

Schedule of Estimated Quantities

Work: HW9 Colly Creek Bridge Replacement

Contract no: 0009.260.BC.2004

This Schedule relates to the items shown in the Schedule of Prices. The quantities shown in this Schedule are estimated quantities only and are not guaranteed to be the actual or correct quantities of work to be carried out.

Item	Description of work	Quantity	Unit
PILING			
	900mm dia cast-in-place reinforced concrete piles		
1	Excavation of pile, including socket into Class III sandstone and temporary casing		
	a) to Contract Level	56.42	m
	b) below Contract Level	6	m
		(provisional)	
2	Supply and placement of reinforcement		
	a) to Contract Level	12.43	tonne
	b) below Contract Level	1.33	tonne
		(provisional)	
3	Supply and placement of concrete - 40 MPa		
	a) to Contract Level	35.90	m
	b) below Contract Level	3.80	m
		(provisional)	
4	Test coring below pile toe level after excavation	18	m
		(provisional)	
SUBSTRUCTURE			
5	Excavation for abutments and wing walls including disposal of spoil	40	m ³
6	Mass concrete under Abutments, including wingwalls – 20 MPa	1.4	m ³
7	Concrete in Abutments, including wingwalls – 40 MPa	47.6	m ³
8	Steel reinforcement in Abutments, including wingwalls	5.1	tonne
9	Supply and install 64 mm dia x 837 long galvanised steel dowels including dowel cap assemblies	1	each
10	Supply and install 80 mm dia x 800 long galvanised steel dowels including dowel cap assemblies	1	each
11	Supply and install 20 mm dia x 400 long galvanised steel dowels including dowel cap assemblies	38	each
12	Supply and install cast-in anchor assembly for Thrie beam connection at abutment wingwalls	4	each
BEARINGS			
13	Supply and install 480mm x 380mm x 102mm deep laminated elastomeric bearings including epoxy mortar blocks and steel attachment plates	5	each
14	Supply and install 480mm x 380mm x 68mm deep laminated elastomeric bearings including epoxy mortar blocks and steel attachment plates	5	each
15	Supply elastomeric bearing strips 65 x 20 x 9545mm long (for approach slabs)	2	each
PRECAST CONCRETE GIRDERS			
16	Precast pre-tensioned concrete girders 21.15m long (including strands and reinforcement)		
	a) Manufacture	5	each
	b) Delivery and stacking	5	each
	c) Erection	5	each
COMPLETION OF SUPERSTRUCTURE			
17	Concrete in deck and cross girders - 40 MPa	51.3	m ³
18	Steel reinforcement in deck and and cross girders	11.92	tonne
19	Concrete in traffic barriers - 40 MPa	14.5	m ³
20	Steel reinforcement in traffic barriers	1.86	tonne
21	Supply and install Granor AC-AR-100F expansion joints	9.4	m
22	Supply and install traffic barrier cover plate at Abutment A	2	each
23	Supply and install jointing materials at Abutment B-deck joint (including non-sag non-trafficable joint sealant and cellular polystyrene sheet	-	item

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APPROACH SLABS			
24	Damp proof under approach slabs	58	m ²
26	Concrete in approach slabs - 40 MPa	14.4	m ³
25	Steel reinforcement in approach slabs	2.47	tonne
26	Supply and install protection angle 90x10EA, 4.716m long with shear connectors	4	each
27	Supply and install jointing materials at abutment-approach slab joint (including non-sag non-trafficable joint sealant and cellular polystyrene sheet)	-	item
MISCELLANEOUS ITEMS			
28	100mm diameter UPVC conduit, including bends	54.6	m
29	Supply and fix name plates	2	each
DEMOLITION OF EXISTING BRIDGE			
31	Demolition of existing concrete bridge (16m two span cast in-situ concrete bridge 9m wide)	-	item
32	Demolition of timber pile and brick abutments from old bridge	-	item