



Buffalo Creek - Schaffer Road Trail Connection

Project Type: Boardwalk

Project Phase: 0

Project Description:

Directions: In the units column please enter the quantity needed for any item that is not highlighted green. Items that are highlighted in green are generated by the Trail or Parking lot worksheets those quantities should be revised on the work sheet. Line items that will not be used for this project should be hidden. Please do not delete them as you may need them at a later date and the formulas may lose their paths. Before printing please hide this row and unhighlight the green cells.

14-Nov-13

Engineering	No. of Units	Unit	Unit Price	Extension
Mobilization and Meetings	1	LS	\$ 2,975.00	
Land Surveying and Related Field Work	0.5	LS	\$ 8,406.25	
Trail and Culvert Design, Engineering and	1	MI	\$ 16,449.92	
Wetland Services	1	LS	\$ 4,200.00	
Boardwalk Engineering	1	LS	\$ 2,500.00	
Drain Tile Investigation		LS	\$ 3,600.00	\$ -
Engineers Permit Costs		LS	\$ 2,487.50	\$ -
Quantities and Engineer's Estimate	1	LS	\$ 2,333.33	
Total Engineering Services				\$ -

Permitting	No. of Units	Unit	Unit Price	Extension
Illinois Department of Natural Resources		EA	\$ -	\$ -
US. Fish and Wildlife Services		EA	\$ -	\$ -
Illinois Historic Preservation Agency		EA	\$ -	\$ -
US Army Corps of Engineers		EA	\$ -	\$ -
Notice of Intent-Storm Water Discharge-IE	1	EA	\$ 500.00	
SMC Review Fee	1	EA	\$ 2,130.00	
SMC Inspection Deposit	1	EA	\$ 1,700.00	
SMC Jurisdictional Determination	1	EA	\$ 640.00	
SMC Letter of No Wetland Impact	1	EA	\$ 500.00	
LCDOT Application, Review, and Permit F	1	EA	\$ 825.00	
Total Amount Permitting				\$ -

Site Preparation	No. of Units	Unit	Unit Price	Extension
Stabilized Construction Access	1	EA	\$ 2,486.32	\$ 2,486.32
TEMPORARY SITE ACCESS AND FACILITIES		LS	\$ 4,538.17	\$ -
Temporary Construction Fencing - Tree P	200	LF	\$ 2.90	\$ 580.82
Temporary Traffic Control		LS	\$ 6,436.65	\$ -
TEMPORARY WETLAND CROSSING		LS	\$ 4,515.40	\$ -
Silt Fence	1500	LF	\$ 2.34	\$ 3,505.35
TRIANGULAR SILT DIKES	5	EA	\$ 136.17	\$ 680.84
DRAIN INLET FILTERS		EA	\$ 179.96	\$ -
MISCELLANEOUS EROSION CONTROL	0.50	LS	\$ 7,271.68	\$ 3,635.84
SITE CLEARING AND VEGETATION RE	0.8	LS	\$ 11,874.28	\$ 8,905.71
ASPHALT PAVEMENT REMOVAL		SY	\$ 9.55	\$ -
CONCRETE SIDEWALK REMOVAL		SF	\$ 1.98	\$ -
CONCRETE CURB AND GUTTER REMOVAL		LF	\$ 12.48	\$ -
CONCRETE RAMP DEMOLITION		EA	\$ 566.81	\$ -
BUILDING DEMOLITION		LS	\$ 18,041.67	\$ -
SITE DEMOLITION-COMPLETE		LS	\$ 5,706.64	\$ -
Total Amount Site Preparation				\$ 19,794.88

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Trail	No. of Units	Unit	Unit Price	Extension
SITE GRADING	5600	SY	\$ 2.60	\$ 14,560.00
SITE GRADING-SENSITIVE WOODED AREAS		SY	\$ 3.00	\$ -
SUBGRADE PREPARATION	978	SY	\$ 2.54	\$ 2,482.26
SUBGRADE PREPARATION - TRAILS OVER EXISTING		SY	\$ 3.61	\$ -
CULVERT (12" HDPE, 40-60 LF)	2	EA	\$ 2,629.66	\$ 5,259.31
CULVERT (18" HDPE, 40-60 LF)	1	EA	\$ 3,447.87	\$ 1,723.93
AGGREGATE BASE COURSE - CA6, 2" (EX. GRAVEL DRIVEWAY)			\$ 5.51	\$ -
AGGREGATE BASE COURSE, CA-6, 3"			\$ 4.80	\$ -
Aggregate Base Course, CA-6, 5 inch	978	SY	\$ 7.76	\$ 7,587.62
Aggregate Base Course CA-6, 6" (Asphalt)	0	SY	\$ 8.64	\$ -
Aggregate Surface Course, FA-21, 3 inch	889	SY	\$ 6.27	\$ 5,574.03
HOT-MIX ASPHALT SURFACE, MIX "C",	0	SY	\$ 18.45	\$ -
FINISH GRADING	4622	SY	\$ 0.82	\$ 3,806.22
SEEDING-LCFPD CLASS 1	0	SY	\$ 1.20	\$ -
SEEDING-LCFPD CLASS 2	1067	SY	\$ 0.74	\$ 793.95
SEEDING-LCFPD CLASS 3	3556	SY	\$ 0.73	\$ 2,588.41
SEEDING-WETLAND	0	SY	\$ 6.36	\$ -
EROSION CONTROL BLANKET NAG S7	1333	SY	\$ 1.58	\$ 2,105.34
HYDROMULCH	3289	SY	\$ 0.40	\$ 1,314.61
CROSSWALK MARKINGS (THERMOPLASTIC)		LS	\$ 1,855.00	\$ -
Intersection Improvements, incl. signal modifications		EA	\$ 15,000.00	\$ -
Total Amount Trails				\$ 47,795.69

