



PROBABLE CONSTRUCTION COST OPINION

Owner: Shrewsbury Township
 Project Title: Miller Park Master Plan Update

Date Prepared 10/26/2016

Passive Park Area

Item No.	Work Item	No. of Units	Unit Cost	Total Cost
1	Demolition/Site Preparation			\$1,100
	A. Misc. Site Preparation	1 LS	\$1,100.00	\$1,100
2	Earthwork			\$10,187
	A. Strip/Stockpile/Replace Topsoil	370 CY	\$4.40	\$1,628
	B. Grading Operations	2,075 CY	\$4.13	\$8,559
3	8' Wide Bituminous Trail (40 lf @ steep slope)			\$6,186
	A. Excavation	56 CY	\$4.40	\$246
	B. 6" 2A Coarse Aggregate	225 SY	\$9.90	\$2,228
	C. 2" Binder Course	225 SY	\$8.80	\$1,980
	D. 1" Wearing Course	225 SY	\$7.70	\$1,733
4	8' Wide Aggregate Walk (3,285 lf)			\$38,544
	A. Excavation	730 CY	\$4.40	\$3,212
	B. 6" 2A Coarse Aggregate	2,920 SY	\$9.90	\$28,908
	C. 1" #10 Coarse Aggregate, Choked In	2,920 SY	\$2.20	\$6,424
5	Concrete			\$12,278
	A. Concrete Pad @ Woods Pavilion	560 SF	\$6.60	\$3,696
	B. Concrete Pad @ Open Lawn Pavilion	1,064 SF	\$6.60	\$7,022
	C. Concrete Pad @ Single Table Pavilion	2 SF	\$780.00	\$1,560
6	Buildings and Structures			\$118,950
	A. Medium Picnic Pavilion @ Woods (16x24)	1 EA	\$27,500.00	\$27,500
	B. Medium Picnic Pavilion @ Open Lawn (24x34)	1 EA	\$44,000.00	\$44,000
	C. Single Table Pavilions	2 EA	\$10,000.00	\$20,000
	D. Pavilion Delivery and Installation (30%)	1 EA	\$27,450.00	\$27,450
7	Site Amenities			\$19,483
	A. Benches	4 EA	\$1,540.00	\$6,160
	B. Trash Receptacle	2 EA	\$825.00	\$1,650
	C. Horseshoe Pits	1 PR	\$1,320.00	\$1,320
	D. Grills	2 EA	\$825.00	\$1,650
	E. Interpretative Signs	3 EA	\$1,320.00	\$3,960
	F. Ship and Install Site Amenities (40% of Costs)	1 LS	\$4,743.20	\$4,743
8	Landscaping			\$52,116
	A. Seeding	72,400 SF	\$0.24	\$17,521
	B. Shade Trees	20 EA	\$495.00	\$9,900
	C. Flowering Trees	12 EA	\$385.00	\$4,620
	D. Evergreen Trees	15 EA	\$275.00	\$4,125
	E. Large Shrubs	12 EA	\$137.50	\$1,650
	F. Shrub Allowance	1 LS	\$1,100.00	\$1,100
	G. Meadow Seeding	3 AC	\$4,400.00	\$13,200

9	Stormwater Mgt and Erosion Control			\$20,708
	A. Stormwater Management (4%)	1 LS	\$10,353.81	\$10,354
	B. Erosion Control Measures (4%)	1 LS	\$10,353.81	\$10,354
10	Bond Mobilization and Layout			\$33,546
	A. Bond Mobilization and Layout (12%)	1 LS	\$33,546.33	\$33,546
11	Contingency			\$31,310
	A. 10% Contingency	1 LS	\$31,309.91	\$31,310
12	Professional Fees			\$51,661
	A. Design, Engineering and Permitting (15%)	1 LS	\$51,661.36	\$51,661
	Total			\$396,070

Cost estimate does not include utility connection fees, utility extensions, location and/or relocation, improvements to existing roads and intersections, electric service or distribution, soil amendments, rock excavation, and construction inspection fees.

YSM is not a construction contractor and therefore probable construction cost opinions are based solely upon our experience with construction. This requires YSM to make a number of assumptions as to actual conditions which will be encountered on the site; the specific decisions of other design professionals engaged; the means and methods of construction the contractor will employ; contractors' techniques in determining prices and market conditions at the time, and other factors over which YSM has no control. Given these assumptions which must be made, YSM states that the above probable construction cost opinion is a fair and reasonable estimate for construction costs.