

This updated newsletter supersedes the PAX Newsletter No. 3.2.2, 20 March 2003, and updates the Appendix A, Facility Unit Cost Table, Appendix C, Tri-Service Military Construction Program (MCP) Index, and Table 1, Size Adjustment Factors, contained in TM 5-800-4, Programming Cost Estimates for Military Construction, dated May 1994. It may be used as a guide for preparation and/or review of the Army military construction cost estimates for programming and budgeting purposes for FY 2005/2006 and beyond unless otherwise noted. This newsletter is also published and maintained on the web page at <http://www.hq.usace.army.mil/cemp/e/ec/pax/paxtoc.htm>.

1. APPENDIX A - FACILITY UNIT COST TABLE

a. The tabulation is arranged numerically by category codes. Category code series descriptions are contained in DA Pamphlet 415-28, Guide to Army Real Property Category Codes, 3 October 2003. Where unit costs span a group of subcategories, the five (5) digit category code is designated by adding XX behind the three (3) digit main category code for this group. For example, 851XX and 852XX are designated for roads, streets, parking, apron and sidewalks pavements.

b. Unit costs reflected herein are escalated to 1 October 2006 (MCP Index = 2309), the assumed midpoint of construction for FY06 projects, with an area cost factor (ACF) of 1.00. The MCP inflation indices shown in Appendix C should be used to escalate the FY06 and future unit costs beyond 1 Oct 06. These unit costs do not include allowances for construction contingencies and S&A, but do include contractor's markup cost for overhead & profit.

c. Unit costs reflected herein should be adjusted by the appropriate area cost factor, cost escalation factor as described in Appendix C, size adjustment factor in Table I, and other adjustment factors as described in the TM 5-800-4, when applicable. The ACF list is contained in Appendix B, Location Adjustment Factors in the TM 5-800-4, and updated by the latest PAX Newsletter No. 3.2.1, Area Cost Factors Indexes, which is also available on the web page as addressed above.

d. Building size identified in Part I of Appendix A is a reference size, but may not be a standard size from facility standard design criteria. This quantity may be used in conjunction with Table I, Size Adjustment Factors, to determine an appropriate size adjustment factor for the proposed facility.

e. The building unit costs in Appendix A, Part I, are for the primary gross areas only, and do not include support facilities cost, equipment acquired with other fund (non-MILCON) sources, anti-terrorism/force protection costs, or construction cost growth resulting from unforeseen site conditions or user requested change orders.

f. Building unit costs include installed (built-in) building equipment and furnishings normally funded with MILCON funds as described in AR 415-15. For medical facilities, the building costs include Categories A and B equipment, but exclude Categories E and F equipment.

g. Chart A in Appendix A contains unit costs for Sitework Utility Piping. Chart C in Appendix A contains information for unit of measurement conversion factors between Metric and English Systems.

2. APPENDIX C - TRI-SERVICE MILITARY CONSTRUCTION PROGRAM (MCP) INDEX

The base cost index for the unit costs in Appendix A is for an assumed midpoint of construction date of 1 October 2006 (MCP Index = 2309) as described in paragraph 1.b above. For a project with an anticipated midpoint of construction date other than 1 October 2006, a cost escalation factor can be determined from this appendix as follows:

$$\begin{aligned} \text{Project Anticipated Midpoint Date} &= 1 \text{ January } 2008 \text{ (MCP Index} = 2365) \\ \text{Cost Escalation Factor} &= \text{MCP Index } 1 \text{ Jan } 08 / \text{MCP Index } 1 \text{ Oct } 2006 = 2365/2309 = 1.0243 \end{aligned}$$

3. PROPONENT OF THIS NEWSLETTER: HQUSACE/CECW-EI, 202-761-5545 or DSN-763-5545, and FAX 202-761-0623 and Internet Address: "amitava.ghosh@usace.army.mil".

