



Region: GNWT
 Project: Jean Marie River
 Date: 5/17/2024

Jean Marie River Bridge Replacement Material Estimate - Type C

Bid No.	Bid Item Description	Unit	Estimated Quantity
1	Mobilization & Demobilization	each	1
ROADWAY ITEMS			
2	Clearing and Grubbing	ha	0.19
3	Stripping	m ³	3080
4	Roadway Excavation Common	m ³	4510
5	Embankment Construction - from Roadway Excavation Common (Onsite)	m ³	4510
6	Embankment Construction - from Borrow Excavation Common (Offsite)	m ³	2350
7	Removal and Disposal of Waste Stripping Material	m ³	2110
8	Subgrade Preparation	m ²	7000
9	Topsoil Placement	ha	1.0
10	Hydroseeding	ha	1.0
11	Granular Base Course	m ³	1720
12	Granular Subbase Course	m ³	2980
13	Removal and Disposal of Existing Asphaltic Surface Treatment	m ²	2000
14	Supply and Installation of Asphaltic Surface Treatment	m ²	160
15	Removal and Disposal of Existing Culvert	m	24
16	Supply and Installation of CSP Culvert	m	51
17	Removal and Disposal of Existing Steel Guardrail	m	90
18	Removal and Disposal of Existing Concrete Barrier	m	380
19	Supply and Installation of W-Beam Guardrail	m	168
20	Removal and Disposal of Existing Traffic Signs	each	20
21	Supply and Installation of Traffic Signs	each	13
22	Temporary Roadway Line Markings	km	0.40
23	Detour Road (including Temporary Bridge) - Construct, maintenance, and removal	each	1
24	Temporary Traffic Signal for SLAT over Temporary Bridge	each	1
STRUCTURAL ITEMS			
27	Survey	Each	1
28	Environmental Protection	Each	1
29	Traffic Accommodation	Each	1
30	Removal and Disposal of Existing Bridge Structure	Each	1
31	Excavation - Structural	Each	1
32	Backfill	Each	1
33	Heavy Rock Riprap - Imported	m ³	500
34	Heavy Rock Riprap - Relocating Salvaged	Each	1
35	Smaller Riprap - Imported	m ³	160
36	Heavy Rock Riprap - Granular Filter Base	m ³	100
37	Supply of Piling - HP 360x152	m	427
38	Supply of Piling - HP 310x153	m	133
39	Pile Set-up - - HP 360x152	piles	28
40	Pile Set-up - - HP 310 x 125	piles	8
41	Pile Driving - HP 360x152	m	427
42	Pile Driving - HP 310 x 125	m	133
43	Pile Tip Reinforcement - HP 360 x 152	Each	28
44	Pile Tip Reinforcement - HP 310 x 125	Each	8
45	PDA Testing and CAPWAP Analysis	tests	6
46	Precast Concrete Supply, Delivery and Installation - Abutment Seats	Each	1
47	Precast Concrete Supply, Delivery and Installation - Abutment Diaphragms	Each	1
48	Precast Concrete Supply, Delivery and Installation - Abutment Wingwalls	Each	1
49	Precast Concrete Supply, Delivery and Installation - Approach Slabs	Each	1
50	Precast Concrete Supply, Delivery and Installation - Approach Slab Sleeper Beam	Each	1

51	Precast Concrete Supply, Delivery and Installation - Deck Panels	Each	1
52	Concrete for Deck Panel Joints and Haunches	m ³	37.1
53	Class C Concrete – Supply and Place	m ³	0.40
54	Plain Reinforcing Steel – Precast Concrete Extra Supply and Place*	kg	1
55	Stainless Reinforcing Steel – Precast Concrete Extra Supply and Place*	kg	1
56	Plain Reinforcing Steel - Field Placement Supply	kg	1960
57	Reinforcing Steel - Field Place	kg	1933
58	Bearings – Supply and Fabrication, Delivery and Installation	Each	1
59	Structural Steel Girders - Supply and Fabrication, Delivery and Erection	Each	1
60	Sealer - Supply and Application	Each	1
61	TL-4 Double Tube Bridgerail – Supply & Installation	Each	1
62	Drain Trough	m	30