

UNIT LEGENDS: LS=Lump Sum, SF=Square Feet, SY=Square Yards, EA=Each,
LF=Lineal Foot, FF=Face Feet, CY=Cubic Yards
Phase 1 / Phase II / Phase III

Lilleskogen Park - Preliminary Cost Estimate 1/3/07

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No.	Section 1 - Site Surveying	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Provide all necessary construction surveying and staking to meet layout and grading requirements for all facets of paving and site improvements work - complete.	1	LS	\$7,000.00	\$7,000.00
Section 1 - Site Surveying Total					\$7,000.00
No.	Section 2 - Earthwork	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	On-site earthwork as required to achieve plan grades and an on-site balance - complete including 1) misc. tree removal 2) stripping, stockpiling, respreading, and fine grading of topsoil; 3) common excavation of subsoil materials to achieve subgrade elevations required to construct parking lot, curbing, trails, walks, bioretention areas 4) grade maintenance and tree protection as necessary for the duration of construction; 5) use of erosion control measures	1	LS	\$25,000.00	\$25,000.00
Section 2 - Earthwork Total					\$25,000.00
No.	Section 3 - Site Utilities	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Furnish and install 15" RCP	50	LF	\$28.00	\$1,400.00
2	Furnish and install control structure	1	EA	\$5,000.00	\$5,000.00
3	Furnish and install rip rap at pipe and control structure outlets	4	EA	\$400.00	\$1,600.00
Section 3 - Site Utilities Total					\$8,000.00
No.	Section 4 - Bituminous, Concrete Pavement and Boardwalk	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Furnish and install bituminous paving for parking lot	500	SY	\$26.00	\$13,000.00
2	Furnish and install bituminous paving for 6' wide trail	1,803	SY	\$20.00	\$36,060.00
3	Furnish and install 6' wide boardwalk	415	LF	\$150.00	\$62,250.00
4	Furnish and install 8' x 15' boardwalk overlook	120	SF	\$50.00	\$6,000.00
5	Furnish and install B6-12 concrete curb and gutter	320	LF	\$15.00	\$4,800.00
6	Furnish and install 4" thick concrete paving for picnic shelter area	1,593	SF	\$5.00	\$7,965.00
Section 4 - Bituminous & Concrete Pavement Total					\$130,075.00
No.	Section 5 - Electrical	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Furnish and install security light for parking lot	1	EA	\$5,000.00	\$5,000.00
Section 5 - Electrical Total					\$5,000.00
Total PHASE 1 Improvements					\$175,075.00

No.	Section 6 - Vegetation Removals	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Clear and grub existing red pines for parking lot and trail alignment	25	EA	\$300.00	\$7,500.00
2	Clear, grub, and herbicide treatment for honeysuckle and buckthorn understory removals	2	AC	\$3,000.00	\$6,000.00
3	Clear and grub invasive aspen, box elder, elm, black willow	2	AC	\$3,000.00	\$6,000.00
4	Herbicide treatment for reed canary grass removals	1	AC	\$2,000.00	\$2,000.00
5	Complete prescribed burns for reed canary grass and woodland invasive removals (every 3 to 5 years)	1	LS	\$2,000.00	\$2,000.00
Section 6 - Removals Total					\$21,500.00
No.	Section 7 - Landscaping - vegetation restoration	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Furnish and install overstory tree (oak, maple, linden)	50	EA	\$150.00	\$7,500.00
2	Furnish and install understory tree (ironwood, pagoda dogwood, nannyberry viburnum)	100	EA	\$75.00	\$7,500.00
3	Furnish and install wetland seed mix	2	AC	\$3,000.00	\$6,000.00
4	Furnish and install wetland edge plugs (if needed)	1	LS	\$5,000.00	\$5,000.00
Section 7 - Landscaping Total - vegetation restoration					\$26,000.00
Total PHASE 2 Improvements					\$47,500.00
No.	Section 8 - Site Furnishings / Miscellaneous	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total (In Dollars)
1	Furnish and install timber picnic shelter	1	EA	\$15,000.00	\$15,000.00
2	Furnish and install picnic table	3	EA	\$1,500.00	\$4,500.00
3	Furnish and install bench	6	EA	\$500.00	\$3,000.00
4	Furnish and install drinking fountain	1	EA	\$5,000.00	\$5,000.00
5	Furnish and install bike rack	1	EA	\$500.00	\$500.00
6	Furnish and install park entrance sign	1	LS	\$5,000.00	\$5,000.00
7	Furnish and install interpretive signage	10	LS	\$300.00	\$3,000.00
Section 8 - Site Furnishings / Miscellaneous Total					\$36,000.00

No.	Section 9 - Landscaping - butterfly garden entry	Estimated Qty.	Unit	Unit Cost (in Dollars)	Total Cost (in Dollars)
1	Furnish and install agastache foeniculum	165	EA	\$5.00	\$825.00
2	Furnish and install big bluestem	165	EA	\$5.00	\$825.00
3	Furnish and install black eyed susan	165	EA	\$5.00	\$825.00
4	Furnish and install blazing star	165	EA	\$5.00	\$825.00
5	Furnish and install butterfly weed	165	EA	\$5.00	\$825.00
6	Furnish and install blazing star	165	EA	\$5.00	\$825.00
7	Furnish and install compass plant	165	EA	\$5.00	\$825.00
8	Furnish and install golden alexander	165	EA	\$5.00	\$825.00
9	Furnish and install helopsis	165	EA	\$5.00	\$825.00
10	Furnish and install indian grass	415	EA	\$5.00	\$2,075.00
11	Furnish and install june grass	415	EA	\$5.00	\$2,075.00
12	Furnish and install joe pye weed	165	EA	\$5.00	\$825.00
13	Furnish and install little bluestem	165	EA	\$5.00	\$825.00
14	Furnish and install lupine	165	EA	\$5.00	\$825.00
15	Furnish and install monarda	165	EA	\$5.00	\$825.00
16	Furnish and install new england aster	165	EA	\$5.00	\$825.00
17	Furnish and install ohio spiderwort	165	EA	\$5.00	\$825.00
18	Furnish and install prairie dropseed	165	EA	\$5.00	\$825.00
19	Furnish and install prairie phlox	165	EA	\$5.00	\$825.00
20	Furnish and install purple coneflower	165	EA	\$5.00	\$825.00
21	Furnish and install side oats grama	165	EA	\$5.00	\$825.00
22	Furnish and install skyblue aster	165	EA	\$5.00	\$825.00
23	Furnish and install swamp milkweed	100	EA	\$5.00	\$500.00
24	Furnish and install switchgrass	830	EA	\$5.00	\$4,150.00
25	Furnish and install wildflower seed mix	1	LS	\$500.00	\$500.00
Section 9 - Landscaping Total - butterfly garden entry					\$25,800.00
Total PHASE 3 Improvements					\$61,800.00
Subtotal:					\$284,375.00
10% Contingency					\$28,437.50
Total Estimated Construction Cost:					\$312,812.50