APPENDIX A - FACILITY UNIT COST TABLE
PART I - BUILDINGS AND MAJOR FACILITIES
(09 Jan 04)

CATEGORY		UNIT COST			REMARK
CODE	ITEM	QUANTITY	UNIT	\$/UNIT	
111XX	AIRFIELD RUNWAYS				SEE CATCODE 851XX
112XX	AIRFIELD TAXIWAYS				SEE CATCODE 851XX
113XX	AIRFIELD APRONS				SEE CATCODE 851XX
116XX	AIRFIELD MISC. PAVING				SEE CATCODE 851XX
124XX	FUEL STORAGE (OPERATING)	3,785	L	\$1.14	UNDERGRD STG - INCLUDES EXCAVATION, BACKFILL & MANHOLE, EXCLUDES EXTERIOR PIPING & PUMPING
		18,927	L	\$1.08	
		37,854	L	\$1.03	
		75,708	L	\$1.00	
		113,562	L	\$0.90	
13120	COMMUNICATIONS CENTER	560	M2	\$2,147.00	NO SHIELDING
	SATCOM CENTER	560	M2	\$5,317.00	W/ SHIELDING & GENERATOR
13131	INFORMATION PROCESS CTR	1,950	M2	\$2,013.00	AUTOMATIC DATA PROCESSING W/ RAISED FLOOR, ADMIN & STG AREAS
13310	FLIGHT CONTROL TOWER	465	M2	\$2,727.00	
14110	AIRFIELD OPS BLDG	930	M2	\$2,379.00	WITHOUT TOWER
14112	AVIATION UNIT OPS BLDG	1,115	M2	\$1,668.00	SQUADRON
14113	ACCESS CONTROL FAC	25	M2	\$2,094.00	SENTRY STATION
14114	CIDC FIELD OPS BLDG	875	M2	\$1,567.00	
14129	TRAINING AIDS CENTER	75	M2	\$1,299.00	
14132	READY BUILDING	1,860	M2	\$1,406.00	
14162	SCIF FACILITY	2,320	M2	\$1,965.00	
14165	FUELING/POL SUPP. BLDG	20	M2	\$2,276.00	ADD PUMPS (\$4500 EA) ADD STG TANKS (SEE CATCODE 124XX) AND PAVING (SEE CATCODE 851XX)
14182	BRIGADE HQS BLDG	1,020	M2	\$1,722.00	
14183	BATTALION HQS BLDG	1,020	M2	\$1,643.00	
14185	COMPANY OPS BLDG	745	M2	\$1,557.00	
14955	WASH PLATFORM, ORG	1	EA	\$69,029.00	2 VEHICLES - LOW PRES. W/ WASHWATER TREATMENT
14960	GREASE RACK	1	EA	\$54,039.00	2 VEHICLES
14962	CENTRALIZED WASH FAC	1	EA	\$6,741,915.00	16 STATIONS WITH WASHWATER RECYCLING
17112	FLIGHT SIMULATOR BLDG	2,970	M2	\$1,525.00	BUILDING ONLY
17119	ORGANIZATIONAL CLASSROOM	2,970	M2	\$1,385.00	
17120	GENERAL INSTRUCTION BLDG	2,300	M2	\$1,701.00	
17121	INDOOR FIRING RANGE	520	M2	\$1,224.00	
17123	RANGE SUPPORT BLDG	185	M2	\$1,192.00	
	FIELD RANGE LATRINES	55	M2	\$1,879.00	
17131	COMPACT ITEM REPAIR INST BLDG	560	M2	\$1,310.00	
17132	GEN ITEM REP INST BLDG	2,300	M2	\$1,224.00	
17133	VEHICLE MAINT INST BLDG	2,800	M2	\$1,582.00	
17134	AIRCRAFT MAINT INST BLDG	3,250	M2	\$2,153.00	HIGH BAY BUILDING
17135	LABORATORY INST BLDG	835	M2	\$2,083.00	
17136	AUTO-AIDED INSTRUCTION BLDG	2,300	M2	\$1,916.00	
17137	MATERIAL HANDLING INST BLDG	3,715	M2	\$880.00	
17139	COVERED TRAINING AREA	560	M2	\$472.00	
17140	ARMY RESERVE CENTER BLDG	1,860	M2	\$1,507.00	FOR OTHER RESERVE FACILITIES USE UNIT COST FROM APPROPRIATE FACILITY TYPE

APPENDIX A - FACILITY UNIT COST TABLE
PART I - BUILDINGS AND MAJOR FACILITIES
(09 Jan 04)

