

**DDESS Facility Survey, Ft. Knox, Kentucky
Walker Intermediate School
Engineers' Opinion of Probable Cost**

03-8111-02

28-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						
					0.00	\$0
					0.00	\$0
3.2.5.1	Install Backflow Device on Domestic Water, Main Line	1	ea	\$11,700.00	1.67	\$20,000
3.2.5.3	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.3.2	Replace Damaged Wood Roof Decking	2000	sf	\$3.00	1.67	\$10,000
3.3.4	Replace \ Repair Roof Leaks in EPDM	19241	sf	\$6.00	1.67	\$193,000
3.3.4	Replace Composition Roof	4500	sf	\$4.00	1.67	\$30,000
3.5.1	Replace Boilers	2	ea	\$60,000.00	1.67	\$201,000
3.5.1	Replace Heating Water Boiler	1	ea	\$2,000.00	1.67	\$3,000
3.5.1	Replace Controls for HVAC with DDC System	412	pts	\$500.00	1.67	\$345,000
3.5.3.2	Repair Electrical Distribution and Branch Panels (Partial)	43980	sf	\$2.00	1.67	\$147,000
3.6.1	Provide Accessible Route of Travel From Parking	450	lf	\$50.00	1.67	\$38,000
3.6.1	Move Door to Avoid ADA Ramp	1	ls	\$2,500.00	1.67	\$4,000
3.6.1	Provide ADA Accessible Curb Ramps	1	ls	\$3,000.00	1.67	\$5,000
3.6.2	Provide ADA Van Accessible Parking	1	ls	\$5,000.00	1.67	\$8,000
3.6.3	Replace Interior Doors and Hardware	40	ea	\$475.00	1.67	\$32,000
3.6.3	Add Ramps out of Emergency Exits	9	ea	\$2,000.00	1.67	\$29,000
3.6.5	Provide Additional Access. Toilets	4	ea	\$5,000.00	1.67	\$33,000
3.6.6	Provide ADA Accessible Drinking Fountains	8	ea	\$1,350.00	1.67	\$18,000
3.6.8	Provide Chair Lift (Stage)	1	ea	\$8,000.00	1.67	\$13,000
3.7.1	Replace Kitchen Hood	1	ea	\$65,000.00	1.67	\$109,000
3.7.1	Fire Sprinkler System (Stage)	2199	sf	\$5.00	1.67	\$18,000
3.7.1	Fire Sprinkler System (Janitor)	550	sf	\$5.00	1.67	\$5,000
3.7.1	Provide Fire Extinguishers at Designated Spaces	54975	sf	\$0.05	1.67	\$5,000
3.7.2	Install Visual Fire Alarm Signals	49478	sf	\$0.35	1.67	\$29,000
3.7.4	Upgrade, Firesafe Penetrations and Deck	5498	sf	\$4.00	1.67	\$37,000
3.7.6	Provide Emergency Egress Lighting	54975	sf	\$0.50	1.67	\$46,000
Subtotal Immediate Upgrades						\$1,395,000
Long-Term Maintenance Items						
					1.67	\$0
3.2.2	Provide Additional Parking Lot Surfacing	2315	sy	\$21.00	1.67	\$81,000
3.2.3	Replace Covered Walks	2880	sf	\$4.50	1.67	\$22,000
3.2.4	Repair Running Track Cracks	4900	sy	\$4.00	1.67	\$33,000
3.3.3.1	Repair Damaged Masonry	3500	sf	\$15.00	1.67	\$88,000
3.4.1	Replace Finishes after ACM Abatement	4000	sf	\$4.50	1.67	\$30,000
3.5.2.2	Replace Plumbing Fixtures and Connections	41	fix	\$2,000.00	1.67	\$136,000
3.5.3.4	New Soffit Lighting	1	ls	\$2,000.00	1.67	\$3,000
3.5.3.4	Repair/Addition of Exterior Wall Packs	1	ls	\$3,000.00	1.67	\$5,000
3.5.3.4	Parking Lot Lighting	1	ls	\$12,000.00	1.67	\$20,000
3.6.3	Provide Accessible Auxillary Exits	4	ea	\$3,500.00	1.67	\$23,000
3.6.4	Provide ADA Signage	54975	sf	\$0.35	1.67	\$32,000
3.6.5	Provide Accessible Staff Toilets incl. Finishes	6	fix	\$5,000.00	1.67	\$49,000
3.8.0	Abate Non-Friable AC M	1	ls	\$11,000.00	1.67	\$18,000
					1.67	\$0
Subtotal Long-Term Maintenance Items						\$540,000
Total Immediate & Long-Term Upgrades						\$1,935,000