900 dia., 8m depth	15.0	no.	6,105.00	\$91,575
	Off structure bridge approach barrier	1.0	item	250000	\$250,000
SUBTOTAL					\$3,996,575

SUBTOTAL					
Service Relocation					Excluded
VicRoads Approvals Fee					Excluded
10 Year Maintenance Fee					\$25,000
Survey & Design		10.0%			\$399,658
Cultural Heritage Management Plan					\$50,000
GeoTech Survey					\$20,000
Supervision & Project Management		5.0%			\$199,829
Site Establishment		2.5%			\$99,914
Contingency		20.0%			\$799,315
Total Estimated Cost					\$5,590,291

MPA RE-COSTING OF JACOBS SKM SB20434