CATEGORY				UNIT COST	
<u>CODE</u>	<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>\$/UNIT</u>	<u>REMARK</u>
17142	ARMY NATIONAL GUARD/ARMORY	1,860	M2	\$1,507.00	
17971	OBSERVATION TOWER/BUNKER	75	M2	\$1,943.00	COST EXCLUDES EQUIP
21110	AIRCRAFT MAINT. HANGARS				
	MAINT GEN PURPOSE	2,150	M2	\$1,851.00	
	HIGH BAY MAINTENANCE	3,250	M2	\$2,153.00	
	CORROSION CONTROL	3,250	M2	\$2,083.00	
21120	A/C COMPONENT MAINT SHOP	1,860	M2	\$1,385.00	
21130	A/C PAINT SHOP	6,505	M2	\$2,555.00	
21140	A/C ENGINE TEST CELL FAC	1,210	M2	\$1,567.00	
21210	GUIDED MISSILE MAINT FAC	950	M2	\$1,750.00	
21410	VEHICLE MAINT SHOP - TRACK	2,300	M2	\$1,636.00	
	VEHICLE MAINT SHOP - WHEELED	2,800	M2	\$1,582.00	
21470	OIL STORAGE BLDG	65	M2	\$966.00	
21610	AMMO RENOVATION SHOP	605	M2	\$1,439.00	
21612	AMMUNITION SURVEILLANCE	1,210	M2	\$1,621.00	
21630	AMMUNITION DEMIL. FAC	7,665	M2	\$9,566.00	CHEM DEMILITARIZATION FAC
21710	ELECTRONICS MAINT. SHOP	510	M2	\$1,224.00	
21740	AVIONICS MAINT SHOP	2,150	M2	\$1,615.00	
21850	BATTERY SHOP	465	M2	\$1,224.00	
21881	ABN EQUIP/PARACHUTE REPAIR	745	M2	\$1,755.00	
21885	INST MAINT SHOP, GEN PURPOSE	2,415	M2	\$1,292.00	
21910	ENG/HOUSING MAINT SHOP	2,880	M2	\$1,224.00	
31010	CHEMISTRY LAB	830	M2	\$2,083.00	
31410	GROUND TRANS EQUIPMENT BLDG	2,880	M2	\$1,589.00	
411XX	LIQUID FUEL STORAGE - BULK	400	L	\$455.00	ABOVE GROUND STEEL TANKS INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
		800	L	\$303.00	
		1,600	L	\$219.00	
		4,000	L	\$168.00	
		8,000	L	\$122.00	
		16,000	L	\$87.00	
		40,000	L	\$77.00	
		400	L	\$455.00	ABOVE GRD STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE, INTERIOR EPOXY LINING & INTERIOR COATING
		800	L	\$303.00	
		1,600	L	\$247.00	
		4,000	L	\$192.00	
		8,000	L	\$150.00	
		16,000	L	\$115.00	
		40,000	L	\$97.00	
42180	IGLOO STORAGE, DEPOT	450	M2	\$2,282.00	HIGH EXPLOSIVE MAGAZINE, WITH EARTH MOUNDING
42183	G P MAGAZINE, DEPOT	930	M2	\$2,131.00	W/O CRANE
42280	IGLOO STORAGE, INST				SEE CATCODE 42180
42283	G P MAGAZINE, INST				SEE CATCODE 42183
43211	COLD STORAGE FACILITY				
	WAREHOUSE W/ PROCESSING	1,000	M2	\$1,313.00	
	COLD STORAGE WAREHOUSE	550	M2	\$1,755.00	

