

Probable Construction Costs

Municipal Plaza - North

DIVISION	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL COST
GENERAL REQUIREMENTS					\$ 27,900
	MOBILIZATION (3%)	1	LUMP	\$ 27,900.00	\$ 27,900
EARTHWORK					\$ 108,467
	COMMON EXCAVATION	2 281	CU YD	\$ 20.00	\$ 45,626
	SLOPE PROTECTION	507	SQ YD	\$ 8.50	\$ 4,309
	SELECT GRANULAR BORROW AND ROUGH GRADING	2 281	CU YD	\$ 25.00	\$ 57,032
	TOPSOIL BORROW AND ARCHITECTURAL GRADING	50	CU YD	\$ 30.00	\$ 1,500
CONCRETE WALKS AND STREET					\$ 444,559
	CURB AND GUTTER	830	LF	\$ 18.00	\$ 14,940
	DETECTABLE CURB RAMPS	4	EA	\$ 1,500.00	\$ 6,000
	4" CONCRETE WALK	14 925	SF	\$ 6.00	\$ 89,550
	BITUMINOUS TRAILS		LF	\$ 4.00	\$ -
	PERVIOUS PAVERS (INCL BASE)	2 050	SF	\$ 30.00	\$ 61,500
	BITUMINOUS WEAR COURSE (2")	285	TON	\$ 100.00	\$ 28,507
	BITUMINOUS NON-WEAR COURSE (2")	285	TON	\$ 90.00	\$ 25,657
	AGGREGATE BASE	728	CY	\$ 22.00	\$ 16,005
FOUNTAINS					
ARCHITECTURE					
STAIRS AND WALLS					\$ -
FENCE/SCREEN					\$ 40,000
	DECORATIVE FENCE	400	LF	\$ 100.00	\$ 40,000
FURNISHING					\$ 61,200
	KIOSK (ARTFUL STRUCTURE, PARK SIGN AND INTERPRETIVE SIGN)	1	EA	\$ 15,000.00	\$ 15,000
	RECEPTACLES	4	EA	\$ 1,500.00	\$ 6,000
	BENCHES	4	EA	\$ 2,500.00	\$ 10,000
	BIKE RACKS	2	EA	\$ 1,500.00	\$ 3,000
	FIRE TABLE	2	EA	\$ 3,000.00	\$ 6,000
	DRINKING FOUNTAIN	1	EA	\$ 5,000.00	\$ 5,000
	PICNIC TABLES	5	EA	\$ 3,000.00	\$ 15,000
	PLAY EQUIPMENT?		EA	\$ 50,000.00	\$ -
	TREE GRATE	1	EA	\$ 1,200.00	\$ 1,200
LIGHTING					\$ 55,800
	PEDESTRIAN POLE LIGHTS	31	EA	\$ 1,800.00	\$ 55,800
STORMWATER RE-USE AND TREATMENT					\$ 195,500
	COLLECTION, CLEAN AND REUSE	0.9	ACRE	\$ 230,000.00	\$ 195,500
GENERAL PLANTING					\$ 112,400
	TREES	35	EA	500.00	17,500.00
	SM TREES	31	EA	400.00	12,400.00
	PLANTING SOIL	730	CY	30.00	21,900.00
	PERENNIALS/SHRUBS	2700	SF	8.00	21,600.00
	NATIVE SEEDING W/ PLUGS	0.3	ACRE	5000.00	1,500.00
	SOD	650	SY	8.00	5,200.00
	IRRIGATION	19700	SF	1.00	19,700.00
	ALUMINUM EDGING	1200	LF	8.00	9,600.00
	MULCH W FABRIC	300	SY	10.00	3,000.00
UTILITIES					\$ 50,000
	STORM, WATER, POWER	1	LUMP	\$50,000.00	\$ 50,000

ESTIMATED CONSTRUCTION COSTS \$ 1,095,826
 10% DESIGN CONTINGENCY 10% \$ 109,600
ESTIMATED CONSTRUCTION COSTS \$ 1,205,426

