

DDESS Facility Survey, Quantico Virginia
Ashurst Elementary School
Engineers' Opinion of Probable Cost

03-8111-02
 12/10/03



Cost Markups & Multipliers:		
General Contractor Overhead, Profit & Bond		25.00%
Area Multiplier		0.98
Escalation from 2002 to 2004		8.86%
Contingency		25.00%
Total Multiplier For FY 04 Costs		1.67

Ref.	Description	Quantity Unit	Unit Price	Mult.	Total
Immediate Upgrades					
3.2.6	Move Planting beds away from Building	1 ls	\$3,000.00	1.67	\$5,000
3.2.8.1	Install Backflow Preventer on Domestic Water	1 ea	\$11,700.00	1.67	\$20,000
3.2.8.4	Install Grease Trap for Kitchen Waste	1 ea	\$10,000.00	1.67	\$17,000
3.3.2	Remove Damaged Insulation/Fireproofing from Attic	37000 sf	\$0.75	1.67	\$46,000
3.3.3.1	Masonry Vaneer Repair and Joints	2500 sf wall	\$5.00	1.67	\$21,000
3.3.3.4	Repair Damaged Concrete Soffits	3 ea	\$6,000.00	1.67	\$30,000
3.3.4	Remove Combustible Asphalt & Felts From Attic	37000 sf	\$0.75	1.67	\$46,000
3.3.4	Repair Roof Leaks and Downspouts, Replace Flashing	37000 sf	\$0.50	1.67	\$31,000
3.4.1	Replace Portions Cafeteria Acc. Lay-in Ceiling	2000 sf	\$2.25	1.67	\$8,000
3.5.1	Provide ADA Accessible Route to Main Entrance	100 lf	\$105.00	1.67	\$18,000
3.5.6	Provide ADA Accessible Drinking Fountains	4 ea	\$1,350.00	1.67	\$9,000
3.5.9	Provide Accessible Walkways to Playsurfaces	1800 sf	\$3.25	1.67	\$10,000
3.5.9	Provide Hardscape Play Surface at Each Play Group	1 ls	\$35,000.00	1.67	\$58,000
3.6.1	Conduct and IAQ and Microbial Study	1 ls	\$10,000.00	1.67	\$17,000
3.6.3.1	Replace and Repair Exhaust Fans	4 ea	\$800.00	1.67	\$5,000
3.6.4.3	Entrance Lights in Storeroom, Office and Multipurpose	10000 sf	\$3.50	1.67	\$58,000
3.6.4.4	Exterior Security Lighting	1 ls	\$40,000.00	1.67	\$67,000
3.8.1	Fire Sprinklers at Stage and Janitor's Closets	2000 sf	\$4.00	1.67	\$13,000
3.8.10	Emergency Lights in Corridors & Windowless Rooms	38138.4 sf	\$0.50	1.67	\$32,000
3.8.2	Install Visual Fire Alarm Signals	37000 sf	\$0.35	1.67	\$22,000
3.8.2.1	Provide Pull-Stations at Designated Areas	1 ls	\$1,000.00	1.67	\$2,000
3.8.2.2	Replace Kitchen Hood for Life Safety Compliance	1 ea	\$65,000.00	1.67	\$108,000
3.8.2.2	Replace Kitchen Ceiling After Hood Installation	800 sf	\$4.00	1.67	\$5,000
3.8.7	Firestop all penetrations in Separation Walls	1200 lf wall	\$10.00	1.67	\$20,000
3.8.8	Replace Exit Corridor Door Hardware	45 ea	\$475.00	1.67	\$36,000
				0.00	\$0
Subtotal Immediate Upgrades					\$704,000
Long-Term Maintenance Items					
3.2.4	Replace Parking Lot Surfacing and Curbs	2464.4444 sy	\$18.00	1.67	\$74,000
3.2.5	Replace Damaged Concrete Walks	1800 sf	\$3.65	1.67	\$11,000
3.3.3.4	Replace Stucco Soffits	400 sf	\$11.00	1.67	\$7,000
3.4.1	Replace Carpet after ACM abatement	1000 sf	\$2.25	1.67	\$4,000
3.4.1	New Ceilings Throughout for New Ductwork Install	37000 sf	\$2.25	1.67	\$139,000
3.5.3	ADA Compliant Hardware on All Doors to Accessible Sp.	40 ea	\$475.00	1.67	\$32,000
3.5.3	Provide Accessible Routes from All Entry/Exit Doors	225 lf	\$105.00	1.67	\$39,000
3.5.4	ADA Room Signage	42376 sf	\$0.35	1.67	\$25,000
3.5.8	Provide Chair Lift at Stage	1 ea	\$8,000.00	1.67	\$13,000
3.6.2.1	Replace Toilet Domestic & Sanitary Water Piping	14 ea	\$6,000.00	1.67	\$140,000
3.6.2.2	Replace Domestic Water heater and Storage Tank	1 ea	\$5,000.00	1.67	\$8,000
3.6.2.3	Replace Old Plumbing Fixtures	44 fix	\$2,000.00	1.67	\$147,000
3.6.3.1	Improve Make up Fresh Air System and Add Ductwork	37000 sf	\$10.00	1.67	\$617,000
3.6.4.1	Replace Main Switchboard	1 ls	\$37,625.00	1.67	\$63,000
3.6.4.2	Replace Electrical Panels	5 ea	\$5,063	1.67	\$42,000
3.6.4.3	New Lighting	27000 sf	\$3.50	1.67	\$158,000
3.6.4.4	Provide lighting in Overflow Parking Lot	4 pole	\$3,500.00	1.67	\$23,000
3.8.11	Replace Exterior Window Sealant	3300 lf	\$1.50	1.67	\$8,000
3.8.11	Asbestos Abatement of Flooring and Window Sealant	1 ls	\$28,324.00	1.67	\$47,000
Subtotal Long-Term Maintenance Items					\$1,597,000
Total Immediate & Long-Term Upgrades					\$2,301,000