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44110	GENERAL PURPOSE WAREHOUSE				
	LOW BAY	3,700	M2	\$829.00	5 M STACK HEIGHT
	HIGH BAY	9,290	M2	\$936.00	UP TO 8 M STACK HEIGHT
44130	CONTROLLED HUMIDITY WHSE, DEPOT	3,720	M2	\$870.00	
44135	HAZARDOUS MATERIAL STORAGE	1,950	M2	\$1,321.00	
44150	FLAMMABLE MATERIAL STRHSE	760	M2	\$1,267.00	
44181	VEHICLE STORAGE FACILITY	1,485	M2	\$451.00	OPEN
		1,490	M2	\$666.00	ENCLOSED
44210	AC PARTS STORAGE BLDG	1,490	M2	\$773.00	
44220	G P STORAGE FACILITY, INST				SEE CATCODE 44110
44222	STORAGE SHED, COVERED	2,230	M2	\$344.00	OPEN SIDES
44224	DEPLOYMENT EQUIP STG BLDG	315	M2	\$784.00	
44230	CONTROLLED HUMIDITY WHSE, INST				SEE CATCODE 44130
44240	FLAMMABLE MATERIAL STRHSE, INST				SEE CATCODE 44150
45110	OPEN STORAGE AREA, DEPOT				SEE CATCODE 851XX
45210	OPEN STORAGE AREA, INST				SEE CATCODE 851XX
51010	MEDICAL CENTER/HOSPITAL	16,725	M2	\$2,347.00	STATION HOSPITAL
				\$2,669.00	REGIONAL MEDICAL CTR
				\$2,669.00	TEACHING HOSPITAL
53060	MEDICAL WAREHOUSE	4,090	M2	\$870.00	
53071	AMBULANCE GARAGE	45	M2	\$719.00	
54010	DENTAL CLINIC	1,860	M2	\$2,336.00	
55010	MEDICAL/HEALTH CLINIC	4,650	M2	\$2,110.00	
	AMBULATORY HEALTH CLINIC	9,290	M2	\$1,991.00	
61050	ADMIN FACILITY GEN PURP	2,300	M2	\$1,528.00	ADP CTR, AUDITORIUM, CAFETERIA, SECURITY, & PRE-WIRED WORK STA. NOT INCLUDED
	COMMAND HQS BUILDING	3,700	M2	\$1,981.00	
	PRE-WIRED WORK STATION		EA	\$5,351.00	
62010	UNDERGROUND ADMIN FAC	555	M2	\$1,932.00	HARDENED FACILITY
711XX	FAMILY HOUSING W/SPRINKLERS	N/A	M2	\$775.00	CONUS \$/GROSS M2 INCLUDES POST AWARD & DESIGN COST
	OR FIRE RATED CONSTRUCTION	N/A	M2	\$775.00	CONUS \$/GROSS M2 INCLUDES POST AWARD & DESIGN COST
71410	DETACHED GARAGES	25	M2	\$472.00	SINGLE CAR/MASONRY
				\$301.00	SINGLE CAR/WOOD
71411	CARPORT	25	M2	\$247.00	OPEN SIDES
72111	UNACCOMPANIED PERSONNEL HOUSING, ENLISTED	9,250	M2	\$1,647.00	DOES NOT INLCUDE FREE-STANDING KITHCENETTE EQUIPMENT
	SOLDIER COMMUNITY BLDG	1,360	M2	\$1,589.00	300 PERSON MODULE

