

**City of Superior, Wisconsin
Stormwater Facility Improvements
Faxon Creek Watershed**

SUMMARY

INITIAL COST ESTIMATE

General Description

ALTERNATIVE NO. AND NAME	Cost (\$)			
Catlin Crossing	242,755			
Soo Line Railroad Crossing	991,460			
Hill Avenue Crossing	481,741			
Pond No. 2 / UW Superior	2,922,511			
Pond No. 3 / Heritage Park	3,727,082			
Pond No. 1 / Soo Line RR	10,670,674			
Culvert Removal	11,028			

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Catlin Crossing

INITIAL COST ESTIMATE

General Description

<u>ITEM</u>	<u>Units</u>	<u>Quantity</u>	<u>Unit Cost (\$)</u>	<u>Initial Cost (\$)</u>
Contract Admin/Mobilization/Demobilization	LS	1	11,048	11,048
Traffic Control	LS	1	7,000	7,000
Removing Existing Structure	Each	1	18,000	18,000
Excavation for Structure	Each	1	9,000	9,000
84-inch lined CMP culvert	Lineal Foot	245	360	88,200
84-inch Apron Endwalls	Each	2	4,000	8,000
Stream re-route/bypass	LS	1	20,000	20,000
Structure Backfill	CY	450	12.50	5,625
Restoration	Each	1	1,000	1,000
Erosion Control	LS	1	1,000	1,000
Subtotal				168,873
Contingency			25%	42,218
Subtotal				211,091
Total Construction Cost				211,091
Engineering			15%	31,664
Total Initial Cost				242,755

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Soo Line Railroad Crossing

INITIAL COST ESTIMATE

General Description

ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Contract Admin/Mobilization/Demobilization	LS	1	45,121	45,121
Railroad Flagger	Days	10	900	9,000
Removing Existing Structure	Each	1	30,000	30,000
84-inch culvert - Open Cut	Lineal Foot	494	360	177,840
84-inch RCP culvert - Bore and jack	Lineal Foot	200	1,860	372,000
84-inch Apron Endwalls/Headwall	LS	1	16,000	16,000
Stream re-route/bypass	LS	1	25,000	25,000
Structure Backfill	CY	900	12.50	11,250
Restoration	Each	1	2,500	2,500
Erosion Control	LS	1	1,000	1,000
Subtotal				689,711
Contingency			25%	172,428
Subtotal				862,139
Total Construction Cost				862,139
Engineering			15%	129,321
Total Initial Cost				991,460

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Hill Avenue Crossing

INITIAL COST ESTIMATE

General Description

ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Contract Admin/Mobilization/Demobilization	LS	1	21,924	21,924
Traffic Control	LS	1	7,000	7,000
Removing Existing Structure	Each	1	15,000	15,000
Excavation for Structure	Each	1	9,000	9,000
Twin 10 x 10 ft. Box Culverts with Endwalls	LS	1	244,200	244,200
Stream re-route/bypass	LS	1	20,000	20,000
Restoration	Each	1	5,000	5,000
Erosion Control	LS	1	3,000	3,000
Support/Replace Existing Sanitary Sewer	LS	1	10,000	10,000
Subtotal				335,124
Contingency			25%	83,781
Subtotal				418,905
Total Construction Cost				418,905
Engineering			15%	62,836
Total Initial Cost				481,741