Probable Construction Costs

Municipal Plaza - South

DIVISION	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL COST
GENERAL REQUIREMENTS					\$ 48,000
	MOBILIZATION (3%)	1	LUMP	\$ 48,000.00	\$ 48,000
EARTHWORK					\$ 53,714
	COMMON EXCAVATION	959	CU YD	\$ 20.00	\$ 19,187
	SLOPE PROTECTION	213	SQ YD	\$ 8.50	\$ 1,812
	SELECT GRANULAR BORROW AND ROUGH GRADING	959	CU YD	\$ 25.00	\$ 23,983
	TOPSOIL BORROW AND ARCHITECTURAL GRADING	291	CU YD	\$ 30.00	\$ 8,732
CONCRETE WALKS AND STREET					\$ 223,853
	CURB AND GUTTER		LF	\$ 18.00	\$ -
	DETECTABLE CURB RAMPS		EA	\$ 1,500.00	\$ -
	4" CONCRETE WALK	23 200	SF	\$ 6.00	\$ 139,200
	BITUMINOUS TRAILS		LF	\$ 4.00	\$ -
	PERVIOUS PAVERS (INCL BASE)	2 470	SF	\$ 30.00	\$ 74,100
	BITUMINOUS WEAR COURSE (2")		TON	\$ 100.00	\$ -
	BITUMINOUS NON-WEAR COURSE (2")		TON	\$ 90.00	\$ -
	AGGREGATE BASE	480	CY	\$ 22.00	\$ 10,553
FOUNTAINS					\$ 310,000
	RIBBON	1	LUMP	\$ 60,000.00	\$ 60,000
	STEPS (INCLUDES CONCRETE STEPS, MECHANICAL, FINISHES)	1	LUMP	\$ 250,000.00	\$ 250,000
ARCHITECTURE					
	?		SF		\$ -
STAIRS AND WALLS					\$ 225,630
	6" RISERS	232	SF	\$ 90.00	\$ 20,880
	12" H SEAT WALLS (+18" buried)	1 353	LF	\$ 150.00	\$ 202,950
	RAILINGS	24	LF	\$ 75.00	\$ 1,800
FENCE/SCREEN					\$ 30,000
	DECORATIVE FENCE	300	LF	\$ 100.00	\$ 30,000
FURNISHING					\$ 71,100
	KIOSK (ARTFUL STRUCTURE, PARK SIGN AND INTERPRETIVE SIGN)	1	EA	\$ 15,000.00	\$ 15,000
	RECEPTACLES	6	EA	\$ 1,500.00	\$ 9,000
	BENCHES	6	EA	\$ 2,500.00	\$ 15,000
	BIKE RACKS	1	EA	\$ 1,500.00	\$ 1,500
	FIRE TABLE	4	EA	\$ 3,000.00	\$ 12,000
	DRINKING FOUNTAIN		EA	\$ 5,000.00	\$ -
	PICNIC TABLES	1	EA	\$ 3,000.00	\$ 3,000
	TREE GRATE	13	EA	\$ 1,200.00	\$ 15,600
	PLAY EQUIPMENT?		EA	\$ 50,000.00	\$ -
LIGHTING					\$ 68,400
	PEDESTRIAN POLE LIGHTS	38	EA	\$ 1,800.00	\$ 68,400
STORMWATER RE-USE AND TREATMENT					\$ 299,000
	COLLECTION, CLEAN AND REUSE	1.3	ACRE	\$ 230,000.00	\$ 299,000
GENERAL PLANTING					\$ 265,128
	TREES	33	EA	500.00	16,500.00
	SM TREES	27	EA	400.00	10,800.00
	PLANTING SOIL	1200	CY	30.00	36,000.00
	PERENNIALS/SHRUBS	15485	SF	8.00	123,880.00
	NATIVE SEEDING W/ PLUGS	0	ACRE	5000.00	-
	SOD	2266	SY	8.00	18,128.00
	IRRIGATION	32700	SF	1.00	32,700.00
	ALUMINUM EDGING	1240	LF	8.00	9,920.00
	MULCH W FABRIC	1720	SY	10.00	17,200.00
UTILITIES					
	STORM, WATER, POWER	1	LUMP	\$50,000.00	\$ 50,000

