

PRELIMINARY ESTIMATE OF COST

	Unit Rate	Unit	Upgrade Element	
			Upgrade Existing Moranbah Access Rd Bridge (Q50)	
			Qty.	Cost:
Preliminaries				
Site Establishment / Traffic Control (5%)	Item	PS	1	\$600,000
Earthworks:				
Fill Road Embankment (imported)	\$40.00	m ³	19000	\$760,000
Fill Road Embankment (on site)	\$12.00	m ³	9000	\$108,000
Cut Road Excavation, all materials	\$12.00	m ³	9000	\$108,000
Excavation of non-rippable material in road excavation	\$58.00	m ³	0	\$0
Subgrade Treatment	\$58.00	m ³	0	\$0
Subgrade in Embankment, 200mm thick	\$70.00	m ³	1575	\$110,250
Clear and Grub	\$2.50	m ²	27563	\$68,906
Stripping Topsoil (100mm)	\$5.50	m ³	2756	\$15,159
Pavements:				
45mm thick AC Surfacing, including primerseal	\$45.00	m ²	7875	\$354,375
400mm thick Pavement Volume	\$185.00	m ³	3094	\$572,390
Drainage:				
Supply & Install Drainage Structures				
Culvert 3600 x 1500	\$8,000.00	m	0	\$0
Culvert 3600 x 1800	\$8,500.00	m	324	\$2,754,000
Culvert 3600 x 2400	\$9,200.00	m	0	\$0
Concrete Bases in Culverts	\$1,300.00	m ³	363	\$471,744
End Structures to Culverts	\$2,300.00	m ³	48	\$110,400
Concrete Kerb	\$60.00	m	0	\$0
Concrete median infill	\$1,100.00	m ³	0	\$0
Bridges & Structures:				
Bridge Deck Unit	\$6,200.00	m ²	1400	\$8,680,000
Batter Protection	\$460.00	m ²	200	\$92,000
Road Furniture:				
Safety Barrier:				
- Concrete	\$700.00	m	0	\$0
- Guardrail	\$270.00	m	1500	\$405,000
Signage & Linemarking	\$45.00	m	1050	\$47,250
Fencing	\$290.00	m	0	\$0
Demolition				
Existing Road Pavement	\$12.00	m ²	3000	\$36,000
Existing Bridge / Drainage Structures	\$2,100.00	m	70	\$147,000
Signals & Road Lighting:				
Supply & Install. Slip base road lighting pole	\$22,000.00	Pole	4	\$88,000
New Services:				
Power	\$230.00	m	0	\$0
Telecommunications	\$110.00	m	0	\$0
Water	\$280.00	m	0	\$0
Sewer Rising Main	\$160.00	m	0	\$0
Sewer	\$230.00	m	0	\$0
Sub-Total				\$15,528,475
Landscaping (5%)				\$776,424
Risk & Contingency (15%)				\$2,329,271
Design / Survey / Project Management (12%)				\$1,863,417
Total Estimated Cost				\$20,497,587