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CATEGORY				UNIT COST	
<u>CODE</u>	<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>\$/UNIT</u>	<u>REMARK</u>
NOTE: ALL UNFINISHED, OR FINISHED ATTIC AREAS WITH AN AVERAGE HEIGHT OF 2100 MM (6'-11") MEASURED FROM THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND WITH PERIMETER WALLS MEASURING A MINIMUM 1500 MM (4'-11"), MUST BE COUNTED AS FULL SCOPE.					
72181	BASIC TRAINEE BARRACKS	34,315	M2	\$1,460.00	COST APPLIES TO ENTIRE COMPLEX
	COMPANY/BARRACKS	29,140	M2	\$1,363.00	BLDG ONLY, CENTRAL ENERGY PLANT NOT INLCUDED
	BATTALION HQS	2,050	M2	\$1,525.00	
	DINING FACILITY	3,125	M2	\$2,416.00	
72210	DINING FACILITY	2,000	M2	\$2,669.00	
72410	UNACCOMP. OFFICERS QTRS	4,100	M2	\$1,615.00	DOES NOT INLCUDE FREE-STANDING KITCHENETTE EQUIPMENT
72411	UNACCOMP. OFFICERS QTRS	4,090	M2	\$1,615.00	TRANSIENT
73010	FIRE STATION, COMMUNITY	750	M2	\$1,851.00	
73016	POLICE/MP STATION	390	M2	\$1,578.00	
73017	CHAPEL	1,400	M2	\$1,873.00	
73018	RELIGIOUS EDUCATION FAC	1,400	M2	\$1,525.00	WITH FAMILY LIFE CTR.
73046	DEPENDENT SCHOOLS				
	ELEMENTARY	N/A	M2	\$1,528.00	
	JUNIOR HIGH SCHOOL	N/A	M2	\$1,550.00	
	HIGH SCHOOL	N/A	M2	\$1,615.00	
74010	AUDITORIUM G P	370	M2	\$1,449.00	
74011	BOWLING CENTER	700	M2	\$1,765.00	W/ EQUIP - 8 LANES (PIN SPOTTING EQUIP & AUTO. SCORING DEVICE)
74012	CAFETERIA	465	M2	\$1,782.00	
74014	CHILD DEVELOPMENT CENTER	2,300	M2	\$1,819.00	DOES NOT INCLUDE FREE-STANDING FOOD SERVICE EQUIPMENT OR PLAYGROUND AREA AND EQUIPMENT. FOR OUTDOOR PLAY AREA, SEE CATCODE 75018
74021	COMMISSARY W/ OPERATIONAL EQUIPMENT	7,900	M2	\$1,485.00	
74022	SKILL DEVELOPMENT CENTER	2,050	M2	\$1,245.00	NON-AUTOMOTIVE CRAFTS/GENERAL SKILL
74023	CREDIT UNION	280	M2	\$1,417.00	INCLUDES VAULT
74024	SKILL DEVELOPMENT CENTER	1,400	M2	\$1,267.00	AUTOMOTIVE CRAFTS
74025	EDUCATION CENTER	2,800	M2	\$1,830.00	ARMY CONTINUING EDUC SYSTEM FACILITY
74028	PHYSICAL FITNESS CTR	2,800	M2	\$1,798.00	EXCLUDES INDOOR SWIMMING POOL (74042)
74030	SPORT PRO SHOP	2,600	M2	\$1,460.00	CLUB
74032	GUEST HOUSE	2,800	M2	\$1,539.00	TEMPORARY LODGING FACILITIES
74033	COMMUNITY SERVICE CENTER	3,160	M2	\$1,578.00	
74041	MAIN LIBRARY	1,100	M2	\$1,776.00	
74046	CONSOLIDATED OPEN DINING FAC				SEE CATCODE 74047
74047	NCO OPEN DINING / SERVICE CLUB	2,090	M2	\$2,486.00	
74048	OFFICER OPEN DINING				SEE CATCODE 74047
74053	MAIN EXCHANGE	7,430	M2	\$1,195.00	W/ MALL SERVICE SHOPS
74056	EXCHANGE SERVICE OUTLET				SEE CATCODE 74053
74066	YOUTH CENTER	2,300	M2	\$1,744.00	
74068	RECREATION CENTER	1,860	M2	\$1,668.00	

APPENDIX A - FACILITY UNIT COST TABLE
PART I - BUILDINGS AND MAJOR FACILITIES
(09 Jan 04)

CATEGORY		UNIT COST			REMARK
CODE	ITEM	QUANTITY	UNIT	\$/UNIT	
74070	INDOOR ROLLER SKATING RINK	1,860	M2	\$1,106.00	
74072	INDOOR SWIMMING POOL	560	M2	\$1,739.00	25 METER NATATORIUM
74065	RECREATIONAL EQUIP CHECKOUT	465	M2	\$805.00	
	RECREATIONAL SUPPORT BUILDING				SEE RECREATIONAL EQUIP CHECKOUT
75018	PLAYGROUND, G P				
	CHILD DEVELOPMENT CTR OUTDOOR PLAY AREA:				
	60 CHILD CAPACITY	560	M2	\$333.00	COST OF PLAY AREA INCLUDES FENCE, EQUIPMENT, AND SHED
	99 CHILD CAPACITY	920	M2	\$268.00	
	122 CHILD CAPACITY	1,135	M2	\$236.00	
	145 CHILD CAPACITY	1,350	M2	\$204.00	
	198 CHILD CAPACITY	1,840	M2	\$172.00	
	244 CHILD CAPACITY	2,270	M2	\$161.00	
	303 CHILD CAPACITY	2,815	M2	\$140.00	
75022	MULTI-PURPOSE ATH FIELD	1	EA	\$188,878.00	TURFED AREA EXCLUDES SITES PREP & ELECTRICAL LIGHTING
75030	OUTDOOR SWIMMING POOL	1,210	M2	\$1,149.00	50 METER WITH CHANGE HOUSE
891XX	PLANT/UTILITIES BLDG	N/A	M2	\$1,761.00	NO PLANT EQUIPMENT
NO CATEGORY CODE IS AVAILABLE FOR FOLLOWING ITEMS:					
	FOUNDATIONS, UNUSUAL				
	PILING, TREATED WOOD, 15M LENGTH, 300MM BUTT		M	\$88.00	
	PILING, CONCRETE 350 MM SQUARE		M	\$131.00	
	PILING, CONCRETE 400 MM SQUARE		M	\$137.00	
	PILING, CONCRETE 460 MM DIAMETER		M	\$157.00	
	PILING, STEEL H, 15M LENGTH, HP300M		M	\$105.00	
	PILING, STEEL PIPE 300M DIAMETER, CONC FILLED		M	\$134.00	