ESTIMATED CONSTRUCTION COSTS \$ 1,644,824
 10% DESIGN CONTINGENCY 10% \$ 164,500
ESTIMATED CONSTRUCTION COSTS \$ 1,809,324

Probable Construction Costs

Municipal Plaza - South

DIVISION	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL COST
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GENERAL CONDITIONS 10% \$ 181,000

TESTING 1% \$ 18,093.24

8% CONSTRUCTION CONTINGENCY 8% \$ 144,800

TOTAL ESTIMATED CONSTRUCTION COSTS \$ 2,153,200

PERMITS/BONDS/INSURANCE 3% \$ 64,500

DESIGN FEES 12% \$ 258,300

TOTAL PROJECT COSTS \$ 2,476,000

Probable Construction Costs

Waterfront Park - Main Area

DIVISION	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL COST
GENERAL REQUIREMENTS					
	MOBILIZATION (3%)	1	LUMP	\$ 123,000.00	\$ 123,000
EARTHWORK					
	COMMON EXCAVATION	2 497	CU YD	\$ 20.00	\$ 49,932
	SLOPE PROTECTION	555	SQ YD	\$ 8.50	\$ 4,715
	SELECT GRANULAR BORROW AND ROUGH GRADING	2 497	CU YD	\$ 25.00	\$ 62,415
	TOPSOIL BORROW AND ARCHITECTURAL GRADING	98.148 148	CU YD	\$ 30.00	\$ 2,944
CONCRETE WALKS AND STREET					
	CURB AND GUTTER	325	LF	\$ 18.00	\$ 5,850
	DETECTABLE CURB RAMPS	6	EA	\$ 1,500.00	\$ 9,000
	4" CONCRETE WALK	51 055	SF	\$ 6.00	\$ 306,330
	BITUMINOUS TRAILS	400	LF	\$ 4.00	\$ 1,600
	PERVIOUS PAVERS (INCL BASE)	1	SF	\$ 30.00	\$ 30
	BITUMINOUS WEAR COURSE (2")	78	TON	\$ 100.00	\$ 7,764
	BITUMINOUS NON-WEAR COURSE (2")	78	TON	\$ 90.00	\$ 6,987
	AGGREGATE BASE	1058	CY	\$ 22.00	\$ 23,276
FOUNTAINS					
	RIBBON FOUNTAIN	1	LUMP	\$ 60,000.00	\$ 60,000
	WADING POOL	1	LUMP	\$ 100,000.00	\$ 100,000
	SPLASH PAD	1	LUMP	\$ 125,000.00	\$ 125,000
ARCHITECTURE					
	CONCESSION PAVILION (\$300 - 375/SF)	4 200	SF	\$ 375.00	\$ 1,575,000
	PERGOLA	6 800	SF	\$ 190.00	\$ 1,292,000
STAIRS AND WALLS					
	RAILINGS	100	LF	\$ 75.00	\$ 7,500
FENCE/SCREEN					
\$ -					
FURNISHING					
\$ 128,000					
	KIOSK (ARTFUL STRUCTURE, PARK SIGN AND INTERPRETIVE SIGN)	1	EA	\$ 15,000.00	\$ 15,000
	RECEPTACLES	8	EA	\$ 1,500.00	\$ 12,000
	BENCHES	10	EA	\$ 2,500.00	\$ 25,000
	BIKE RACKS	2	EA	\$ 1,500.00	\$ 3,000
	FIRE TABLE	1	EA	\$ 3,000.00	\$ 3,000
	DRINKING FOUNTAIN	1	EA	\$ 5,000.00	\$ 5,000
	PICNIC TABLES	5	EA	\$ 3,000.00	\$ 15,000
	PLAY EQUIPMENT	1	EA	\$ 50,000.00	\$ 50,000
LIGHTING					
\$ 158,400					
	PEDESTRIAN POLE LIGHTS	88	EA	\$ 1,800.00	\$ 158,400
STORMWATER RE-USE AND TREATMENT					
\$ -					
GENERAL PLANTING					
\$ 332,053					
	TREES	40	EA	500.00	20,000.00
	SM TREES	25	EA	400.00	10,000.00
	PLANTING SOIL	2150	CY	30.00	64,500.00
	PERENNIALS/SHRUBS	5300	SF	8.00	42,400.00
	NATIVE SEEDING W/ PLUGS	1	ACRE	5000.00	4,200.00
	SOD	15900	SY	8.00	127,200.00
	IRRIGATION	57953	SF	1.00	57,953.00
	ALUMINUM EDGING	0	LF	8.00	-
	MULCH W FABRIC	580	SY	10.00	5,800.00
UTILITIES					
	STORM, WATER, POWER	1	LUMP	\$50,000.00	\$ 50,000