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Pond No. 2 / UW Superior

INITIAL COST ESTIMATE

General Description

ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Contract Admin/Mobilization/Demobilization	LS	1	133,003	133,003
Tracking Pad	Each	1	1,200	1,200
Silt Fence	Each	2,000	2.00	4,000
Clear and Grub	LS	1	5000.00	5,000
Remove, stockpile and place Topsoil	Square Yard	27,000	1.25	33,750
Remove Existing Pipe, 60-inch	Lineal Foot	600	56.00	33,600
Pond Excavation and haul material offsite	Cubic Yard	117,000	15.00	1,755,000
Rip Rap	Cubic Yard	34	42.00	1,428
Erosion Control Mat	Square Yard	9,000	2.25	20,250
Outlet Structure	Each	1	18000.00	18,000
Storm Sewer Pipe, 60-inch	Lineal Foot	30	279.00	8,370
Seed	Square Yard	27,000	0.35	9,450
Landscaping Allowance	LS	1	10,000	10,000
Land Acquisition??				
Subtotal				2,033,051
Contingency			25%	508,263
Subtotal				2,541,314
Total Construction Cost				2,541,314
Engineering			15%	381,197
Total Initial Cost				2,922,511

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Pond No. 3 / Heritage Park

INITIAL COST ESTIMATE

General Description

ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Contract Admin/Mobilization/Demobilization	LS	1	169,619	169,619
Tracking Pad	Each	1	1,200	1,200
Silt Fence	Each	1,500	2.00	3,000
Clear and Grub	LS	1	10000.00	10,000
Remove, stockpile and place Topsoil	Square Yard	29,718	1.25	37,147
Remove Existing Pipe, 84-inch	Lineal Foot	677	56.00	37,912
Pond Excavation/Haul/Dump	Cubic Yard	137,000	15.00	2,055,000
Rip Rap	Cubic Yard	44	42.00	1,848
Erosion Control Mat	Square Yard	4,589	2.25	10,325
Outlet Structure	Each	1	21000.00	21,000
Storm Sewer Pipe, 84-inch	Lineal Foot	50	511.00	25,550
Seed	Square Yard	29,718	0.35	10,401
Wetland Restoration	Acre	1		
Landscaping Allowance	LS	1	20,000	20,000
18" Sanitary Sewer	LF	1,150	135	155,250
Sanitary Manholes	EA	4	6,750	27,000
Bypass Pumping	LS	1	7,500	7,500
Subtotal				2,592,752
Contingency			25%	648,188
Subtotal				3,240,941
Total Construction Cost				3,240,941
Engineering			15%	486,141
Total Initial Cost				3,727,082

**City of Superior, Wisconsin
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Pond No. 1 / Soo Line RR

INITIAL COST ESTIMATE

General Description

ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Contract Admin/Mobilization/Demobilization	LS	1	353,480	353,480
Tracking Pad	Each	1	1,200	1,200
Silt Fence	Each	750	2.00	1,500
Clear and Grub	LS	1	1000.00	1,000
Remove, stockpile and place Topsoil	Square Yard	82,280	1.25	102,850
Pond Excavation, Haul	Cubic Yard	448,000	15.00	6,720,000
Rip Rap	Cubic Yard	25	42.00	1,050
Erosion Control Mat	Square Yard	22,222	2.25	50,000
Storm Sewer Pipe, 84-inch	Lineal Foot	340	480.00	163,200
Seed	Square Yard	82,280	0.35	28,798
Wetland Restoration	Acre	5		
Subtotal				7,423,078
Contingency			25%	1,855,769
Subtotal				9,278,847
Total Construction Cost				9,278,847
Engineering			15%	1,391,827
Total Initial Cost				10,670,674

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Culvert Removal

INITIAL COST ESTIMATE

General Description

<u>ITEM</u>	<u>Units</u>	<u>Quantity</u>	<u>Unit Cost (\$)</u>	<u>Initial Cost (\$)</u>
Contract Admin/Mobilization/Demobilization	LS	1	1,500	1,500
Tracking Pad	Each	1	1,200	1,200
Silt Fence	Each	4	200.00	800
Remove, stockpile and place Topsoil	Square Yard	450	1.25	563
Remove Existing Culvert, 8.6' x 9.4' arch	Lineal Foot	84	62.00	5,208
Grading	Cubic Yard	200	8.00	1,600
Seed	Square Yard	450	0.35	158
Subtotal				11,028
Contingency			25%	2,757
Subtotal				13,785
Total Construction Cost				13,785
Engineering			15%	2,068
Total Initial Cost				15,853