

PROJECT:	Wonthaggi North East PSP
LOCATION:	Korumburra-Wonthaggi Rd / Proposed Connector Street, Intersection 09
DATE:	11/03/2022

BROAD LEVEL CONSTRUCTION COST ESTIMATE

IN09 - 3 Leg Roundabout, Local Access Street Omitted

Basis of Quantities and Estimate:

This Schedule of Quantities is based on revision P2 design drawings, dated 09/03/2022, drawing V214020-01-02-P2

ITEM	ITEM DESCRIPTION	QTY	UNIT	\$/UNIT	TOTAL	REMARKS
1.0	SITEWORKS AND DEMOLITION					
1.01	Site Preparation	1	Item	\$ 15,000.00	\$ 15,000.00	
1.02	Earthworks	1785	m³	\$ 40.00	\$ 71,400.00	
1.03	Subgrade Improvement	2760	m²	\$ 60.00	\$ 165,600.00	Lime and cement stabilisation for new asphalt pavement area. The m² unit cost accounts for an average depth.
1.04	Proving Existing Services	1	Item	\$ 10,000.00	\$ 10,000.00	
1.05	Clearing and Grubbing	5910	m²	\$ 15.00	\$ 88,650.00	
2.0	ASPHALT PAVEMENT WORKS					
2.01	Asphalt Pavement (Full Depth)	2550	m²	\$ 150.00	\$ 382,500.00	600mm deep heavy duty pavement
2.02	Asphalt Resheet Works (Wearing Course Type V or H)	670	m²	\$ 50.00	\$ 33,500.00	
3.0	CONCRETE WORKS					All concrete works items are inclusive of crushed rock base.
3.01	Kerb and Channel	860	Lm	\$ 70.00	\$ 60,200.00	SM2 or Council equivalent
3.02	Concrete Footpath	1270	m²	\$ 125.00	\$ 158,750.00	
3.03	Concrete Median & Roundabout Infill	870	m²	\$ 130.00	\$ 113,100.00	
3.04	Concrete Kerb Ramps	12	No.	\$ 1,250.00	\$ 15,000.00	To be DDA compliant
4.0	STORMWATER DRAINAGE WORKS					
4.01	Drainage - Pipes	570	Lm	\$ 250.00	\$ 142,500.00	
4.02	Drainage - Pits	13	No.	\$ 3,000.00	\$ 39,000.00	
4.03	Drainage - Sub-soil Drainage	1220	Lm	\$ 55.00	\$ 67,100.00	Assumed behind all kerb and underneath all pavement joints.
4.04	Drainage - Miscellaneous	8	Item	\$ 1,250.00	\$ 10,000.00	SSD Pit, Flush Out Riser, Outlet
5.0	TRAFFIC					
5.01	Safety Barriers	1	Item	\$ 100,000.00	\$ 100,000.00	Allowance to contain run-off-road hazards such as trees and existing open channel drain
6.0	LANDSCAPE					
6.01	Tree removals and replacements	120	No.	\$ 500.00	\$ 60,000.00	
6.02	Landscaping - Batter to existing , back of kerb works, topsoil and seed area, etc.	2200	m²	\$ 80.00	\$ 176,000.00	Batter assumed 3.0m from back of kerb, with topsoil and seed areas around shared paths and footpaths. Blended unit cost to account for these.
7.0	STREET LIGHTING					
7.01	Street Lighting	8	No.	\$ 12,800.00	\$ 102,400.00	

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8.0 MISCELLANEOUS						
8.01	Pavement Markings	1	Item	\$ 5,000.00	\$ 5,000.00	
8.02	Regulatory Signage	1	Item	\$ 5,000.00	\$ 5,000.00	
8.03	Works maintenance - up to 1 year	1	Item	\$ 20,000.00	\$ 20,000.00	
8.04	Landscaping maintenance - 1 year / 2 summers	1	Item	\$ 5,000.00	\$ 5,000.00	Including traffic management
9.0 SERVICES						
9.01	Telstra services relocation/ Protection works	1	Item	\$ 450,000.00	\$ 450,000.00	<i>This is a broad level estimate only - confirmation from service authorities is required at detailed design.</i>
9.02	NBN services relocation/Protection works	1	Item	\$ 50,000.00	\$ 50,000.00	<i>This is a broad level estimate only - confirmation from service authorities is required at detailed design.</i>
9.03	Gas services relocation/Protection works	1	Item	\$ 50,000.00	\$ 50,000.00	<i>This is a broad level estimate only - confirmation from service authorities is required at detailed design.</i>
9.04	Water and Sewer services relocation/Protection works	1	Item	\$ 75,000.00	\$ 75,000.00	<i>This is a broad level estimate only, subject to verification by authority. SGW are highly likely to arrange to renew this main and divert around roundabout instead (timing dependant).</i>
9.04	Electrical services relocation/Protection works	1	Item	\$ 250,000.00	\$ 250,000.00	<i>Pole and overhead wires on north-west corner of roundabout to be relocated.</i>
SUB-TOTAL WORKS					\$ 2,720,700.00	
10.0 DELIVERY						
10.01	Council Fees (Council assets only)	3.25	%		\$ 88,422.75	
10.02	Department of Transport Fees	1	%		\$ 27,207.00	
10.03	Traffic Management	5	%		\$ 136,035.00	
10.04	Environmental Management	0.5	%		\$ 13,603.50	
10.05	Survey/Design	5	%		\$ 136,035.00	
10.06	Supervision & Project Management	9	%		\$ 244,863.00	
10.07	Site Establishment	2.5	%		\$ 68,017.50	
10.08	Contingency - Overall (Item 1.1 to 9.7)	30	%		\$ 816,210.00	
SUB-TOTAL DELIVERY					\$ 1,530,393.75	
TOTAL ESTIMATE COST					\$ 4,251,093.75	

ASSUMPTIONS AND EXCLUSIONS:

- Design, documentation fees or authority fees, charges, levies and overview including insurances and bank guarantees have been included as per VPA recommended percentages.
- Approximate cost of protection and/or relocation of underground services during construction is included (broad level estimate only subject to validation and confirmation)
- A 30% contingency has been applied to the engineer's opinion of probable costs based on the information from Concept layout and without a site inspection
- This broad level engineers opinion of probable cost is based on the drawings listed above and further changes may arise following subsequent additional investigations and detailed design development.
- Specific construction works including rock boring, rock blasting or rock excavation and removal have been excluded as geotechnical conditions are yet to be confirmed.
- This estimate also excludes allowance for abnormal weather conditions.
- GST is excluded.
- Land acquisition is excluded
- Price escalation is excluded.
- The above opinion of probable costs should be considered current to the date of the document only. GTA now Stantec cannot provide any form of assurance that the costings provided will not change due to changes in design and/or future costs of materials. The future outcome may vary, and this variation may be material. This potential for variation should be considered in any circumstances where the costings are to be used for high level budgeting purposes, even in the short term. Any party requiring detailed costing for quoting or construction purposes should seek a detailed cost estimate from a suitably qualified quantity surveyor.

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