

**Commonwealth of Pennsylvania  
Department of Conservation and Natural Resources  
Bureau of Recreation and Conservation**

**PROBABLE COSTRUCTION COST OPINION  
Community Park 2 - Module A**

Grantee: Oxford Area Recreational Authority  
Project Title: Oxford Regional Park

Date Prepared 8/23/2005  
DCNR Project No.

<b>Item No.</b>	<b>Work Item</b>	<b>No. of Units</b>	<b>Unit Cost</b>	<b>Total Cost</b>
1	<b>Demolition/Site Preperation</b>			<b>\$1,700.00</b>
	A. General Demolition	1 LS	\$1,700.00	\$1,700.00
2	<b>Earthwork</b>			<b>\$79,600.00</b>
	A. Strip/Stockpile/Replace Topsoil	2,700 CY	\$3.00	\$8,100.00
	B. Bulk Cut	11,000 CY	\$2.50	\$27,500.00
	C. Bulk Fill	11,000 CY	\$4.00	\$44,000.00
3	<b>Erosion Control Measures</b>			<b>\$51,230.00</b>
	A. 18" Silt Fence	100 LF	\$1.80	\$180.00
	B. 30" Silt Fence	150 LF	\$2.00	\$300.00
	C. Super Silt Fence	150 LF	\$4.50	\$675.00
	D. Rock Filter Outlet	5 EA	\$150.00	\$750.00
	E. Diversion/Interceptor Swales	1,000 SY	\$2.50	\$2,500.00
	F. Stabilized Construction Entrance	1 EA	\$850.00	\$850.00
	G. Sediment Basin	1 EA	\$8,500.00	\$8,500.00
	H. Temporary Seeding	35,000 SF	\$0.08	\$2,800.00
	I. Rock Filter	2 EA	\$250.00	\$500.00
	J. Sediment Basin Skimmer	1 LS	\$1,575.00	\$1,575.00
	K. Anti-vortex Device	1 LS	\$750.00	\$750.00
	L. Permanent Swales	3,000 LF	\$4.60	\$13,800.00
	M. Inlet Protection	2 EA	\$100.00	\$200.00
	N. Outlet Protection	2 EA	\$250.00	\$500.00
	O. 15" CMP	100 LF	\$24.00	\$2,400.00
	P. Emergency Spillway Lining	200 SY	\$6.00	\$1,200.00
	Q. Slope Lining (Curlex)	5,500 SY	\$2.50	\$13,750.00
4	<b>8' Bituminous Trail</b>			<b>\$14,100.00</b>
	A. Excavation	300 CY	\$3.00	\$900.00
	B. Bituminous Paving and Base	600 SY	\$22.00	\$13,200.00
5	<b>Tennis Court (4)</b>			<b>\$93,581.25</b>
	A. Fine Grading and Compaction	925 CY	\$3.25	\$3,006.25
	B. Stone Base	3,025 SY	\$7.00	\$21,175.00
	C. Binder Coarse	3,000 SY	\$4.10	\$12,300.00
	D. Wearing Coarse	3,000 SY	\$3.35	\$10,050.00
	E. Color Coat	3,000 SY	\$3.75	\$11,250.00
	F. 10 Foot High Fencing	900 LF	\$33.00	\$29,700.00
	G. Gates	4 EA	\$125.00	\$500.00
	H. Post and Nets	4 SET	\$1,400.00	\$5,600.00
6	<b>Tot Lot (Ages 2-5)</b>			<b>\$41,135.00</b>
	A. Play Equipment	1 LS	\$20,000.00	\$20,000.00
	B. Play Equipment Installation	1 LS	\$8,000.00	\$8,000.00
	C. Excavation Fine Grade and Compaction	200 CY	\$3.30	\$660.00
	D. Concrete Curbing Edging	200 LF	\$18.00	\$3,600.00
	E. Underdrain	100 LF	\$10.00	\$1,000.00
	F. Safety Surface (Mulch)	150 CY	\$27.00	\$4,050.00
	G. Stone Base and Filter Fabric	450 SY	\$8.50	\$3,825.00