Trail-Contingency Items	No. of Units	Unit	Unit Price	Extension
Contingent-Ditching		LF	\$ 4.16	\$ -
CONTINGENT-REMOVAL/ON-SITE DISPOSAL	50	CY	\$ 15.42	\$ 770.92
CONTINGENT-POROUS GRANULAR EMULSION	50	CY	\$ 33.52	\$ 1,676.07
Contingent-Geotechnical Fabric	100	SY	\$ 1.82	\$ 182.35
Contingent-Culvert 12" Circular HDPE , Complete		LF	\$ 46.00	\$ -
Contingent-Culvert 15" Circular HDPE , Complete		LF	\$ 56.00	\$ -
Contingent-Culvert 18" Circular HDPE , Complete		LF	\$ 66.00	\$ -
CONTINGENT-FURNISHED TOPSOIL, 4"		SY	\$ 3.76	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPING		EA	\$ 151.79	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPING		EA	\$ 373.06	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPING		EA	\$ 628.40	\$ -
CONTINGENT-TRAIL EMBANKMENT		CY	\$ 13.77	\$ -
CONTINGENT-ON-SITE STRUCTURAL FILL		CY	\$ 22.51	\$ -
Total Amount Trail Contingency Items				\$ 2,629.33

IDOT/LCDOT Required Improvements	No. of Units	Unit	Unit Price	Extension
Right Turn Lane		LS		\$ -
Left Turn Lane		LS		\$ -
Intersection Improvements		LS		\$ -
Road Widening		LS		\$ -
Total Amount IDOT/LCDOT Required Improvements				\$ -

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Parking Lots	No. of Units	Unit	Unit Price	Extension
SITE GRADING	0	SY	\$ 2.60	\$ -
Subgrade Preparation	0	SY	\$ 2.50	\$ -
Culvert (12" HDPE, 40')		EA	\$ 2,629.65	\$ -
AGGREGATE BASE COURSE, CA-6, 9"	0	SY	\$ 8.50	\$ -
HOT MIX ASPHALT BINDER COURSE, I	0	SY	\$ 12.97	\$ -
HOT-MIX ASPHALT SURFACE COURSE	0	SY	\$ 8.69	\$ -
6" Barrier Curb (If applicable)	0	LF	\$ 24.48	\$ -
Concrete Pavement 4" Thick		SF	\$ 8.79	\$ -
Storm Sewers		LF	\$ 58.86	\$ -
Catch Basins		EA	\$ 1,400.00	\$ -
Finish Grading-Complete Per Plan	0	SY	\$ 0.42	\$ -
SEEDING-LCFPD CLASS 1	0			\$ -
SEEDING-LCFPD CLASS 2	0	SY	\$ 1.02	\$ -
SEEDING-LCFPD CLASS 3	0	SY	\$ 0.80	\$ -
SEEDING-WETLAND	0	SY	\$ 0.96	\$ -
EROSION CONTROL BLANKET NAG S7	0	SY	\$ 1.22	\$ -
HYDROMULCH	0	SY	\$ 0.41	\$ -
Pavement Markings		LS	\$ 350.00	\$ -
Signage		LS	\$ 700.00	\$ -
Car Stops	0	EA	\$ 80.00	\$ -
Total Amount Parking Lots				\$ -