**APPENDIX A - FACILITY UNIT COST TABLE
PART II - SUPPORT FACILITIES AND ITEMS
(09 Jan 04)**

CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
81117	PRIME POWER PLANT		KW	\$1,038.00	EQUIPMENT ONLY - INCLUDES SWITCHGEAR
81150	UNINTER. PWR SUP (UPS)		KW	\$4,720.00	UNINTERRUPTIBLE POWER SYSTEM (UPS), COST INCLUDES STATIC SWITCHGEAR
81160	STANDBY GENERATOR				
		75	KW	\$514.00	COST INCL. BATTERY, CHARGE/MUFFLER/TRANSFER SWITCH & FUEL TANK
		125	KW	\$369.00	
		200	KW	\$294.00	
		300	KW	\$251.00	
	POWER PLANT BUILDING		M2	\$1,750.00	NO EQUIPMENT AND SWITCHGEAR
81230	EXTERIOR LIGHTING		M	\$105.00	UG DIRECT BURIAL W/ 500 WATT MV LAMINAR
81241	OVERHEAD ELECTRIC LINES				
	H-FRAME		KM	\$66,700.00	15 KV UP TO 69 KV SHORT LINES, WOOD POLE, 3 PH, 4 WIRE
	OVERHEAD W/ POLES		M	\$52.00	BELOW 15 KV WOOD POLE, 3 PH, 4 WIRE
81242	UNDERGRD ELECTRIC LINES				
	DIRECT BURIAL:				COSTS INCL TRENCH, SAND BASE, TREATED BOARD, BACKFILL AND MARKER
	# 1/0		M	\$52.00	3/C - 600V DB
	# 4/0		M	\$69.00	3/C - 600V DB
	UG DUCTS:				
	1-WAY-100 MM		M	\$75.00	TYPE EB, PVC, CONCRETE ENCASED 75 MM EACH WAY, INCLUDES EXCAVATION AND BACKFILL TO 1 M DEEP
	2-WAY-100 MM		M	\$88.00	
	4-WAY-100 MM		M	\$111.00	
	6-WAY-150 MM		M	\$134.00	
81320	SUBSTATION, LOAD UNINTER. SWITCH 600 AMP		KVA	\$73.00	300 KVA & BELOW W/CLF FUSES
81360	TRANSFORMERS, PRIMARY DELTA OR Y,277/480 V SECONDARY				
	150 KVA		EA	\$12,090.00	OIL-FILLED, PAD MOUNTED, 3-PHASE
	500 KVA		EA	\$18,080.00	
	1,000 KVA		EA	\$32,640.00	
	2,000 KVA		EA	\$48,800.00	
82110	HEAT PLANT COAL-FIRED				
	STEAM:				
	14,560 KW		EA	\$3,995,000.00	INCLUDES FUEL & ASH HANDLING FACILITIES
	29,300 KW		EA	\$7,238,720.00	
	43,950 KW		EA	\$10,315,490.00	
	58,600 KW		EA	\$13,215,690.00	
	HITEMP WATER:				
	14,650 KW		EA	\$3,763,830.00	INCLUDES FUEL & ASH HANDLING FACILITIES
	29,300 KW		EA	\$6,043,320.00	
	43,950 KW		EA	\$8,058,470.00	
	58,600 KW		EA	\$10,315,490.00	
82120	HEAT PLANT OIL-FIRED				
	STEAM:				
	2,930 KW		EA	\$712,740.00	
	14,650 KW		EA	\$2,448,580.00	