7	<b>Concrete Walks/Plaza Areas</b> A. Concrete Pavement	300 SF	\$6.00	<b>\$1,800.00</b> \$1,800.00
8	<b>Access Drive and Parking</b> A. Bituminous Paving and Base B. Concrete Curb	4,430 SY 2,250 LF	\$22.00 \$18.00	<b>\$137,960.00</b> \$97,460.00 \$40,500.00
9	<b>Retaining Walls</b> A. Retaining Walls	2,000 SF	\$25.00	<b>\$50,000.00</b> \$50,000.00
10	<b>Stormwater Facilities</b> A. Type 'M' Inlets B. Type 'C' Inlets C. 2' x 2' Yard Inlets D. Flared End Sections E. Type DW Endwall F. Manhole G. 8" SLCPP Pipe H. 15" SLCPP Pipe I. 18" SLCPP Pipe J. 24" SLCPP Pipe K. 30" SLCPP Pipe L. Level Spreader M. Sotrmwater Management Facility	4 EA 4 EA 2 EA 2 EA 2 EA 2 EA 50 LF 80 LF 100 LF 150 LF 80 LF 2 EA 1 LS	\$1,200.00 \$1,500.00 \$732.00 \$244.00 \$977.00 \$1,270.00 \$13.00 \$24.00 \$26.00 \$32.00 \$40.00 \$1,200.00 \$35,000.00	<b>\$67,816.00</b> \$4,800.00 \$6,000.00 \$1,464.00 \$488.00 \$1,954.00 \$2,540.00 \$650.00 \$1,920.00 \$2,600.00 \$4,800.00 \$3,200.00 \$2,400.00 \$35,000.00
11	<b>Site Amenities</b> A. Benches w/o backs B. Trash Receptacle C. Water Fountain D. Bicycle Rack E. Bollards F. Vehicular Gates	4 EA 3 EA 2 EA 2 EA 8 EA 2 EA	\$660.00 \$700.00 \$3,369.00 \$227.00 \$150.00 \$1,550.00	<b>\$16,232.00</b> \$2,640.00 \$2,100.00 \$6,738.00 \$454.00 \$1,200.00 \$3,100.00
12	<b>Landscaping</b> A. Lawn Seeding B. Evergreen Trees C. Shade Trees D. Flowering Trees E. Shrubs F. Perennials / Grasses	75,000 SF 20 EA 20 EA 15 EA 55 EA 100 EA	\$0.07 \$250.00 \$350.00 \$250.00 \$50.00 \$30.00	<b>\$26,750.00</b> \$5,250.00 \$5,000.00 \$7,000.00 \$3,750.00 \$2,750.00 \$3,000.00
13	<b>Park Entrance Sign</b> A. Information Kiosk B. Park Entrance Sign	1 LS 1 LS	\$2,500.00 \$3,500.00	<b>\$6,000.00</b> \$2,500.00 \$3,500.00
14	<b>Professional Services</b> A. Survey B. Design and Engineering Fees	1 LS 1 LS	\$12,500.00 \$47,032.34	<b>\$59,532.34</b> \$12,500.00 \$47,032.34
15	<b>Bond Mobilization and Layout</b> A. Bond Mobilization and Layout	1 LS	\$51,794.93	<b>\$51,794.93</b> \$51,794.93
16	<b>Contingency</b> A. 10% Contingency	1 LS	\$69,923.15	<b>\$69,923.15</b> \$69,923.15
	<b>Total</b>			<b>\$767,454.67</b>

**Cost estimate does not include any utility connection fees, off site utility extension, utility location and/or relocation, removal of unsuitable materials, soil ammendments, scoreboard, import of fill material, bleachers, 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.

**Commonwealth of Pennsylvania  
Department of Conservation and Natural Resources  
Bureau of Recreation and Conservation**

**PROBABLE COSTRUCTION COST OPINION  
Community Park 2 - Module B**

Grantee: Oxford Area Recreational Authority  
Project Title: Oxford Regional Park

Date Prepared 8/23/2005  
DCNR Project No.

