

**DDESS Facility Survey, Dahlgren Naval Surface Warfare Center, Virginia
Dahlgren School
Engineers' Opinion of Probable Cost**

03-8111-02
10-Dec-03



Cost Markups & Multipliers:	
General Contractor Overhead, Profit & Bond	25.00%
Area Multiplier	0.98
Escalation from 2001 to 2004	8.86%
Contingency	15.00%
Total Multiplier For FY 04 Costs	1.53

Ref.	Description	Quantity Unit	Unit Price	Mult.	Total
Immediate Upgrades					
3.2.1	Stormwater Drainage at Rear of Building	1 ls	\$5,000.00	1.53	\$8,000
3.2.6	Move Planting beds away from Building	1 ls	\$3,000.00	1.53	\$5,000
3.2.8.1	Install Backflow Device on Domestic Water & Fire Sprink.	2 ea	\$11,700.00	1.53	\$36,000
3.3.1	Repair Settling Foundations	125 lf wall	\$225.00	1.53	\$43,000
3.3.2	Repair Damaged Masonry Veneer / Clean Exist. Masonry	8000 sf	\$15.00	1.53	\$184,000
3.3.2	Repair Masonry Pilaster at Auditorium Wall	1 ls	\$8,000.00	1.53	\$12,000
3.3.3.2	Replace Entry Doors and Hardware at Original Building	4 ea	\$1,500.00	1.53	\$9,000
3.3.3.5	Repair Concrete Coping	200 lf	\$50.00	1.53	\$15,000
3.3.4	Repair Roof Leaks around Parapet	4000 sf	\$2.00	1.53	\$12,000
3.5.1	Provide Accessible Ramps to Classrooms Off Stage	2 ea	\$15,000.00	1.53	\$46,000
3.5.1	Provide ADA Accessible Curb Cuts and Van Parking	1 ls	\$5,000.00	1.53	\$8,000
3.5.1	Provide ADA Accessible Route to Main Entrance	75 lf	\$105.00	1.53	\$12,000
3.5.3	Replace Int. Corridor Doors & Hardware in Orig. Bldg.	14 ea	\$1,200.00	1.53	\$26,000
3.5.6	Provide ADA Accessible Drinking Fountains	4 ea	\$1,350.00	1.53	\$8,000
3.5.9	Provide Hardscape Play Surface at Each Play Group	1 ls	\$35,000.00	1.53	\$54,000
3.6.3.1	Replace Boiler and Associated Piping	1 ls	\$100,000.00	1.53	\$153,000
3.6.3.2	Replace Fan Coil Units	14 ea	\$5,000.00	1.53	\$107,000
3.8.10	Provide Emergency Lighting in all Egress Corridors	40 ea	\$156.25	1.53	\$10,000
3.8.2	Install Smoke Detectors	24 ea	\$250.00	1.53	\$9,000
3.8.2	Install Visual Fire Alarm Signals	41000 sf	\$0.35	1.53	\$22,000
3.8.4	Extend Mech. Room Walls to deck in 1994 Addition	40 lf	\$50.00	1.53	\$3,000
3.8.4	Move Electrical Panel in 1994 Addition	1 ls	\$50,000.00	1.53	\$77,000
3.8.3	Replace Glazing Panel above Doors with Wire Glass	250 sf	\$40.00	1.53	\$15,000
				0.00	\$0

Subtotal Immediate Upgrades \$874,000

Long-Term Maintenance Items					
3.2.4	Additional Parking Lot, Curbs and Gutters	600 sy	\$21.00	1.53	\$19,000
3.2.5	Replace Concrete Walks	1800 sf	\$3.65	1.53	\$10,000
3.2.8.1	Provide Water Meter	1 ea	\$5,550.00	1.53	\$9,000
3.3.4	Replace All Roofing, EPDM and BUR types	7052 sf	\$6.00	1.53	\$65,000
3.3.4	Replace Composition Shingle Roof and Components	28344 sf	\$4.00	1.53	\$174,000
3.3.4	Replace Metal Roof and Components	5876 sf	\$6.00	1.53	\$54,000
3.4.1	New Ceilings in Auditorium and Stage	3120 sf	\$2.25	1.53	\$11,000
3.5.3	ADA Compliant Path from Auxillary Exits	100 lf	\$105.00	1.53	\$16,000
3.5.3	ADA Compliant Int. Doors and Hardware to Accessible Sp.	14 ea	\$1,200.00	1.53	\$26,000
3.5.4	ADA Room Signage	1 ls	\$15,000.00	1.53	\$23,000
3.5.8	Provide Chair Lift at Stage	1 ea	\$8,000.00	1.53	\$12,000
3.6.2.1	Replace Domestic & Sanitary Water Piping	1600 lf	\$45.00	1.53	\$110,000
3.6.2.2	Replace Fuel Oil Burner and Storage Tank	1 ea	\$35,000.00	1.53	\$54,000
3.6.2.3	Renovate Single User Toilet Rooms for ADA	4 ea	\$20,000.00	1.53	\$123,000
3.6.3.2	Replace Remaining Fan Coil Units	18 ea	\$5,000.00	1.53	\$138,000
3.6.3.4	Replace Air Handler Serving Gym and Associated Ext. Duct	1 ea	\$10,000.00	1.53	\$15,000
3.6.4.2	Replace Electrical Panel and Wiring at Auditorium	1 ls	\$7,062.00	1.53	\$11,000
3.6.4.3	New Lighting Auditorium	3360 sf	\$2.50	1.53	\$13,000
3.6.4.4	Provide Wall Pack Exterior Lights at Front of Building	12 ea	\$500.00	1.53	\$9,000
3.6.4.6	Replace Intercom & Masterlock System	41000 sf	\$1.25	1.53	\$79,000
3.8.3	Seal Corridor Walls for Smoke Compartmentalization	600 lf	\$25.00	1.53	\$23,000
3.9	Asbestos Abatement (Supply & Waste Piping in Chases)	1 ls	\$20,000.00	1.53	\$31,000
				1.53	\$0
				1.53	\$0

Subtotal Long-Term Maintenance Items \$1,025,000

Total Immediate & Long-Term Upgrades \$1,899,000