

**DDESS Facility Survey, Fort Bragg, North Carolina**  
**Butner Elem School, Fort Bragg**  
**Engineers' Opinion of Probable Cost**

03-8111-02

08-Dec-03



<b>Cost Markups &amp; Multipliers:</b>	
General Contractor Overhead, Profit & Bond	25.00%
Area Multiplier	0.88
Escalation from 2001 to 2004	8.86%
Contingency	15.00%
<b>Total Multiplier For FY 04 Costs</b>	<b>1.38</b>

Ref.	Description	Quantity	Unit	Unit Price	Mult.	Total
<b>Immediate Upgrades</b>						
3.2.5.1	Install Backflow Device on Domestic Water	1	ea	\$11,700.00	1.38	\$16,000
3.3.4	Repair Roof Leaks and Downspouts, Replace Flashing	37295	sf	\$0.50	1.38	\$26,000
3.5.3.5	Security, Masterclock and Public Address System, Repair, Activate	70000	sf	\$0.60	1.38	\$58,000
3.6.1	Provide Accessible Route of Travel to Parking	100	lf	\$50.00	1.38	\$7,000
3.6.2	Provide ADA Accessible Curb Cuts and Van Parking	1	ls	\$2,500.00	1.38	\$3,000
3.6.3	Replace Int. Exsist Door and Hardware	58	ea	\$1,200.00	1.38	\$96,000
3.6.5	Provide Accessible Public Toilets incl. Finishes	14	fix	\$5,000.00	1.38	\$96,000
3.6.6	Provide ADA Accessible Drinking Fountains	2	ea	\$1,350.00	1.38	\$4,000
3.6.9	Provide Hardscape Play Surface at Each Play Group	3	ls	\$35,000.00	1.38	\$145,000
3.7.1	Shunt Trip Breakers at Kitchen hood	1	ls	\$6,000.00	1.38	\$8,000
3.7.1	Fire Sprinkler System @ Stage	3730	sf	\$5.00	1.38	\$26,000
3.7.1	Replace Safety Ladder	1	ls	\$1,000.00	1.72	\$2,000
3.7.2	Install Visual Fire Alarm Signals	59672	sf	\$0.65	1.38	\$53,000
3.7.2	Provide Smoke Detectors at Designated Areas	1	ls	\$2,000.00	1.38	\$3,000
3.7.3	Upgrade Corridor Envelope	7459	sf	\$4.00	1.38	\$41,000
<b>Subtotal Immediate Upgrades</b>						<b>\$584,000</b>
<b>Long-Term Maintenance Items</b>						
3.2.5.1	Upgrade Water Service to Building	200	lf	\$20.00	1.38	\$6,000
3.2.5.3	Replace/Repair Sanitary Sewer Service to Building	74590	sf	\$1.00	1.38	\$103,000
3.3.3.1	Repair Damaged Masonry Veneer	1500	sf	\$15.00	1.38	\$31,000
3.4.1	Replace Flooring After Abatement	30742	sf	\$2.25	1.38	\$95,000
3.3.4	Replace Roofing and Coping	14000	sf	\$6.00	1.38	\$116,000
3.5.1	Replace Air Cooled Condensers and DX Coil	30	ea	\$7,000.00	1.38	\$289,000
3.5.1	Replace Pnuematic Controls	500	points	\$500.00	1.38	\$344,000
3.5.1	Replace Kitchen Exhaust Fan	1	ea	\$12,500.00	1.38	\$17,000
3.5.2.1	Replace Supply and or Waste Piping	5208	lf	\$15.00	1.38	\$108,000
3.5.3.2	Wiring to Distribution Panels	42702	sf	\$3.50	1.38	\$206,000
3.6.4	Provide ADA Signage	74590	sf	\$0.35	1.38	\$36,000
3.6.5	Provide Accessible Toilets in Support Space	12	fix	\$5,000.00	1.38	\$83,000
3.6.8	Provide Chair lift	1	ea	\$8,000.00	1.72	\$14,000
3.8	Abate Asbestos	1	ls	\$128,000.00	1.38	\$176,000
<b>Subtotal Long-Term Maintenance Items</b>						<b>\$1,448,000</b>
<b>Total Immediate &amp; Long-Term Upgrades</b>						<b>\$2,032,000</b>