Parking-Contingency Items	No. of Units	Unit	Unit Price	Extension
Contingent-Ditching		LF	\$ 4.16	\$ -
CONTINGENT-REMOVAL/ON-SITE DISPOSAL OF UNS		CY	\$ 15.42	\$ -
CONTINGENT-POROUS GRANULAR EMBANKMENT (F		CY	\$ 33.52	\$ -
Contingent-Geotechnical Fabric		SY	\$ 1.82	\$ -
Contingent-Culvert 12" Circular HDPE , Complete		LF	\$ 46.00	\$ -
Contingent-Culvert 15" Circular HDPE , Complete		LF	\$ 56.00	\$ -
Contingent-Culvert 18" Circular HDPE , Complete		LF	\$ 66.00	\$ -
CONTINGENT-FURNISHED TOPSOIL, 4"		SY	\$ 3.76	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPIN		EA	\$ 151.79	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPIN		EA	\$ 373.06	\$ -
CONTINGENT-TREE REMOVAL WITH ROOT STUMPIN		EA	\$ 628.40	\$ -
CONTINGENT-TRAIL EMBANKMENT		CY	\$ 13.77	\$ -
CONTINGENT-ON-SITE STRUCTURAL FILL		CY	\$ 22.51	\$ -
Total Amount Trail Contingency Items				\$ -

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Site Amenities	No. of Units	Unit	Unit Price	Extension
Shelter, Family		EA		\$ -
Shelter, Small		EA		\$ -
Shelter, Large		EA		\$ -
STANDARD TOILET		LS	\$ 38,652.00	\$ -
Hydrant		EA		\$ -
Drinking Fountain		EA		\$ -
BOULDER RETAINING WALL - SLOPE TYPE		FSF	\$ 35.76	\$ -
BOULDER RETAINING WALL - STANDARD TYPE		FSF	\$ 51.06	\$ -
CEDAR SPLIT RAIL FENCE-2 RAIL		LF	\$ 23.37	\$ -
CEDAR SPLIT RAIL FENCE-3 RAIL	100	LF	\$ 23.36	\$ 2,336.43
Entrance Sign		EA	\$ 8,000.00	\$ -
Development Signs		EA	\$ 976.00	\$ -
11" Interior Signs		EA	\$ 74.00	\$ -
17" Interior Signs		EA	\$ 108.72	\$ -
17" Metal Sign Back	0	EA	\$ 39.48	
Vinyl		LF	\$ 5.75	
Tamper Proof Screws 1/4-20"x1/2"	0	EA	\$ 0.46	
Posts	0	EA	\$ 27.95	
26" Interior Signs	1	EA	\$ 126.88	\$ 126.88
26" Metal Sign Back	1	EA	\$ 50.97	\$ 50.97
Vinyl		LF	\$ 5.75	\$ -
Tamper Proof Screws 1/4-20"x1/2"	6	EA	\$ 0.46	\$ 2.76
Posts	2	EA	\$ 27.95	\$ 55.90
Pedestrian Directional Signs		EA	\$ 54.35	\$ -
5.5x7.5" Metal Sign Back	0	EA	\$ 5.88	\$ -
Vinyl	0	LF	\$ 5.75	\$ -
Tamper Proof Screws #10 x 1-1/2"	0	EA	\$ 0.67	\$ -
6"x6" Trail Post, 1 Molding	3	EA	\$ 27.95	\$ 83.85
9" x 40" signs		EA	\$ 25.00	\$ -
5.5" x 27" signs		EA	\$ 30.00	\$ -
SIGN-BICYCLE CROSSING		EA	\$ 177.10	
SIGN-PEDESTRIAN CROSSING		EA	\$ 308.93	
SIGN-STOP	1	EA	\$ 267.63	
Benches		EA	\$ 1,068.81	\$ -
Drop Gate		EA		\$ -
Vehicle Access Gate		EA		\$ -

Total Amount Site Amenities \$ 2,656.79

Boardwalks and Bridges	No. of Units	Unit	Unit Price	Extension
BOARDWALK (CURBED 10TON) 12', Co	30	LF	\$ 558.74	\$ 16,762.26
Boardwalk, Timber, 12', w/ Railing, Complete		LF	\$ 707.17	\$ -
BRIDGE (TIMBER 10TON) 12', w/ Railing, Complete		LF	\$ 1,035.22	\$ -
Bridge, Prefabricated, 12', w/ Railing, Complete		LF	\$ 3,208.58	\$ -

Total Amount Boardwalks \$ 16,762.26

Fishing Piers and Floating Docks	No. of Units	Unit	Unit Price	Extension
COURTESY DOCK (COMPLETE)		EA	\$ 32,869.63	\$ -
CONCRETE PIER ABUTMENT-COURTESY DOCK (CON		EA	\$ 18,980.50	\$ -
CONCRETE PIER ABUTMENT RAILING -COURTESY D		EA	\$ 2,930.63	\$ -
FISHING PIER (COMPLETE)		EA	\$ 42,987.07	\$ -
CONCRETE PIER ABUTMENT -FISHING PIER (COMPL		EA	\$ 15,337.05	\$ -

