

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

03-8111-02  
 28-Aug-03



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

Ref.	Description	Quantity	Unit	Unit Price	Mult.	Total
<b>Immediate Upgrades</b>						
3.2.1	Improve Storm Drainage at Entry and Nurse	1	ls	\$15,000.00	1.67	\$25,000
3.2.5.1	Install Backflow Preventer on Domestic Water	1	ea	\$11,700.00	1.67	\$20,000
3.2.5.5	Repair Electrical Service to Building	1	ls	\$2,000.00	1.67	\$3,000
3.3.1	Repair/Stabilize Foundation	300	lf	\$225.00	1.67	\$113,000
3.3.3.1	Repair Damaged Masonry Veneer	2733	sf	\$15.00	1.67	\$69,000
3.3.4	Replace EPDM roofing	0	sf	\$6.00	1.67	\$0
3.3.4	Replace BUR at Covered Entry	0	sf	\$6.00	1.67	\$0
3.3.4	Replace Comp Shingle Roof at Media, Gym & Freezer	0	sf	\$4.00	1.67	\$0
3.5.1	Replace Controls with DDC	348	pts	\$500.00	1.67	\$291,000
3.5.2.1	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.5.2.2	Provide Combustion Air at Boilers	1	ls	\$2,600.00	1.67	\$4,000
3.5.3.1	Main Service Electric Distribution Panel	1	ls	\$30,000.00	1.67	\$50,000
3.5.3.6	Repair Damaged Phone Lines	1	ls	\$10,000.00	1.67	\$17,000
3.6.1	Provide Accessible Routes of travel	1	ls	\$30,000.00	1.67	\$50,000
3.6.1	Provide ADA Accessible Ramps along accessible route	1	ls	\$9,900.00	1.67	\$17,000
3.6.1	Ramps along on-site accessible route (Handrails)	1	ls	\$6,000.00	1.67	\$10,000
3.6.2	Provide ADA Accessible Curb Cuts and Van Parking	1	ls	\$5,000.00	1.67	\$8,000
3.6.3	Replace Interior Doors and Hardware	1	ls	\$7,800.00	1.67	\$13,000
3.6.3	Upgrade Door Assemblies	1	ls	\$32,800.00	1.67	\$55,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	1	ls	\$15,000.00	1.67	\$25,000
3.6.6	Provide ADA Accessible Drinking Fountains	1	ls	\$7,500.00	1.67	\$13,000
3.6.9	Provide Accessible Play Areas	1	ls	\$35,000.00	1.67	\$59,000
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	37116	sf	\$0.35	1.67	\$22,000
3.7.2	Correct pull stations provided at emergency egress	1	ls	\$7,750.00	1.67	\$13,000
3.7.3	Upgrade Corridor Envelope	1	ls	\$39,900.00	1.67	\$67,000
3.7.6	Provide Emergency Egress Lighting	1	ls	\$10,000.00	1.67	\$17,000
<b>Subtotal Immediate Upgrades</b>						<b>\$1,107,000</b>
<b>Long-Term Maintenance Items</b>						
					1.67	\$0
3.2.2	Replace Parking, Curbs & Gutters	6600	sy	\$18.00	1.67	\$199,000
3.2.3	Replace Concrete Walks	3000	sf	\$3.65	1.67	\$18,000
3.2.3	Repair & Refinish covered walkways	3000	sf	\$4.50	1.67	\$23,000
3.2.4	Repair/Replace hard surface play area	7000	sf	\$4.50	1.67	\$53,000
3.2.4	Repair and Replace Playground Equipment	1	ls	\$10,000.00	1.67	\$17,000
3.2.4	Repair/Replace soft surface play area	2400	sf	\$2.50	1.67	\$10,000
3.2.5.1	Provision of a Water Meter	1	ea	\$2,000.00	1.67	\$3,000
3.2.5.3	Repair/Replace Sanitary Sewer Line	1	ls	\$60,000.00	1.67	\$100,000
3.4.1	Replace Finishes after Asbestos Abatement	6028	sf	\$3.00	1.67	\$30,000
3.5.1	Roof Mounted Trane Condenser rusted	1	ls	\$2,000.00	1.67	\$3,000
3.5.2.3	Replace classroom plumbing fixtures	20	ea	\$2,000.00	1.67	\$67,000
3.5.3.2	Replace Distribution Panels and Some Home Runs	1	ls	\$60,000.00	1.67	\$100,000
3.5.3.3	Replace Classroom Lighting in Original Building	34796.25	sf	\$3.50	1.67	\$204,000
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
3.6.1	Provide Accessible Route From Auxillary Entrances	1	ls	\$50,000.00	1.67	\$84,000
3.6.3	Porches, Walkways & Ramps at exit doors	1	ls	\$36,600.00	1.67	\$61,000
3.6.4	ADA Room Signage	34796.25	sf	\$0.35	1.67	\$20,000
3.6.5	Provide Accessible Public Toilets at Admin	1	ls	\$28,120.00	1.67	\$47,000
3.6.5	Provide Accessible Toilets at Classrooms	1	ls	\$79,650.00	1.67	\$133,000
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	\$26,500.00	1.67	\$44,000
<b>Subtotal Long-Term Maintenance Items</b>						<b>\$1,220,000</b>
<b>Total Immediate &amp; Long-Term Upgrades</b>						<b>\$2,327,000</b>