

**MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
ARCHITECTURAL, ENGINEERING & ENVIRONMENTAL SERVICES
COST ESTIMATING SHEET**

FOR : DEPARTMENT OF PARKS, RECREATION & CULTURE	Date of Estimate 10/10/2014	Life Expectancy 30 years
--	--------------------------------	-----------------------------

Description of Project: Wedgewood Park Wading Pool Rehabilitation

Work includes replacement of pool recirculation system and pool concrete. The pool supply piping condition was rated F in the 2006 Pool Report. The pool decking and the pool concrete will be replaced in order to replace the supply and return piping. The replacement will allow the inlets to be positioned halfway between the pool center and the water's edge. This will result in better distribution of filtered and disinfected water. Additional skimmers will be added to improve recirculation. The project will also include converting the existing DE filtration system to a high pressure sand filtration system.

Description	Unit	No	Cost	Cost Estimate
Mobilization	ls	1	2900	\$ 2,900
Misc. Removals (benches, etc)	ls	1	2320	\$ 2,320
Concrete Removal	sy	2625	6.96	\$ 18,270
Salvage Crushed Stone	ton	120	23.2	\$ 2,784
Excavation & Grading	ton	70	23.2	\$ 1,624
Pipe Abandoning	ls	1	3480	\$ 3,480
2-inch dia. Sch. 80 PVC pool inlet supply piping	lf	125	63.8	\$ 7,975
4-inch dia. Sch. 80 PVC pool drain & overflow piping	lf	250	69.6	\$ 17,400
Pool Inlets	ea	8	696	\$ 5,568
Pool Overflows	lf	6	1392	\$ 8,352
Pool Main Drain	ea	1	870	\$ 870
1-1/2-inch dia. Sch. 80 PVC pool center spray piping	lf	55	58	\$ 3,190
Install 3/4" dia. water pipe for Foot Spray	lf	30	58	\$ 1,740
Install Salvaged Crushed Stone	ton	120	29	\$ 3,480
Import New Crushed Aggregate Base Course	ton	40	29	\$ 1,160
Cast-in-Place Concrete Deck Slabs (5" thick)	sf	500	11.6	\$ 5,800
Cast-in-Place Concrete Pool Slabs (8" thick)	sf	2125	17.4	\$ 36,975
Protective Coatings for Concrete Pool Slabs	sf	2125	6.96	\$ 14,790
Foot Spray	ls	1	232	\$ 232
Clean Deck Drain Grates	ea	4	232	\$ 928
Replace MH Cover	ea	1	638	\$ 638
Install New Filtration System	ea	1	30000	\$ 30,000
General Conditions *				\$ 21,806
Total Construction Costs				\$ 192,282
Planning & Design				\$ 23,074
Construction Management				\$ 9,614
DBE				\$ 961
Total Cost =				\$ 225,931

Estimated by: Jill Organ
DPPA Architectural & Engineering Services