

**DDESS Facility Survey, Fort Knox, Kentucky  
Fort Knox High School  
Engineers' Opinion of Probable Cost**

03-8111-02  
21-Aug-03



<b>Cost Markups &amp; Multipliers:</b>	
General Contractor Overhead, Profit & Bond	25.00%
Area Multiplier	1.07
Escalation from 2001 to 2004	8.86%
Contingency	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 Drainage at Gym	1	ls	\$3,000.00	1.67	\$5,000
3.2.5.1	Install Backflow Device 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	Foundation Repair at Band Hall	100	lf	\$225.00	1.67	\$38,000
3.3.3.1	Repair Damaged Masonry Veneer (Band Hall)	4284	sf	\$15.00	1.67	\$108,000
3.3.3.2	Replace Entry Doors	2	ea	\$1,500.00	1.67	\$5,000
3.3.4	Replace Roofing, accessories, fascia, etc. (Old Bldg)	60662	sf	\$6.00	1.67	\$609,000
3.5.1	Replace HVAC Controls	910	pts	\$500.00	1.67	\$762,000
3.5.2.1	Install Grease Trap for Kitchen Waste	1	ea	\$10,000.00	1.67	\$17,000
3.5.2.2	Replace Hot Water Heater and Storage Tank	1	ls	\$5,000.00	1.67	\$8,000
3.5.3.1	Replace Distribution Panels at Boiler Room	1	ls	\$45,000.00	1.67	\$75,000
3.5.3.2	Replace Distribution Panels	1	ls	\$50,000.00	1.67	\$84,000
3.6.1	Provide ADA Accessible Ramps along accessible route	600	lf	\$55.00	1.67	\$55,000
3.6.1	Provide Accessible Route of Travel to Parking	600	lf	\$50.00	1.67	\$50,000
3.6.2	Provide ADA Accessible Curb Cuts and Van Parking	1	ls	\$5,000.00	1.67	\$8,000
3.6.3	Modify Ramps for Secondary Exits	20	ea	\$1,500.00	1.67	\$50,000
3.6.3	Replace Interior Doors and Hardware	101	ea	\$1,200.00	1.67	\$203,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	19	fix	\$5,000.00	1.67	\$161,000
3.6.6	Provide ADA Accessible Drinking Fountains	8	ea	\$2,000.00	1.67	\$27,000
3.7.1	Fire Sprinkler System at Janitor Closets	1	ls	\$3,000.00	1.67	\$5,000
3.7.1	Fire Sprinkler System at Stage	1	ls	\$7,000.00	1.67	\$12,000
3.7.1	Replace Kitchen Hood and Fan	1	ea	\$65,000.00	1.67	\$109,000
3.7.1	Provision of Fire Extinguishers	12140	sf	\$0.10	1.67	\$2,000
3.7.2	Install Visual Fire Alarm Signals	121324	sf	\$0.35	1.67	\$71,000
3.7.2	Upgrade Fire Alarm Sensors	1	ls	\$6,000.00	1.67	\$10,000
3.7.3	Area Separation Walls Firestopping	12140	sf	\$4.00	1.67	\$81,000
3.7.6	Upgrade Emergency Lighting in all Egress Corridors	1	ls	\$30,000.00	1.67	\$50,000
<b>Subtotal Immediate Upgrades</b>						<b>\$2,628,000</b>
<b>Long-Term Maintenance Items</b>						
					1.67	\$0
3.2.2	Replace Parking Lot Surfacing and Curbs	14000	sy	\$18.00	1.67	\$422,000
3.2.3	Replace Concrete Walks	12500	sf	\$3.65	1.67	\$76,000
3.2.3	Replace Major Walkway Covers	12500	sf	\$4.50	1.67	\$94,000
3.2.5.3	Replace/Repair Sanitary Sewer Service to Building	1	ls	\$20,000.00	1.67	\$33,000
3.3.3.1	Repair Parapets	2700	sf	\$10.00	1.67	\$45,000
3.3.3.1	Repair/Replace Stucco or EIFS	5000	sf	\$10.00	1.67	\$84,000
3.3.3.1	Repair/Replace Exterior Metal Panel	24000	sf	\$8.00	1.67	\$321,000
3.3.3.5	Replace Stone Coping	636	lf	\$85.00	1.67	\$91,000
3.3.4	Replace Roofing at Vocational Annex & Intramural	59824	sf	\$6.00	1.67	\$601,000
3.5.1	Replace Boiler	1	ls	\$60,000.00	1.67	\$100,000
3.5.1	Repair Air Cooled Condensers on Roof	1	ls	\$10,000.00	1.67	\$17,000
3.5.2.1	Replace Water and Waste Piping (Old Bldg)	60000	sf	\$2.00	1.67	\$201,000
3.5.2.3	Replace Plumbing Fixtures and Connections in Old Bldg	65	fix	\$2,000.00	1.67	\$218,000
3.5.3.3	Replace Corridor Ceilings and Lights	12132	sf	\$5.75	1.67	\$117,000
3.5.3.4	Add Exterior Wall Packs	1	ls	\$3,000.00	1.67	\$5,000
3.5.3.4	Add Parking Lot Lighting	1	ls	\$8,000.00	1.67	\$13,000
3.5.3.4	Soffit Lighting	1	ls	\$2,000.00	1.67	\$3,000
3.6.4	Provide ADA Signage	12140	sf	\$0.35	1.67	\$7,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	4	fix	\$5,000.00	1.67	\$33,000
3.6.8	Provide Chair lift	1	ea	\$8,000.00	1.67	\$13,000
3.8.0	Abate Non-Friable ACM	1	ls	\$206,000.00	1.67	\$345,000
<b>Subtotal Long-Term Maintenance Items</b>						<b>\$2,839,000</b>
<b>Total Immediate &amp; Long-Term Upgrades</b>						<b>\$5,467,000</b>