

**DDESS Facility Survey, Fort Knox, KY
Kingsolver Elementary School
Engineers' Opinion of Probable Cost**

03-8111-02
26-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	Upgrade/Repair Electrical Service to Building	1	ls	\$2,000.00	1.67	\$3,000
3.3.1	Repair Foundation at Pod C	200	lf	\$225.00	1.67	\$75,000
3.3.3.1	Repair Damaged Masonry Veneer	5775	sf	\$15.00	1.67	\$145,000
3.3.4	Patch Roof Leaks	1	ls	\$20,000.00	1.67	\$33,000
3.5.1	Upgrade Controls to a DDC System	285	points	\$500.00	1.67	\$239,000
3.5.2.1	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.5.2.2	Replace hot water heater at Computer Lab	1	ea	\$1,000.00	1.67	\$2,000
3.5.3.2	Upgrade Electrical Distribution and Branch Panels	38025	sf	\$3.00	1.67	\$191,000
3.6.1	Provide Accessible Route of Travel to Parking	1	ls	\$13,625.00	1.67	\$23,000
3.6.1	Provide ADA Accessible Ramps along accessible route	1	ls	\$12,753.00	1.67	\$21,000
3.6.2	Provide ADA Accessible Curb Cuts and Van Parking	1	ls	\$5,000.00	1.67	\$8,000
3.6.3	Handrails at Ramps	100	lf	\$55.00	1.67	\$9,000
3.6.3	Replace Interior Door Hardware	60	ea	\$475.00	1.67	\$48,000
3.6.3	Upgrade Door Assemblies	1	ls	\$2,000.00	1.67	\$3,000
3.6.3	Provide One Accessible Classroom Per Pod	1	ls	\$82,949.00	1.67	\$139,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	1	ls	\$42,510.00	1.67	\$71,000
3.6.6	Provide ADA Accessible Drinking Fountains	1	ls	\$5,450.00	1.67	\$9,000
3.6.9	Provide Hardscape Play Surface at Each Play Group	1	ls	\$35,000.00	1.67	\$59,000
3.7.1	Fire Sprinklers at Stage and Janitor's Closets	1	ls	\$5,000.00	1.67	\$8,000
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	\$2,000.00	1.67	\$3,000
3.7.2	Install Visual Fire Alarm Signals	38025	sf	\$0.35	1.67	\$22,000
3.7.3	Firestop all penetrations in Separation Walls	1	ls	\$43,818.00	1.67	\$73,000
3.7.5	Provide Additional Exit at Media Center	1	ls	\$8,195.45	1.67	\$14,000
3.7.6	Provide Emergency Lighting in Gym & Cafeteria	1	ls	\$14,170.00	1.67	\$24,000
3.7.6	Provide Emergency Lighting in all Egress Corridors	1	ls	\$10,900.00	1.67	\$18,000
					0.00	\$0
Subtotal Immediate Upgrades						\$1,386,000
Long-Term Maintenance Items						
					1.67	\$0
3.2.2	Replace, Repair and Restripe Parking Lot, Curbs and Gutters	750	sy	\$18.00	1.67	\$23,000
3.2.3	Replace Concrete Walks	1000	sf	\$3.65	1.67	\$6,000
3.2.3	Replace Concrete Roof at Walkways	4400	sf	\$9.00	1.67	\$66,000
3.2.4	Repair/Replace hard surface play area	6400	sf	\$4.50	1.67	\$48,000
3.2.4	Repair/Replace damaged play equipment	1	ls	\$10,000.00	1.67	\$17,000
3.2.5.1	Provision for a Water Meter	1	ea	\$10,400.00	1.67	\$17,000
3.2.5.3	Replace Sanitary Sewer Piping	1	ls	\$30,000.00	1.67	\$50,000
3.3.4	Replace Modified Bitumen roof at Kitchen	5100	sf	\$6.00	1.67	\$51,000
3.3.4	Replace EPDM fully adhered on classroom pods	15800	sf	\$6.00	1.67	\$159,000
3.3.4	Replace Composition Shingle Roof and Components	16100	sf	\$4.00	1.67	\$108,000
3.5.1	Replace Cast Iron Boilers	1	ls	\$25,000.00	1.67	\$42,000
3.5.1	Replace condensing unit on Computer Lab	1	ea	\$20,000.00	1.67	\$33,000
3.5.2.3	Replace Plumbing Fixtures in Classroom Buildings	27	ea	\$2,000.00	1.67	\$90,000
3.5.3.4	Add Exterior Wall Packs	1	ls	\$3,000.00	1.67	\$5,000
3.5.3.4	Add Parking Lot Lighting	1	ls	\$4,000.00	1.67	\$7,000
3.5.3.4	Remediation of Soffit and entrance Lighting	1	ea	\$2,000.00	1.67	\$3,000
3.6.3	Porches, Walkways & Ramps at exit doors	1	ls	\$12,753.00	1.67	\$21,000
3.6.4	ADA Room Signage	38025	sf	\$0.35	1.67	\$22,000
3.6.5	Provide Accessible Public Toilets @ Admin & Classrooms	1	ls	\$25,500.00	1.67	\$43,000
3.6.8	Provide Chair Lift at Stage	1	ea	\$8,000.00	1.67	\$13,000
3.8	Remove Non-Friable ACM	1	ls	\$26,000.00	1.67	\$44,000
					1.67	\$0
Subtotal Long-Term Maintenance Items						\$868,000
Total Immediate & Long-Term Upgrades						\$2,254,000