ESTIMATED CONSTRUCTION COSTS \$ 4,431,797

10% DESIGN CONTINGENCY 10% \$ 443,200

ESTIMATED CONSTRUCTION COSTS \$ 4,874,997

Probable Construction Costs

Waterfront Park - Outer Area

DIVISION	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL COST
GENERAL REQUIREMENTS					
	MOBILIZATION (3%)	1	LUMP	\$ 33,000.00	\$ 33,000
EARTHWORK					
	COMMON EXCAVATION	3 255	CU YD	\$ 20.00	\$ 65,102
	SLOPE PROTECTION	723	SQ YD	\$ 8.50	\$ 6,148
	SELECT GRANULAR BORROW AND ROUGH GRADING	3 255	CU YD	\$ 25.00	\$ 81,378
	TOPSOIL BORROW AND ARCHITECTURAL GRADING	160.185 185	CU YD	\$ 30.00	\$ 4,806
CONCRETE WALKS AND STREET					
	DETECTABLE CURB RAMPS	9	EA	\$ 1,500.00	\$ 13,500
	4" CONCRETE WALK	15 200	SF	\$ 6.00	\$ 91,200
	BITUMINOUS TRAILS	4 543	LF	\$ 4.00	\$ 18,172
	AGGREGATE BASE	955	CY	\$ 22.00	\$ 20,999
	BOARDWALKS/DOCK	1340	LF	\$ 70.00	\$ 93,800
FOUNTAINS					
ARCHITECTURE					
STAIRS AND WALLS					
FENCE/SCREEN					
FURNISHING					
	KIOSK (ARTFUL STRUCTURE, PARK SIGN AND INTERPRETIVE SIGN)	2	EA	\$ 15,000.00	\$ 30,000
	RECEPTACLES	8	EA	\$ 1,500.00	\$ 12,000
	BENCHES	12	EA	\$ 2,500.00	\$ 30,000
	BIKE RACKS	4	EA	\$ 1,500.00	\$ 6,000
	DRINKING FOUNTAIN	1	EA	\$ 5,000.00	\$ 5,000
	PICNIC TABLES	10	EA	\$ 3,000.00	\$ 30,000
	PLAY EQUIPMENT		EA	\$ 50,000.00	\$ -
LIGHTING					
	PEDESTRIAN POLE LIGHTS	120	EA	\$ 1,800.00	\$ 216,000
STORMWATER RE-USE AND TREATMENT					
GENERAL PLANTING					
	TREES	100	EA	500.00	50,000.00
	SM TREES	0	EA	400.00	-
	PLANTING SOIL	5333	CY	30.00	159,990.00
	PERENNIALS/SHRUBS	8650	SF	8.00	69,200.00
	NATIVE SEEDING W/ PLUGS	1.7	ACRE	5000.00	8,500.00
	KAME & DRUMLIN AREA NATIVE SEEDING W/ PLUGS	0.7	ACRE	5000.00	3,500.00
	KAME & DRUMLIN SOD	6350.0	SY	8.00	50,800.00
	SOD	1265	SY	8.00	10,120.00
	IRRIGATION	86351	SF	1.00	86,351.00
	ALUMINUM EDGING	0	LF	8.00	-
	MULCH W FABRIC	8650	SY	10.00	86,500.00
UTILITIES					
	STORM, WATER, POWER	1	LUMP	\$50,000.00	\$ 50,000

ESTIMATED CONSTRUCTION COSTS \$ 1,332,066

10% DESIGN CONTINGENCY 10% \$ 133,300

ESTIMATED CONSTRUCTION COSTS \$ 1,465,366

