

Whitewater Township

Engineer's Estimate of Probable Construction Cost** Whitwater Park Improvements - Phased Approach



Project: 842850
Date: 11/3/2022
By: rws

BID PACKAGE PHASE 1 - BOAT LAUNCH & BASIC SITE WORK (GRASS OVERFLOW PARKING)					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ESTIMATED AMOUNT
1	General Conditions, Bonds, Insurance, and Mobilization (5% max)	Lsum	1	\$ 16,000	\$ 16,000
2	Soil Erosion Control	Lsum	1	\$ 5,000	\$ 5,000
3	Tree Removal	Lsum	1	\$ 15,000	\$ 15,000
4	Miscellaneous Removals	Lsum	1	\$ 5,000	\$ 5,000
5	Site Preparation & Grading	Lsum	1	\$ 40,000	\$ 40,000
6	8" Aggregate Base	Syd	5,322	\$ 10	\$ 53,220
7	HMA, 13A	Ton	130	\$ 120	\$ 15,600
8	HMA, 36A	Ton	130	\$ 120	\$ 15,600
9	Geotextile Fabric	Syd	375	\$ 5	\$ 1,875
10	Turbidity Curtain	Lsum	1	\$ 4,000	\$ 4,000
11	A.R.E.A #4 Crushed Stone	Cyd	275	\$ 60	\$ 16,500
12	Conc. Pav't., 8 inch	Sft	2,115	\$ 8	\$ 16,920
13	4'x18'x8" Precast Concrete Planks - 3 Lanes	Ea	22	\$ 1,800	\$ 39,600
14	Precast Concrete Planks - Salvaged	Ea	11	\$ 900	\$ 9,900
15	Rubber Belt	Lsum	1	\$ 1,800	\$ 1,800
16	Skid Pier	Ea	2	\$ 15,000	\$ 30,000
17	CD3 Boat Wash	Lsum	1	\$ 40,000	\$ 40,000
18	3" DIA. SCH 40 Conduit	FT	360	\$ 15	\$ 5,400
19	Slope Restoration - Grass Parking	Lsum	1	\$ 35,000	\$ 35,000
20	Turf Establishment, Performance	Lsum	1	\$ 5,000	\$ 5,000

Subtotal \$ 371,415

Contingency** 15% \$ 55,712

Phase 1 - Total Estimated Project Cost (Rounded): \$ 427,127

GRAVEL PARKING PHASE 2					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ESTIMATED AMOUNT
1	General Conditions, Bonds, Insurance, and Mobilization (5% max)	Lsum	1	\$ 5,000	\$ 5,000
2	8" Aggregate Base	Syd	4,800	\$ 10	\$ 48,000
3	Drainage Structure, 4' Dia	Ea	3	\$ 2,000	\$ 6,000
4	Storm Sewer, 12 Inch	Ft	300	\$ 50	\$ 15,000
5	Rip Rap	Syd	20	\$ 100	\$ 2,000

Subtotal \$ 76,000

Contingency** 25% \$ 19,000

Phase 2 - Total Estimated Project Cost (Rounded): \$ 95,000

Additional Items - Future

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ESTIMATED AMOUNT
A	CD3 Boat Wash	Lsum	1	\$ 40,000	\$ 40,000
B	Boulder Wall	Ton	225	\$ 50	\$ 11,250
C	4'x18'x8" Precast Concrete Planks - 1 Lane	Ea	11	\$ 1,800	\$ 19,800
D	Ranger Station	Lsum	1	\$ 60,000	\$ 60,000
E	Conc. Pav't., 8 inch	Sft	200	\$ 8	\$ 1,600
F	Conc. Sidewalk , 4 Inch	Sft	450	\$ 5	\$ 2,250
G	Conc. Sidewalk with integral curb	Sft	320	\$ 7	\$ 2,240
H	Utilities - Ranger Station	Lsum	1	\$ 10,000	\$ 10,000

Subtotal \$ 147,140

Contingency** 30% \$ 44,142

Additional Items - Total Estimated Project Cost (Rounded): \$ 191,282

**The Design Professional has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing. Bid prices may vary significantly based on these factors and market conditions at time of bid and are subject to supply chain delays.
Project bids are based on measurement and payment on a unit basis of items actually installed. Project elements may be scaled back