<b>Item No.</b>	<b>Work Item</b>	<b>No. of Units</b>	<b>Unit Cost</b>	<b>Total Cost</b>
1	<b>Demolition/Site Preperation</b>			<b>\$2,500.00</b>
	A. General Demolition	1 LS	\$2,500.00	\$2,500.00
2	<b>Earthwork</b>			<b>\$388,150.00</b>
	A. Strip/Stockpile/Replace Topsoil	11,300 CY	\$3.00	\$33,900.00
	B. Bulk Cut	54,500 CY	\$2.50	\$136,250.00
	C. Bulk Fill	54,500 CY	\$4.00	\$218,000.00
3	<b>Erosion Control Measures</b>			<b>\$15,500.00</b>
	A. Erosion Control Measures	1 LS	\$15,500.00	\$15,500.00
4	<b>8' Bituminous Trail</b>			<b>\$105,750.00</b>
	A. Excavation	1150 CY	\$3.00	\$3,450.00
	B. Bituminous Paving and Base	4,650 SY	\$22.00	\$102,300.00
5	<b>Multi-Purpose Courts (3)</b>			<b>\$84,286.25</b>
	A. Fine Grading and Compaction	765 CY	\$3.25	\$2,486.25
	B. Stone Base	2,400 SY	\$8.00	\$19,200.00
	C. Binder Coarse	2,400 SY	\$5.00	\$12,000.00
	D. Wearing Coarse	2,400 SY	\$4.00	\$9,600.00
	E. Color Coat	2,400 SY	\$3.75	\$9,000.00
	F. Chain Link Fence	650 LF	\$30.00	\$19,500.00
	G. Basketball Posts/Goals and Nets	6 EA	\$1,250.00	\$7,500.00
	H. Combo Basketball Posts/Goals and Nets	2 EA	\$2,500.00	\$5,000.00
6	<b>Concrete Walks/Plaza Areas</b>			<b>\$1,800.00</b>
	A. Concrete Pavement	300 SF	\$6.00	\$1,800.00
7	<b>Retaining Walls</b>			<b>\$50,000.00</b>
	A. Retaining Walls	2,000 SF	\$25.00	\$50,000.00
8	<b>Stormwater Facilities</b>			<b>\$14,000.00</b>
	A. Stormwater Management	1 LS	\$14,000.00	\$14,000.00
9	<b>Site Amenities</b>			<b>\$11,100.00</b>
	A. Picnic Tables	2 EA	\$420.00	\$840.00
	B. Benches	4 EA	\$1,000.00	\$4,000.00
	C. Trash Receptacle	4 EA	\$790.00	\$3,160.00
	D. Vehicular Gates	2 EA	\$1,550.00	\$3,100.00
10	<b>Pavilions</b>			<b>\$87,700.00</b>
	A. Small Pavilion	2 EA	\$28,000.00	\$56,000.00
	B. Footers	10 EA	\$400.00	\$4,000.00
	C. Installation	2 EA	\$9,800.00	\$19,600.00
	D. Concrete Pad	1350 SF	\$6.00	\$8,100.00
11	<b>Well</b>			<b>\$7,500.00</b>
	A. Well	1 LS	\$7,500.00	\$7,500.00

12	<b>Landscaping</b>			<b>\$39,550.00</b>
	A. Lawn Seeding	100,000 SF	\$0.07	\$7,000.00
	B. Athletic Field Seeding	100,000 SF	\$0.08	\$8,000.00
	C. Evergreen Trees	25 EA	\$250.00	\$6,250.00
	D. Shade Trees	30 EA	\$350.00	\$10,500.00
	E. Flowering Trees	20 EA	\$250.00	\$5,000.00
	F. Shrubs	50 EA	\$50.00	\$2,500.00
	G. Perennials / Grasses	10 EA	\$30.00	\$300.00
13	<b>Professional Services</b>			<b>\$64,626.90</b>
	A. Design and Engineering Fees	1 LS	\$64,626.90	\$64,626.90
14	<b>Bond Mobilization and Layout</b>			<b>\$69,797.05</b>
	A. Bond Mobilization and Layout	1 LS	\$69,797.05	\$69,797.05
15	<b>Contingency</b>			<b>\$94,226.02</b>
	A. 10% Contingency	1 LS	\$94,226.02	\$94,226.02
	<b>Total</b>			<b>\$1,033,986.22</b>

**Cost estimate does not include any utility connection fees, off site utility extension, utility location and/or relocation, removal of unsuitable materials, soil ammendments, scoreboard, import of fill material, bleachers, and construction inspection fees.**

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**Commonwealth of Pennsylvania  
Department of Conservation and Natural Resources  
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**PROBABLE COSTRUCTION COST OPINION  
Community Park 2 - Module C**

Grantee: Oxford Area Recreational Authority  
Project Title: Oxford Regional Park

Date Prepared 8/25/2005  
DCNR Project No.

