

Schedule of estimated quantities

Work: Bridge at Bulee Gap 19/01/2007
on MR 92 at 46.87 km West of Hames Road

Contract No: 0092.404.RC.2731

The quantities shown in the Schedule of Estimated Quantities are estimated quantities only and are not guaranteed to be the actual or correct quantities of work to be carried out.

In preparing its Schedule of Prices, the Tenderer must:

- include all items for which the Principal has suggested a provisional quantity in the Schedule of Estimated Quantities
- use the provisional quantities (if any) suggested by the Principal in the Schedule of Estimated Quantities
- only include items which form part of the Works described in the Tender Documents
- rates for individual pay items must exclude GST. GST must be added after the extended pay items are totalled.

Item no	Description of work	Quantity	Unit	Rate	Amount
SITE PREPARATION					
1	Removal and disposal of rock to natural joint lines at Abutment A and Pier 1	400	m3		
SITE PREPARATION Subtotal					
BORED PILES 900 DIA					
2	Supply of permanent casing	24.4	m		
3	Excavation to Contract Level including provision of temporary casing and disposal of spoil	45.6	m		
4	Excavation below Contract Level including provision of temporary casing and disposal of spoil (PROVISIONAL QTY)	20.0	m		
5	Supply and placement of reinforcement to Contract Level	3.3	t		
6	Supply and placement of reinforcement below Contract Level (PROVISIONAL QTY)	1.4	t		
7	Supply and placement of concrete (40MPa) to Contract Level	30	m3		
8	Supply and placement of concrete (40MPa) below Contract Level (PROVISIONAL QTY)	12.7	m3		
9	Test coring below toe level after excavation (PROVISIONAL QTY)	3.0	m		
BORED PILES Subtotal					
SUBSTRUCTURE					
10	Excavation to Contract Level at Abutment A (including backfilling)	53	m3		
11	Excavation below Contract Level at Abutment A (PROVISIONAL QTY)	1	m3		
12	Make up to nominated level in mass concrete at Abutment A (PROVISIONAL QTY)	1.0	m3		
13	Concrete (40MPa) in Abutment A	29	m3		
14	Reinforcement in Abutment A	2.3	t		
15	Mass concrete under bank seat	1.0	m3		
16	Concrete (40MPa) in bank seat	12.2	m3		
17	Reinforcement in bank seat	1.0	t		
18	Concrete in columns and headstocks - piers and Abutment B	70.2	m3		
19	Reinforcement in columns and headstocks - piers and Abutment B	5	t		
Rock Anchors at Abutment A					
20	Supply, Assembly and Installation of Anchors	4	ea		
21	Drilling, Waterproofing, Grouting and Anchorage Protection of Anchors	4	ea		
22	Stressing of Anchors	4	ea		
Steel Brace and Brackets at Abutment B					
23	Fabrication and hot-dip galvanizing	0.7	t		
24	Delivery to site and erection	1	ea		
SUBSTRUCTURE Subtotal					
BEARINGS & DOWELS					
25	Elastomeric bearing pads 350 x 170 x 57 thick	64	ea		
26	Elastomeric bearing strips 95 wide x 20 thick	27.58	m		

27	Elastomeric bearing strips 200 wide x 10 thick	9.88	m		
27	Stainless steel dowels 30 dia x 500 long	97	ea		
29	Stainless steel dowel assemblies 20 dia x 400 long	24	ea		
BEARINGS & DOWELS Subtotal					
PRECAST MEMBERS					
	Precast headstocks				
30	a) Manufacture	3	ea		
31	b) Delivery to site	3	ea		
32	c) Erection, including alignment to level and grouting	3	ea		
	Pretensioned precast concrete beams				
33	a) manufacture				
34	i) Beams 14.07m long	4	ea		
35	ii) Beams 14.26m long	4	ea		
36	iii) Beams 14.44m long	4	ea		
37	iv) Beams 14.62m long	4	ea		
38	v) Beams 14.80m long	4	ea		
39	vi) Beams 14.98m long	4	ea		
40	vii) Beams 15.16m long	4	ea		
41	viii) Beams 15.34m long	4	ea		
42	b) delivery to site	32	ea		
43	c) erection	32	ea		
BEAMS Subtotal					
COMPLETION OF SUPERSTRUCTURE					
44	18 thick permanent formwork	409	m2		
45	Foamed plastic (cellular polystyrene) and 5mm thick fibre cement sheet	-	Item		
46	Concrete (40MPa) in deck - Stage 1	8	m3		
47	Concrete (40MPa) in deck - Stage 2	90	m3		
48	Concrete (40MPa) in deck - Stage 3	10	m3		
48	Concrete in parapets grade 40MPa	43	m3		
50	Reinforcement in deck and parapets	18	t		
51	UPVC ducts in parapets	-	Item		
52	Jointing materials	-	Item		
53	Stainless steel dowels 20 dia x 400 long	24	ea		
54	Concrete in Piers Headstock (40Mpa)		m3		
55	Steel Reinforcement in Piers Headstock (Grade 500N)		tonne		
56	Supply and Install 30 dia x 500 long stainless steel dowel in Piers Headstocks		each		
COMPLETION OF SUPERSTRUCTURE Subtotal					
APPROACH SLABS					
57	Concrete (40MPa) in approach slabs and attached parapets	42	m3		
58	Reinforcement in approach slabs and attached parapets	4.0	t		
59	Compression joint seal 41 x 41	19.8	m		
60	Compression joint seal 64 x 64	9.9	m		
61	Thrie Beam cast-in anchor assemblies	2	Item		
APPROACH SLABS Subtotal					
MISCELLANEOUS					
62	Galvanized steel traffic railing - fabricate, supply and erect	134.7	m		
63	Galvanized steel protection angles, supply and install	0.01	t		
64	Name plates, including manufacture, supply fixing, and all fitments	2	ea		
65	Sprayed bituminous membrane seal to deck	631	m2		
MISCELLANEOUS Subtotal					
TOTAL AMOUNT (Excluding GST)					
Add GST					
TOTAL FOR SCHEDULE OF PRICES					