

Table G-3 (July 2001 Updated Layout)
Preliminary Cost Estimate
Additional Detention on Lower 2nd Street Reach
Boneyard Creek Improvement Plan
City of Champaign

Item	Unit	Qty	Unit Price (\$)	Extension
<i>North Basin:</i>				
Spillway and Energy Dissipation Structure	each	1	23,000	23,000
Demolition (no buildings)	acre	2.8	25,000	70,000
Excavation	ac-ft	29	16,200	469,800
White Street control Structure	each	1	15,000	15,000
Dewatering	days	30	1,000	30,000
Logan 8'x5' Diversion Pipe	foot	1200	500	600,000
University 42-inch Storm Sewer	foot	660	125	82,500
Springfield 36-inch Storm Sewer	foot	810	100	81,000
8-foot by 6-foot Box Culvert	foot	110	550	60,500
Restoration	acre	2.8	2,900	8,120
Retaining Wall (12'-14' height)	lf	360.0	400	144,000
Retaining Wall (16' height)	lf	350.0	575	201,250
Utility Relocation	ls	1.0	88,000	88,000
Landscaping	acre	2.8	12,500	35,000
Erosion Control	lf	880.0	5	4,400
10' Wide Bike Path	foot	550.0	32	17,600
Bike Path Bridge	ls	1.0	16,000	16,000
16-foot Alley	lf	480.0	60	28,800
24-foot Street	lf	340.0	105	35,700
Parking Lot	sy	30.0	900	27,000
Low flow channel riprap	cy	150	25	3,750
Underdrain System	foot	1200	10	12,000
Subtotal				2,053,000
<i>South Basin:</i>				
Demolition (no buildings)	acre	4.2	25,000	105,000
Excavation	ac-ft	40	16,200	648,000
Control Structures	each	1	15,000	15,000
Dewatering	days	30	300	9,000
78" Culvert	foot	280	375	105,000
Restoration	acre	4.2	2,900	12,180
Retaining Wall (10' height)	lf	420.0	300	126,000
Retaining Wall (15' height)	lf	340.0	550	187,000
Utility Relocation	ls	1.0	96,000	96,000
Landscaping	acre	4.2	12,500	52,500
Erosion Control	lf	920.0	5	4,600
low flow channel riprap	cy	150	25	3,750
10' Wide Bike Path	foot	600.0	32	19,200
16-foot Alley	lf	570.0	60	34,200
20-foot Street	lf	320.0	88	28,000
Parking Lot	sy	30.0	975	29,250
Underdrain System	foot	1400	10	14,000
Subtotal				1,489,000

Table G-3 (July 2001 Updated Layout)
Preliminary Cost Estimate
Additional Detention on Lower 2nd Street Reach
Boneyard Creek Improvement Plan
City of Champaign

Item	Unit	Qty	Unit Price (\$)	Extension
<i>Scott Park Channel Improvements:</i>				
Excavation	cy	5,640	14	78,960
Dewatering	days	15	300	4,500
Restoration	acre	0.7	2,900	2,030
Rock Retaining Walls (3-4' height)	lf	1800.0	35	63,000
10' Wide Bike Path	foot	450.0	32	14,400
Landscaping	acre	0.5	12,500	6,250
Erosion Control	lf	450.0	5	2,250
Spillway and Energy Dissipation Structure	each	1	23,000	23,000
Healey Street Drop Modification	LS	1	15,000	15,000
Subtotal				209,000
Total				3,751,000
Construction Contingency			25%	\$938,000
Probable Construction Cost Estimate				\$4,689,000
Engineering Design			8%	375,000
Construction Services			8%	375,000
Geotechnical				30,000
Administration Cost			5%	234,000
Property Acquisition	ls	1	\$4,650,000	4,650,000
Preliminary Cost Estimate (1999 \$)				\$10,400,000

Notes:

1. Costs do not include environmental impacts (contaminated soils, asbestos, etc.)
2. Costs do not include rock excavation.
3. Property Acquisition does not include parks, road right of way or City property. It does include relocation costs, and building demolition costs.