

DDESS Facility Survey, Ft. Knox, Kentucky
Pierce Elementary School
Engineers' Opinion of Probable Cost

03-8111-02
 29-Aug-03



Cost Markups & Multipliers:	
General Contractor Overhead, Profit & Bond	25.00%
Area Multiplier	1.07
Escalation from 2001 to 2004	8.86%
Contingency	15.00%
Total Multiplier For FY 04 Costs	1.67

Ref.	Description	Quantity	Unit	Unit Price	Mult.	Total
Immediate Upgrades						
3.2.5.1	Install Backflow Preventer on Domestic Water	1	ea	\$11,700.00	1.67	\$20,000
3.2.5.5	Sign to Identify Multiple Electrical Service	1	ls	\$2,000.00	1.67	\$3,000
3.3.1	Repair Areas of Settled or Damaged Foundation	1	ls	\$35,000.00	1.67	\$59,000
3.3.3.1	Repair Damaged Masonry Veneer	3819	sf	\$15.00	1.67	\$96,000
3.5.1	Replace Controls with DDC System	362	pts	\$500.00	1.67	\$303,000
3.5.2.1	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.5.2.2	Replace Water Heater	1	ls	\$1,000.00	1.67	\$2,000
3.5.3.1	Main Service Electric Distribution Panel	1	ls	\$30,000.00	1.67	\$50,000
3.6.1	Provide Accessible Routes of Travel to Parking	800	lf	\$105.00	1.67	\$141,000
3.6.1	Provide ADA Accessible Curb Ramps	1	ls	\$5,900.00	1.67	\$10,000
3.6.1	Ramps along on-site accessible route (Handrails)	200	lf	\$55.00	1.67	\$18,000
3.6.2	Provide ADA Accessible Van Parking	1	ls	\$5,000.00	1.67	\$8,000
3.6.3	Replace Interior Door Hardware	41	ea	\$475.00	1.67	\$32,000
3.6.3	Upgrade Door Assemblies	49	ea	\$475.00	1.67	\$39,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	10	fix	\$5,000.00	1.67	\$84,000
3.6.6	Provide ADA Accessible Drinking Fountains	6	ea	\$3,500.00	1.67	\$35,000
3.6.9	Provide Accessible Route to Play Areas	1	ls	\$20,000.00	1.67	\$33,000
3.7.1	Provide Sprinklers in Custodian & Stage	1	ls	\$9,000.00	1.67	\$15,000
3.7.1	Replace Kitchen Hood and Fan	1	ea	\$65,000.00	1.67	\$109,000
3.7.1	Provision of Fire Extinguishers	1	ls	\$3,000.00	1.67	\$5,000
3.7.2	Install Visual Fire Alarm Signals	43493	sf	\$0.35	1.67	\$25,000
3.7.3	Upgrade Corridor Envelope	4833	sf	\$4.00	1.67	\$32,000
3.7.6	Provide Emergency Egress Lighting	1	ls	\$15,000.00	1.67	\$25,000
Subtotal Immediate Upgrades						\$1,161,000
Long-Term Maintenance Items						
3.2.1	Corrective Site Grading to Improve Drainage	10000	sy	\$3.00	1.67	\$50,000
3.2.2	Replace, Repair & Restripe Parking, Curbs & Gutters	3650	sy	\$18.00	1.67	\$110,000
3.2.2	Development of additional parking area	1500	sy	\$21.00	1.67	\$53,000
3.2.3	Replace Concrete Walks	9500	sf	\$3.65	1.67	\$58,000
3.2.3	Repair & Refinish covered walkways	3480	sf	\$4.50	1.67	\$26,000
3.2.4	Repair/Replace hard surface play area	1972	sf	\$4.50	1.67	\$15,000
3.2.4	Repair and Replace Playground Equipment	1	ls	\$40,000.00	1.67	\$67,000
3.2.4	Repair/Replace soft surface play area	11260	sf	\$2.50	1.67	\$47,000
3.2.5.1	Provision of a Water Meter	1	ea	\$2,000.00	1.67	\$3,000
3.3.4	Replace Ballasted EPDM roofing	7942	sf	\$6.00	1.67	\$80,000
3.3.4	Repair Comp Shingle Roof at Media	841	sf	\$4.00	1.67	\$6,000
3.4.1	Replace Finishes After ACM Abatement	6838	sf	\$4.50	1.67	\$52,000
3.5.1	Roof Mounted Trane Condenser Rusted (Repair)	1	ls	\$1,000.00	1.67	\$2,000
3.5.2.3	Replace old plumbing fixtures	27	ea	\$2,000.00	1.67	\$90,000
3.5.3.2	Replace Switchboard Service & Distribution Panels	1	ls	\$35,000.00	1.67	\$59,000
3.5.3.4	Exterior Lighting	1	ls	\$3,000.00	1.67	\$5,000
3.5.3.4	Parking Lot Lighting	1	ls	\$16,000.00	1.67	\$27,000
3.5.3.4	Remediation of Soffit Lighting	1	ea	\$2,000.00	1.67	\$3,000
3.6.3	Porches, Walkways & Ramps at exit doors	33	ea	\$2,000.00	1.67	\$111,000
3.6.3	Provide Handrails at Ramps	100	lf	\$42.00	0.00	\$0
3.6.4	ADA Room Signage	43493	sf	\$0.35	1.67	\$25,000
3.6.5	Provide Accessible Public Toilets at Admin	1	ls	\$25,000.00	1.67	\$42,000
3.6.5	Provide Accessible Toilets at Some Classrooms	1	ls	\$35,000.00	1.67	\$59,000
3.6.5	Modify Showers at Teacher's Office	1	ls	\$12,500.00	0.00	\$0
3.6.8	Provide Chair Lift at Stage	1	ea	\$8,000.00	1.67	\$13,000
3.8.0	Remove Non-Friable ACM	1	ls	\$27,000.00	1.67	\$45,000
Subtotal Long-Term Maintenance Items						\$1,048,000
Total Immediate & Long-Term Upgrades						\$2,209,000