

CLASS D COST ESTIMATE - Predesign

Shiktehawk Interpretive Site

Client: Town of Florenceville-Bristol

Project Number: 11740

Date: September 18, 2018



Item	Qty.	Unit	Unit Cost	Item Cost
Demolition * Site Size (15 acres approximate)				
Erosion Sedimentation Control	350	lm	20	\$ 7,000.00
Clearing & Grubbing for Trails	3000	m ²	4	\$ 12,000.00
Clearing & Grubbing for Roadway	4500	m ²	4	\$ 18,000.00
Selective Thinning of Site	25000	m ²	4	\$ 100,000.00
Selective Clearing & Grubbing (meadows)	5000	m ²	4	\$ 20,000.00
Chipping of Cleared Timber	1	Lump	20000	\$ 20,000.00
Removal of Hedge	1	Lump	10000	\$ 10,000.00
Rough Grading	12000	m ²	2	\$ 24,000.00
Finish Grading	12000	m ²	2	\$ 24,000.00
Conversion of Boat launch road to trail	200	m ²	5	\$ 1,000.00
			Subtotal	\$ 236,000.00
Site Work				
Surveying	1	lump	15000	\$ 15,000.00
Wood Chip Trails	3000	m ²	12	\$ 36,000.00
Wood Boardwalk/"Bridges"/"dock"	1	lump	25000	\$ 25,000.00
Gravel/Crusherdust Internal Roadway	4900	m ²		
Type 1 base	735	m ³	40	\$ 29,400.00
Type 2 Sub-base	1470	4500m ³	30	\$ 44,100.00
Crusherdust (100 mm)	490	m ³	30	\$ 14,700.00
Gravel/Crusherdust Boat Launch Parking	490	m ²		
Type 1 Fill (150 mm)	75	m ³	40	\$ 3,000.00
Type 2 Fill (300 mm)	150	m ³	30	\$ 4,500.00
Crusherdust (100 mm)	55	m ³	30	\$ 1,650.00
Gravel/Crusherdust Boat Launch Roadway	530	m ²		
Type 1 base	80	m ³	40	\$ 3,200.00
Type 2 Sub-base	160	m ³	30	\$ 4,800.00
Crusherdust (100 mm)	55	m ³	30	\$ 1,650.00
Engineered Fill	1000	m ³	25	\$ 25,000.00
Asphalt Parking Lot	1975	m ²		
Type 1 Fill (150 mm)	300	m ³	40	\$ 12,000.00
Type 2 Fill (300 mm)	600	m ³	30	\$ 18,000.00
Asphalt (100mm thick)	483	tonnes	130	\$ 62,790.00
Line Painting	1	lump	1000	\$ 1,000.00
Concrete Curbing	82	lm	80	\$ 6,560.00
Tire stops	44	ea.	200	\$ 8,800.00
Crusherdust Service Road Loop				
Type 1 Fill (150 mm)	130	m ³	40	\$ 5,200.00
Type 2 Fill (300 mm)	260	m ³	30	\$ 7,800.00
Crusherdust (100 mm)	85	m ³	30	\$ 2,550.00
Security Gates	2	each	5000	\$ 10,000.00
Boulders (for traffic control)	100	each	100	\$ 10,000.00
Picnic Tables	10	ea	600	\$ 6,000.00
Entry Plaza/Walks (Concrete Unit Pavers)	160	m ²	215	\$ 34,400.00
Aboriginal Garden (300 sq.m.)				
Topsoil (400 mm deep)	120	m ³	35	\$ 4,200.00
Mulch (75 mm deep)	25	m ³	45	\$ 1,125.00
Planting	1	lump	25000	\$ 25,000.00
Pow Wow Circle				
Retaining Wall (soft style)	200	m ²	250	\$ 50,000.00
Paving (Concrete Unit Pavers)	650	m ²	215	\$ 139,750.00
Fire Pit	15	lm	250	\$ 3,750.00
Seating Wall (Stone 500x500x 1000mm blocks)	1	Lump	25000	\$ 25,000.00
Site Planting				
Tree's	50	ea.	350	\$ 17,500.00

Shrubs	100	ea.	50	\$	5,000.00
			Subtotal	\$	664,425.00
Nature Playground					
Playground	1	Lump	100000	\$	100,000.00
Benches	4	ea.	2500	\$	10,000.00
			Subtotal	\$	110,000.00
Structures					
Museum/Visitor Centre	560	m ²	3750	\$	2,100,000.00
Interior Furnishings/Interpretation	1	lump	1000000	\$	1,000,000.00
Wood Lookout Tower	1	m ²	100000	\$	100,000.00
Amphitheatre (stone/concrete)	1	ea.	75000	\$	75,000.00
Picnic Shelters	3	ea.	10000	\$	30,000.00
Picnic Tables	10	ea	600	\$	6,000.00
			Subtotal	\$	3,311,000.00
Infrastructure					
Electrical Conduit/Wiring	70	Lm	180	\$	12,600.00
Well	1	lump	10000	\$	10,000.00
Sewer	70	Lm	200	\$	14,000.00
Communications	1	Lump	25000	\$	25,000.00
			Subtotal	\$	61,600.00
Interpretive Node Features (20 sites)					
CorTen Steel Panel Interpretive Images	20	ea.	5000	\$	100,000.00
Interpretive Panel	20	ea.	4500	\$	90,000.00
Stone Seating	10	ea.	1500	\$	15,000.00
Log seating	10	ea.	1500	\$	15,000.00
Directional Signage	20	ea.	300	\$	6,000.00
			Subtotal	\$	226,000.00
Site Signage					
Entry Sign	2	ea.	10000	\$	20,000.00
Interpretive Signs (excluding Nodes)	4	ea.	4500	\$	18,000.00
Directional Signage	30	ea.	300	\$	9,000.00
Highway Sign	2	ea.	5000	\$	10,000.00
			Subtotal	\$	57,000.00
Miscellaneous					
Archaeological Services	1	lump	500000	\$	500,000.00
First Nations Engagement	1	lump	100000	\$	100,000.00
Stakeholder Engagement	1	lump	20000	\$	20,000.00
Road Train	1	lump	50000	\$	50,000.00
Site Art	1	lump	250000	\$	250,000.00
Benches	10	ea.	2500	\$	25,000.00
Flagpoles	5	ea.	3000	\$	15,000.00
Bike Rack	1	ea.	3000	\$	3,000.00
Waste Receptacles	5	ea.	1500	\$	7,500.00
			Subtotal	\$	970,500.00
				TOTAL	\$ 5,636,525.00
				Contingency & Design Fees 35%	\$ 1,972,783.75
				Sub-Total	\$ 7,609,308.75
				O & M 5%	\$ 380,465.44
				Marketing	\$ 75,000.00
				Branding/Positioning	\$ 10,000.00
				GRAND TOTAL	\$ 8,074,774.19