Total Amount Fishing Piers and Floating Docks \$ -

Site Utilities	No. of Units	Unit	Unit Price	Extension
Well		LS	\$ 11,000.00	\$ -
WATER METER INSTALLATION		EA	\$ 1,512.40	
WATER SERVICE PIPING, 4-INCH PVC, AWWA C-900, I		LF	\$ 70.32	
STORM SEWER, 12-INCH PVC, SDR 26, INSTALLED V		LF	\$ 58.86	
PLUMBING WORK INTERIOR TO CLUB HOUSE BUILDI		LS	\$ 5,799.76	

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MANHOLE (48" W/ DITCH GRATE)		EA	\$ 1,622.12	
Plumbing		LS		
Parking Lot Lighting		LS	\$ 46,982.57	\$ -
Electrical Connection and Wiring		LS	\$ 30,000.00	\$ -
ELECTRIC PULL BOX	4	EA	\$ 393.10	
LIGHTING STANDARD-DUAL HEAD PA	3	EA	\$ 4,496.21	
LIGHTING STANDARD-GRADE MOUNT	1	EA	\$ 1,009.32	
LIGHTING STANDARD-GRADE MOUNT	1	EA	\$ 912.21	
ELECTRIC WORK AND EQUIPMENT INTERIOR TO CLU		LS	\$ 1,834.90	
Lighting Fixtures		EA		\$ -
Lighting Control		LS		\$ -
Sewer Connection		LS		\$ -
Total Amount Site Utilities				\$ -

Planting	No. of Units	Unit	Unit Price	Extension
Shade Tree, 1.5"		EA	\$ 92.60	\$ -
Quercus alba, 1.5"		EA	\$ 104.00	\$ -
Quercus alba, 1.5"-Cont.		EA	\$ 85.00	\$ -
Quercus macrocarpa, 1.5"		EA	\$ 104.00	\$ -
Quercus macrocarpa, 1.5"-Cont.		EA	\$ 85.00	\$ -
Quercus rubra, 1.5"-Cont.		EA	\$ 85.00	\$ -
Shade Tree, 1.75"		EA	\$ 91.33	\$ -
Quercus ellipsoidalis, 1.75"		EA	\$ 104.00	\$ -
Quercus macrocarpa, 1.75"-Cont.		EA	\$ 85.00	\$ -
Quercus rubra, 1.75"-Cont.		EA	\$ 85.00	\$ -
Shade Tree, 2"		EA	\$ 93.80	\$ -
Acer saccharum 'Green Mountain', 2"		EA	\$ 90.00	\$ -
Quercus bicolor, 2"-Cont.		EA	\$ 90.00	\$ -
Quercus macrocarpa, 2"		EA	\$ 109.00	\$ -
Quercus macrocarpa, 2"-Cont.		EA	\$ 90.00	\$ -
Quercus rubra, 2"-Cont.		EA	\$ 90.00	\$ -
Shade Tree, 2.5"		EA	\$ 101.67	\$ -
Quercus bicolor, 2.5"		EA	\$ 109.00	\$ -
Quercus macrocarpa, 2.5"		EA	\$ 103.50	\$ -
Quercus rubra, 2.5"		EA	\$ 92.50	\$ -
Shade Tree, 3"		EA	\$ 99.67	\$ -
Quercus bicolor, 3"		EA	\$ 95.00	\$ -
Quercus macrocarpa, 3"		EA	\$ 109.00	\$ -
Quercus rubra, 3"		EA	\$ 95.00	\$ -
Understory Tree, 5'		EA	\$ 68.75	\$ -
Carpinus caroliniana, 5'-Cont.		EA	\$ 72.50	\$ -
Viburnum prunifolium, 5'		EA	\$ 65.00	\$ -
Understory Tree, 6'		EA	\$ 73.33	\$ -
Carpinus caroliniana, 6'-Cont.		EA	\$ 75.00	\$ -
Ostrya virginiana, 6'-Cont.		EA	\$ 75.00	\$ -
Viburnum prunifolium, 6'		EA	\$ 70.00	\$ -
Understory Tree, 7'		EA	\$ 72.50	\$ -
Amelanchier canadensis, 7'		EA	\$ 72.50	\$ -
Woodland Shrubs		EA	\$ 54.81	\$ -
Viburnum dentatum, 4'		EA	\$ 45.00	\$ -
Viburnum prunifolium, 4'		EA	\$ 64.63	\$ -
Install Tree Bark Protection		EA	\$ 7.92	\$ -
Water Tree Rootball to Saturation		EA	\$ 7.13	\$ -
Native Plants, Plug		EA		\$ -
Total Amount Planting				\$ -

Subtotal	\$	89,638.96
15% contingency	\$	13,445.84
Project Total	\$	103,084.80
10% escalation	\$	10,308.48
Project Total with Escalation	\$	113,393.28