

**KIWANIS RIVERFRONT PARK IMPROVEMENT PROGRAM
PPS&E ESTIMATE
SEPTEMBER 24, 2009**

| ITEM | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | TOTAL |
|------------------------------|--|------|----------|------------|------------------|
| SITE ACCESS DRIVEWAYS | | | | | |
| 201.1 | CLEARING AND GRUBBING | SF | 5000 | \$1 | \$5,000 |
| 201.21 | REMOVING SMALL TREES | EA | 10 | \$100 | \$1,000 |
| 203.1 | COMMON EXCAVATION | CY | 800 | \$10 | \$8,000 |
| 214. | FINE GRADING | U | 1 | \$2,000 | \$2,000 |
| 304.2 | GRAVEL | CY | 600 | \$20 | \$12,000 |
| 304.3 | CRUSHED GRAVEL | CY | 600 | \$25 | \$15,000 |
| 403.11 | HOT BITUMINOUS PAVEMENT, MACHINE METHOD | T | 400 | \$75 | \$30,000 |
| 609.01 | STRAIGHT GRANITE CURB | LF | 650 | \$20 | \$13,000 |
| 609.226 | STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS, 6" HIGH | LF | 400 | \$15 | \$6,000 |
| 609.5 | RESET GRANITE CURB | LF | 100 | \$10 | \$1,000 |
| 615.1 | MODIFICATIONS TO TRAFFIC SIGNALS | EA | 1 | \$25,000 | \$25,000 |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 70 | \$5 | \$350 |
| 632.0104 | RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE | LF | 600 | \$0.25 | \$150 |
| 632.32 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, SYMBOL OR WORD | EA | 5 | \$300.00 | \$1,500 |
| 641.04 | LOAM | CY | 200 | \$20 | \$4,000 |
| 646.31 | TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS | SY | 1,600 | \$2 | \$3,200 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$127,200 |
| | | | | | Use |
| | | | | | \$128,000 |
| PARKING LOT | | | | | |
| 201.1 | CLEARING AND GRUBBING | SF | 15000 | \$1 | \$15,000 |
| 201.21 | REMOVING SMALL TREES | EA | 20 | \$100 | \$2,000 |
| 203.1 | COMMON EXCAVATION | CY | 6,000 | \$10 | \$60,000 |
| 203.6 | EMBANKMENT IN PLACE | CY | 250 | \$10 | \$2,500 |
| 214. | FINE GRADING | U | 1 | \$5,000 | \$5,000 |
| 304.2 | GRAVEL | CY | 2,400 | \$20 | \$48,000 |
| 304.3 | CRUSHED GRAVEL | CY | 2,400 | \$25 | \$60,000 |
| 306.1 | PAVEMENT RECLAMATION | SY | 8,000 | \$4 | \$32,000 |
| 403.11 | HOT BITUMINOUS PAVEMENT, MACHINE METHOD | T | 3,600 | \$75 | \$270,000 |
| 606.5318 | WOOD GUARDRAIL | LF | 400 | \$35 | \$14,000 |
| 609.01 | STRAIGHT GRANITE CURB | LF | 2,000 | \$20 | \$40,000 |
| 609.02 | CURVED GRANITE CURB | LF | 300 | \$35 | \$10,500 |
| 609.226 | STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS, 6" HIGH | LF | 700 | \$15 | \$10,500 |
| 609.236 | CURVED GRANITE SLOPE CURB, 6" HIGH | LF | 240 | \$30 | \$7,200 |
| 609.5 | RESET GRANITE CURB | LF | 600 | \$10 | \$6,000 |
| 615.03 | TRAFFIC SIGN TYPE C | SF | 80 | \$50 | \$4,000 |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 200 | \$5 | \$1,000 |
| 632.0104 | RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE | LF | 8,000 | \$0.25 | \$2,000 |
| 632.3112 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE | LF | 60 | \$10.00 | \$600 |
| 632.3118 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE | LF | 600 | \$12.00 | \$7,200 |
| 632.32 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, SYMBOL OR WORD | EA | 10 | \$300.00 | \$3,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$600,500 |
| | | | | | Use |
| | | | | | \$601,000 |
| FIELD IMPROVEMENTS | | | | | |
| 203.1 | COMMON EXCAVATION | CY | 4000 | \$10 | \$40,000 |
| 214. | FINE GRADING | U | 1 | \$10,000 | \$10,000 |
| 304.1 | INFIELD SELECT BASE | CY | 1,800 | \$10 | \$18,000 |
| 304.7 | 1/8" STONE DUST | CY | 250 | \$30 | \$7,500 |
| 607.665 | 6' HIGH CHAIN LINK FENCE, VINYL-COATED, BLACK | LF | 120 | \$25 | \$3,000 |
| 607.669 | 6' HIGH POST ASSEMBLIES FOR CHAIN LINK FENCE, BLACK | EA | 4 | \$200 | \$800 |
| 607.71065 | 10' GATE FOR 6' HIGH CHAIN LINK FENCE, VINYL-COTAED, BLACK | EA | 2 | \$2,000 | \$4,000 |
| 607.71160 | 16' HIGH BACKSTOP CHAIN LINK FENCE, VINYL-COATED, BLACK | LF | 50 | \$50 | \$2,500 |
| 625.9 | ATHLETIC FIELD LIGHTING | U | 1 | \$100,000 | \$100,000 |
| 641 | LOAM | CY | 1,500 | \$25 | \$37,500 |
| 641.06 | STRIP, SCREEN AND PLACE LOAM, 6" DEEP | CY | 4,000 | \$10 | \$40,000 |
| 660.51 | 3 ROW ALUMINUM BLEACHER | EA | 2 | \$2,500 | \$5,000 |
| 660.52 | BRICK DUGOUTS WITH CONCRETE SLAB | EA | 2 | \$20,000 | \$40,000 |
| 660.53 | BRICK BACKWALL | EA | 1 | \$20,000 | \$20,000 |
| 660.54 | FIELD BASES AND HOMEPLATE | LS | 1 | \$250 | \$250 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$328,550 |
| | | | | | Use |
| | | | | | \$329,000 |
| STORAGE BUILDINGS | | | | | |
| 203.1 | COMMON EXCAVATION | CY | 150 | \$10 | \$1,500 |
| 214. | FINE GRADING | U | 1 | \$2,000 | \$2,000 |
| 304.3 | CRUSHED GRAVEL | CY | 150 | \$25 | \$3,750 |
| 304.7 | 1/8" STONE DUST | CY | 200 | \$30 | \$6,000 |
| 660.130 | MAINTENANCE/STORAGE BUILDINGS | SF | 800 | \$45 | \$36,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$49,250 |

