

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

03-8111-02
 27-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 Damaged Exposed Foundation Elements	1	ls	\$15,000.00	1.67	\$25,000
3.3.1	Replace Gym Floor Slab and Fill Below	6300	sf	\$10.00	1.67	\$105,000
3.3.3.1	Repair Damaged Masonry Veneer	2959	sf	\$15.00	1.67	\$74,000
3.3.4	Repair Leaks on SSMR over existing structure	1	ls	\$20,000.00	1.67	\$33,000
3.4.1	Replace Gym Floor	6300	sf	\$9.00	1.67	\$95,000
3.5.1	Replace Exhaust Fans	1	ls	\$2,500.00	1.67	\$4,000
3.5.1	Conduct IAQ Study	1	ls	\$5,000.00	1.67	\$8,000
3.5.2.1	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.5.2.1	Repair Leaky Geothermal Piping	1	ls	\$20,000.00	1.67	\$33,000
3.5.3.1	Main Service Electric Distribution Panel	1	ls	\$27,000.00	1.67	\$45,000
3.5.3.2	Reroute Water Lines Away From Electrical Panels	1	ls	\$15,000.00	1.67	\$25,000
3.5.3.4	Soffit and Entrance Lighting	1	ls	\$5,000.00	1.67	\$8,000
3.5.3.4	Parking Lot Lighting	1	ls	\$6,000.00	1.67	\$10,000
3.6.1	Provide Accessible Route of Travel to Parking	1	ls	\$4,700.00	1.67	\$8,000
3.6.1	Provide ADA Accessible Ramps along accessible route	1	ls	\$11,700.00	1.67	\$20,000
3.6.1	Ramps along on-site accessible route	1	ls	\$10,500.00	1.67	\$18,000
3.6.1	Ramps along interior accessible route	1	ls	\$10,200.00	1.67	\$17,000
3.6.1	Handrails at Stairs in corridors	50	lf	\$55.00	1.67	\$5,000
3.6.2	Provide ADA Accessible Curb Cuts and Van Parking	1	ls	\$14,700.00	1.67	\$25,000
3.6.3	Handrails at Exterior Ramps	1	ls	\$3,600.00	1.67	\$6,000
3.6.3	Replace Interior Doors and Hardware	1	ls	\$5,500.00	1.67	\$9,000
3.6.3	Upgrade Door Assemblies	1	ls	\$23,750.00	1.67	\$40,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	1	ls	\$30,850.00	1.67	\$52,000
3.6.5	Provide Access. Showers at Boys and Girls Lockers	1	ls	\$37,060.00	1.67	\$62,000
3.6.6	Provide ADA Accessible Drinking Fountains	1	ls	\$7,500.00	1.67	\$13,000
3.6.9	Provide Access. Seating at Gym	1	ls	\$6,200.00	1.67	\$10,000
3.7.1	Replace Kitchen Hood and Fan	1	ea	\$40,000.00	1.67	\$67,000
3.7.1	Provision of Fire Extinguishers	1	ls	\$2,000.00	1.67	\$3,000
3.7.2	Install Visual Fire Alarm Signals	1	ls	\$23,250.00	1.67	\$39,000
3.7.4	Replace Corridor doors, frames & Hardware	50	ea	\$475.00	1.67	\$40,000
3.7.6	Provide Emergency Egress Lighting	1	ls	\$25,000.00	1.67	\$42,000
Subtotal Immediate Upgrades						\$981,000
Long-Term Maintenance Items						
3.2.2	Replace, Repair & Restripe Parking, Curbs & Gutters	4500	sy	\$18.00	1.67	\$136,000
3.2.2	Development of additional parking area	1500	sy	\$21.00	1.67	\$53,000
3.2.3	Replace Concrete Walks	7000	sf	\$3.65	1.67	\$43,000
3.2.3	Repair & Refinish covered walkways	1550	sf	\$4.50	1.67	\$12,000
3.2.4	Repair/Replace hard surface play area	7940	sf	\$4.50	1.67	\$60,000
3.3.4	Replace EPDM on gym, locker, music & art rooms	24500	sf	\$6.00	1.67	\$246,000
3.3.4	Replace Modified Bitumen roof at Covered Entry	1	ls	\$3,000.00	1.67	\$5,000
3.3.4	Replace Composition Shingle Roof and Components	450	sf	\$4.00	1.67	\$3,000
3.4.1	Replace Flooring After ACM Abatement	33000	sf	\$2.25	1.67	\$124,000
3.5.3.2	Replace Switchboard Service & Distribution Panels	1	ls	\$50,000.00	1.67	\$84,000
3.5.3.4	Remediation of Exterior Lighting	1	ea	\$1,000.00	1.67	\$2,000
3.6.3	Porches, Walkways & Ramps at exit doors	1	ls	\$11,700.00	1.67	\$20,000
3.6.4	ADA Room Signage	65300	sf	\$0.35	1.67	\$38,000
3.6.5	Provide Accessible Public Toilets @ Admin	1	ls	\$36,400.00	1.67	\$61,000
3.8.0	Abate Non-Friable ACM	1	ls	\$180,000.00	1.67	\$301,000
3.6.8	Provide Chair Lift at Stage	1	ea	\$6,200.00	1.67	\$10,000
Subtotal Long-Term Maintenance Items						\$1,198,000
Total Immediate & Long-Term Upgrades						\$2,179,000