

**DDESS Facility Survey, United States Military Academy
West Point Middle School, West Point, NY
Engineers' Opinion of Probable Cost**

03-8111-02
28-Mar-03



Cost Markups & Multipliers:	
General Contractor Overhead, Profit & Bond	25.00%
Area Multiplier	1.4
Escalation from 2001 to 2004	8.86%
Contingency	15.00%
Total Multiplier For FY 04 Costs	2.19

Ref.	Description	Quantity	Unit	Unit Price	Mult.	Total
Immediate Upgrades						
3.2.3	Repair / Replace Concrete Walks	5000	sf	\$3.65	2.19	\$40,000
3.2.5.1	Install Backflow Device on Domestic Water	1	ea	\$11,700.00	2.19	\$26,000
3.2.5.1	Provide Metering for Water Service	1	ea	\$11,700.00	2.19	\$26,000
3.2.5.3	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	2.19	\$22,000
3.3.3.5	Replace Coping or Parapet Caps	945	lf	\$15.00	2.19	\$31,000
3.3.4	Repair/Replace Flashings and Leaks	52588	sf	\$0.50	2.19	\$58,000
3.5.1	Rooftop Units, Single Zone and Duct (1 unit only)	1	ls	\$35,000.00	2.19	\$77,000
3.5.1	Repair / Replace Controls	191	ton	\$500.00	2.19	\$209,000
3.5.3.4	Replace Damaged Soffit Fixtures	1	ea	\$3,500.00	2.19	\$8,000
3.5.3.6	Repair Intercom System Console	1	ls	\$10,000.00	2.19	\$22,000
3.6.1	Provide Accessible Route of Travel from Parking	200	lf	\$50.00	2.19	\$22,000
3.6.2	Provide ADA Accessible Curb Ramps	1	ls	\$2,500.00	2.19	\$5,000
3.6.2	Provide ADA Accessible Parking	1	ls	\$2,500.00	2.19	\$5,000
3.6.3	Provide LULA Elevator at Entry	1	ls	\$45,000.00	2.19	\$99,000
3.6.1	Replace Interior Ramp Handrails	120	lf	\$55.00	2.19	\$14,000
3.6.3	Replace Interior Doors and Hardware	10	ea	\$1,200.00	2.19	\$26,000
3.6.3	Replace Interior Door Hardware	48	ea	\$475.00	2.19	\$50,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	8	fix	\$5,000.00	2.19	\$88,000
3.6.6	Provide ADA Accessible Drinking Fountains	6	ea	\$1,350.00	2.19	\$18,000
3.6.8	Elevator Upgrades for ADA Compliance	1	ls	\$75,000.00	2.19	\$164,000
3.6.8	Provide Chair Lift at Equipment and Stairs	2	ea	\$16,000.00	2.19	\$70,000
3.6.9	Provide Hardscape Play Surface at Each Play Group	1	ls	\$35,000.00	2.19	\$77,000
3.7.1	Fire Sprinkler System at Janitor Spaces	526	sf	\$5.00	2.19	\$6,000
3.7.1	Fire Sprinkler System at Stage	2104	sf	\$5.00	2.19	\$23,000
3.7.1	Replace Kitchen Hood System	1	ea	\$52,500.00	2.19	\$115,000
3.7.1	Replace Kitchen Hood Fire Suppression system	1	ea	\$12,500.00	2.19	\$27,000
3.7.1	Install Fire Extinguishers	52588	sf	\$0.10	2.19	\$12,000
3.7.2	Install Proper Pull Stations	1	ls	\$5,000.00	2.19	\$11,000
3.7.2	Install Visual Fire Alarm Signals	52588	sf	\$0.35	2.19	\$40,000
3.7.3	Upgrade Corridor Envelope, Including Firestopping	5259	sf	\$4.00	2.19	\$46,000
3.7.6	Install Directional Emergency Exit Signage	17	ea	\$150.00	2.19	\$6,000
3.7.6	Provide Emergency Lighting in all Egress Corridors	42070	sf	\$0.50	2.19	\$46,000
Subtotal Immediate Upgrades						\$1,489,000
Long-Term Maintenance Items						
3.3.3.1	Repair Damaged Masonry Veneer	1890	sf	\$15.00	2.19	\$62,000
3.5.1	Radiant Heaters, Steam Piping	52588	sf	\$2.00	2.19	\$230,000
3.5.1	Upgrade / Repair Exhaust System	1	ea	\$30,000.00	2.19	\$66,000
3.5.2.1	Replace Supply and Waste Piping	18491	lf	\$15.00	2.19	\$608,000
3.5.2.3	Replace Plumbing Fixtures	39	ea	\$2,000.00	2.19	\$169,000
3.5.3.3	New Fluorescent Interior T-8 Ballasted, Lighting	52588	sf	\$3.50	2.19	\$403,000
3.5.3.4	Repair/Addition of Exterior Wall Packs	5	ea	\$500.00	2.19	\$5,000
3.5.3.4	Parking Lot Lighting	3	pole	\$3,500.00	2.19	\$23,000
3.5.3.7	Repair Educational Television System	1	ls	\$10,000.00	2.19	\$22,000
3.6.1	Replace Exterior Ramp Handrails	240	lf	\$55.00	2.19	\$29,000
3.6.3	Replace Interior Door Hardware to Access Spaces	20	ea	\$475.00	2.19	\$21,000
3.6.4	Provide ADA Signage	42702	sf	\$0.35	2.19	\$33,000
3.6.8	Provide Chair Lift and Equipment at Stage and Corridor	1	ea	\$8,000.00	2.19	\$18,000
3.6.5	Provide Accessible Staff Toilets incl. Finishes	8	fix	\$5,000.00	2.19	\$88,000
3.8	Remove Friable ACM	1	ls	\$52,639.00	2.19	\$115,000
Subtotal Long-Term Maintenance Items						\$1,892,000
Total Immediate & Long-Term Upgrades						\$3,381,000