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| ITEM | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | TOTAL |
|---|--|------|----------|------------|--|
| | | | | | Use \$50,000 |
| SITE WALKWAYS | | | | | |
| 203.1 | COMMON EXCAVATION | CY | 300 | \$10 | \$3,000 |
| 214. | FINE GRADING | U | 1 | \$2,000 | \$2,000 |
| 304.3 | CRUSHED GRAVEL | CY | 200 | \$25 | \$5,000 |
| 304.7 | 1/8" STONE DUST | CY | 120 | \$30 | \$3,600 |
| 608.13 | 3" BITUMINOUS SIDEWALK | SY | 1,000 | \$20 | \$20,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$33,600 |
| | | | | | Use \$34,000 |
| DRAINAGE IMPROVEMENTS | | | | | |
| 202.41 | REMOVAL OF EXISTING PIPE 0-24" DIAMETER | LF | 200 | \$5 | \$1,000 |
| 202.5 | REMOVAL OF EXISTING CATCH BASINS | EA | 2 | \$500 | \$1,000 |
| 603.00312 | 12" REINFORCED CONCRETE PIPE - CLASS IV | LF | 500 | \$35 | \$17,500 |
| 603.00315 | 15" REINFORCED CONCRETE PIPE - CLASS IV | LF | 600 | \$45 | \$27,000 |
| 604.12 | CATCH BASIN, 4' DIAMETER | U | 14 | \$2,000 | \$28,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$74,500 |
| | | | | | Use \$75,000 |
| SITE LIGHTING | | | | | |
| 614.522 | MOLDED PULL BOX 13" 24" | EA | 8 | \$300 | \$2,400 |
| 614.7118 | 1 1/2" PVC PLASTIC CONDUIT, SCHEDULE 80 | LF | 3,000 | \$12 | \$36,000 |
| 625. | LIGHT POLE BASES | EA | 24 | \$600 | \$14,400 |
| 625.6 | 20' ALUMINUM LIGHT POLE | EA | 24 | \$2,000 | \$48,000 |
| 625.71 | LUMINAIRE "S1 TYPE" | EA | 24 | \$500 | \$12,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$112,800 |
| | | | | | Use \$113,000 |
| LANDSCAPING | | | | | |
| 641.04 | LOAM | CY | 500 | \$20 | \$10,000 |
| 645.153 | BARK MULCH 3 INCHES DEEP | SY | 400 | \$10 | \$4,000 |
| 646.31 | TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS | SY | 2,000 | \$2 | \$4,000 |
| 650.2 | PERRENIALS, PLANTED | AL | 1 | \$5,000 | \$5,000 |
| 656.2 | LANDSCAPING PLANT MATERIALS, PLANTED | AL | 1 | \$15,000 | \$15,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$38,000 |
| | | | | | Use \$38,000 |
| EROSION CONTROL | | | | | |
| 645.3 | EROSION STONE | CY | 200 | \$15 | \$3,000 |
| 645.531 | SILT FENCE | LF | 3,000 | \$5 | \$15,000 |
| 645.7 | STORMWATER POLLUTION PREVENTION PLAN | U | 1 | \$2,500 | \$2,500 |
| 645.71 | MONITORING SWPPP | AL | 1 | \$5,000 | \$5,000 |
| 699.0 | MISC. TEMPORARY EROSION CONTROL | AL | 1 | \$5,000 | \$5,000 |
| CONSTRUCTION COST SUB-TOTAL | | | | | \$30,500 |
| | | | | | Use \$31,000 |
| MOBILIZATION | | | | | |
| 692.0 | MOBILIZATION | U | 1 | \$100,000 | \$100,000 |
| CONSTRUCTION COST SUB-TOTAL FOR ALL ITEMS | | | | | \$1,499,000 |
| | | | | | ENGINEERING (IN-HOUSE BY STAFF) \$80,000 |
| | | | | | CONSTRUCTION ADMINISTRATION (IN-HOUSE BY STAFF) \$50,000 |
| | | | | | MATERIALS TESTING \$10,000 |
| OVERALL TOTAL COST | | | | | \$1,639,000 |
| | | | | | Use \$1,640,000 |