<b>Item No.</b>	<b>Work Item</b>	<b>No. of Units</b>	<b>Unit Cost</b>	<b>Total Cost</b>
1	<b>Demolition/Site Preperation</b>			<b>\$1,200.00</b>
	A. General Demolition	1 LS	\$1,200.00	\$1,200.00
2	<b>Earthwork</b>			<b>\$32,250.00</b>
	A. Strip/Stockpile/Replace Topsoil	1,000 CY	\$3.00	\$3,000.00
	B. Bulk Cut	4,500 CY	\$2.50	\$11,250.00
	C. Bulk Fill	4,500 CY	\$4.00	\$18,000.00
3	<b>Erosion Control Measures</b>			<b>\$12,500.00</b>
	A. Erosion Control Measures	1 LS	\$12,500.00	\$12,500.00
5	<b>6'- Stone Dust Trail</b>			<b>\$3,950.00</b>
	A. Excavation	150 CY	\$3.00	\$450.00
	B. 2A Stone 6" Deep	400 SY	\$6.50	\$2,600.00
	C. Stone Dust, 1" Choked In	600 LF	\$1.50	\$900.00
6	<b>Volleyball Court - (2)</b>			<b>\$17,375.00</b>
	A. Sand	900 SY	\$10.00	\$9,000.00
	B. Timber Edging	550 LF	\$7.00	\$3,850.00
	C. Excavation Backfill and Compaction	100 CY	\$3.25	\$325.00
	D. Net and Posts	2 SET	\$1,200.00	\$2,400.00
	E. Geotextile Material	900 SY	\$2.00	\$1,800.00
7	<b>Horse Shoe Pit - (4)</b>			<b>\$2,792.50</b>
	A. Sand	15 SY	\$10.00	\$150.00
	B. Timber Edging	112 LF	\$15.00	\$1,680.00
	C. Steel Pegs	8 EA	\$100.00	\$800.00
	D. Excavation Backfill and Compaction	50 CY	\$3.25	\$162.50
8	<b>Access Drive and Parking</b>			<b>\$77,690.00</b>
	A. 1" ID2 Wearing Course	2,345 SY	\$22.00	\$51,590.00
	B. Concrete Curb	1,450 LF	\$18.00	\$26,100.00
9	<b>Retaining Walls</b>			<b>\$5,000.00</b>
	A. Retaining Walls	200 SF	\$25.00	\$5,000.00
10	<b>Stormwater Facilities</b>			<b>\$9,500.00</b>
	A. Stormwater Management	1 EA	\$9,500.00	\$9,500.00
11	<b>Site Amenities</b>			<b>\$10,100.00</b>
	A. Picnic Tables	6 EA	\$420.00	\$2,520.00
	B. Benches w/o backs	2 EA	\$660.00	\$1,320.00
	C. 32 gal Trash Receptacle	4 EA	\$790.00	\$3,160.00
	D. Vehicular Gates	2 EA	\$1,550.00	\$3,100.00
12	<b>Well</b>			<b>\$7,500.00</b>
	A. Well	1 LS	\$7,500.00	\$7,500.00
13	<b>Pavilions</b>			<b>\$87,700.00</b>
	A. Small Pavilion	2 EA	\$28,000.00	\$56,000.00
	B. Footers	10 EA	\$400.00	\$4,000.00
	C. Installation	2 EA	\$9,800.00	\$19,600.00
	D. Concrete Pad	1350 SF	\$6.00	\$8,100.00

14	<b>Landscaping</b>			<b>\$13,150.00</b>
	A. Lawn Seeding	60,000 SF	\$0.07	\$4,200.00
	B. Shade Trees	10 EA	\$350.00	\$3,500.00
	C. Flowering Trees	10 EA	\$250.00	\$2,500.00
	D. Shrubs	20 EA	\$50.00	\$1,000.00
	E. Perennials / Grasses	65 EA	\$30.00	\$1,950.00
15	<b>Park Entrance Sign</b>			<b>\$10,000.00</b>
	A. Information Kiosk	1 LS	\$5,500.00	\$5,500.00
	B. Park Entrance Sign	1 LS	\$4,500.00	\$4,500.00
16	<b>Professional Services</b>			<b>\$35,756.60</b>
	A. Survey	1 LS	\$12,500.00	\$12,500.00
	B. Design and Engineering Fees	1 LS	\$23,256.60	\$23,256.60
17	<b>Bond Mobilization and Layout</b>			<b>\$26,117.13</b>
	A. Bond Mobilization and Layout	1 LS	\$26,117.13	\$26,117.13
18	<b>Contingency</b>			<b>\$35,258.12</b>
	A. 10% Contingency	1 LS	\$35,258.12	\$35,258.12
	<b>Total</b>			<b>\$387,839.35</b>

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