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PART II - SUPPORT FACILITIES AND ITEMS
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CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
	29,300 KW		EA	\$4,689,540.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILITY
	43,950 KW		EA	\$6,803,160.00	
	58,600 KW		EA	\$8,240,410.00	
	HITEMP WATER:				
	2,930 KW		EA	\$644,250.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILITY
	14,650 KW		EA	\$2,274,140.00	
	29,300 KW		EA	\$4,243,280.00	
	43,950 KW		EA	\$6,043,320.00	
	58,600 KW		EA	\$7,859,420.00	
82182	SOLAR HEATING				SEE SOLAR ENERGY CONVERSION - CHART B
82210	STEAM CONDENSATE LINES				INSUL, STEAM & CONDENS COST INCLUDES FITTINGS, ACCESSORIES, 1 M EXCAVATION, BACKFILL AND TESTING
	COMMON CONDUIT:				
	282 MM		M	\$684.00	STM: 50 MM, RET: 40 MM
	250 MM		M	\$622.00	STM: 40 MM, RET: 40 MM
	250 MM		M	\$592.00	STM: 32 MM, RET: 25 MM
	250 MM		M	\$586.00	STM: 25 MM, RET: 25 MM
	SINGLE CONDUIT:				STEAM OR HITEMP WATER, COST INCLUDES FITTINGS, ACCESSORIES, 1 M, EXCAVATION, BACKFILL AND TESTING
	150 MM		M	\$373.00	32 MM PIPE
	200 MM		M	\$399.00	40 MM PIPE
	200 MM		M	\$406.00	50 MM PIPE
	250 MM		M	\$491.00	65 MM PIPE
	250 MM		M	\$527.00	75 MM PIPE
	280 MM		M	\$635.00	100 MM PIPE
	380 MM		M	\$730.00	150 MM PIPE
82220	HOT WATER LINES				
	COMMON CONDUIT:				INCLUDES FITTINGS, ACCESSORIES, 1 M EXCAVATION, BACKFILL & TESTING
	300 MM		M	\$533.00	HW: 25 MM, RET: 25 MM
	330 MM		M	\$651.00	HW: 40 MM, RET: 40 MM
	380 MM		M	\$805.00	HW: 50 MM, RET: 50 MM
	450 MM		M	\$880.30	HW: 75 MM, RET: 75 MM
	530 MM		M	\$1,028.00	HW:100 MM, RET: 100 MM
	STEAM DIST MANHOLE, PREFAB STEEL, 2.5 M X 2.0 M HT		EA	\$16,490.00	VENT, MH VENT, NORMAL PIPING & INSTALLATION, CONDUIT, INCL LADDER
82410	GAS PIPE LINES				SEE CHART A
82610	AIR CONDITIONING/REFRIG PLANT				
	NEW BLDG		KW	\$902.00	
	EXISTING BLDG		KW	\$1,266.00	
83140	INDUSTRIAL WASTE TREATMENT PLANT		EA	\$1,748,680.00	2,000,000 LPM
83150	SEWAGE LIFT STATION		EA	\$202,780.00	4,000 LPD
83210	SANITARY SEWER				SEE CHART A

APPENDIX A - FACILITY UNIT COST TABLE
PART II - SUPPORT FACILITIES AND ITEMS
(09 Jan 04)

CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
	SANITARY SEWER MANHOLES:				
	CONCRETE, CIP:				
	UP TO 2.5 M DEEP		VM	\$1,522.00	1.2 M ID, INCLUDES FOOTING, EXCAVATION, 600 MM DIA COVER & FRAME
	OVER 2.5 M DEEP		VM	\$1,623.00	
	CONCRETE, PRECAST:				
	UP TO 2.5 M DEEP		VM	\$1,014.00	
	OVER 2.5 M DEEP		VM	\$1,122.00	
	MISC:				
	CATCH BASINS		EA	\$2,227.00	1.2 M DEEP
	CATCH BASINS		EA	\$2,968.00	1.8 M DEEP
	CURB INLETS		EA	\$577.00	GUTTERMOUTH
83310	INCINERATOR		EA	\$40,450.00	90 KG PER HR PER UNIT (EQUIPMENT ONLY)
84210	WATER DISTRIBUTION LINES				SEE CHART A
84472	WATER PUMP STATION, NONPOTABLE				
	30 LPS		EA	\$73,790.00	INCLUDES DIESEL DRIVE, AUTO CONTROLS, FILLINGS & ACCESSORIES, COMPLETE W/ INSTALLATION COSTS
	60 LPS		EA	\$97,950.00	
	120 LPS		EA	\$110,140.00	
	150 LPS		EA	\$113,400.00	
84610	WATER STORAGE TANK				
	ELEVATED WATER STG TANK				
	200 M3		EA	\$367,870.00	INCLUDES STEEL STG TANK STANDPIIPE, 38 M HIGH TOWER, VALVES AND STD FOUNDATIONS, BUT DOES NOT INCLUDE PUMPHOUSE
	400 M3		EA	\$461,470.00	
	600 M3		EA	\$552,900.00	
	1,000 M3		EA	\$636,700.00	
	2,000 M3		EA	\$1,024,160.00	
	3,000 M3		EA	\$1,414,780.00	
	4,000 M3		EA	\$1,798,980.00	
	GROUND STG TANK (WATER)				
	400 M3		EA	\$254,710.00	INCLUDES CONCRETE TANK AND STD FOUNDATIONS, BUT DOES NOT INCLUDE EXTERNAL PIPING AND PUMPING
	1,000 M3		EA	\$422,290.00	
	2,000 M3		EA	\$520,210.00	
	4,000 M3		EA	\$698,720.00	
	8,000 M3		EA	\$1,006,730.00	
	16,000 M3		EA	\$1,592,430.00	
84620	RESERVOIR, POTABLE				
	1,000 M3		EA	\$411,380.00	INCLUDES 150 MM CONCRETE FLOOR SLAB, ORDINARY EXCAVATION AND PUMPING WITHIN
	2,000 M3		EA	\$548,580.00	
	4,000 M3		EA	\$757,480.00	
	8,000 M3		EA	\$1,164,350.00	
	16,000 M3		EA	\$1,913,480.00	
851XX	ROADS				

**APPENDIX A - FACILITY UNIT COST TABLE
PART II - SUPPORT FACILITIES AND ITEMS
(09 Jan 04)**

CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
	A/C SURFACE				
	40 MM		M2	\$4.53	FOR PAVEMENT ONLY, A/C SURFACE, NO EARTHWORK INCLUDED, URBAN AREA
	50 MM		M2	\$5.85	
	75 MM		M2	\$7.63	
	CONCRETE				
	150 MM		M2	\$33.40	3.65 METER PASS FIXED FORM, JOINTS, FINISHING, CURING, URBAN AREA, DOES NOT INCL REINF
	200 MM		M2	\$45.33	
	250 MM		M2	\$52.49	
	300 MM		M2	\$60.84	
	BASE COURSE (CRUSHED STONES):				
	100 MM		M2	\$6.20	INCLUDES MATERIAL, EQUIPMENT & COMPACTION, NO EARTHWORK INCLUDED
	150 MM		M2	\$9.30	
	200 MM		M2	\$13.12	
	300 MM		M2	\$20.28	
	BASE COURSE (BANK RUN GRAVEL):				
	150 MM		M2	\$4.65	
	230 MM		M2	\$6.56	
	300 MM		M2	\$8.71	
851XX	ROADS				
	BASE COURSE (BITUM. CONCRETE):				
	100 MM		M2	\$8.47	
	150 MM		M2	\$10.86	
	200 MM		M2	\$14.31	
	250 MM		M2	\$16.70	
	150 MM X 200 MM CURB/GUTTER		M	\$55.62	CONCRETE
852XX	SIDEWALK & OTHER PAVEMENTS				SEE CATCODE 851XX
85220	SIDEWALKS & WALKWAYS				
	100 MM CONCRETE		M2	\$46.16	INCLUDES GRADING & FORMING
	65 MM ASPHALT CONCRETE		M2	\$22.55	
86010	RAILROAD TRACKS W/ TIES AND BALLAST		M	\$879.00	45 KG RAIL, COMPLETE
87110	STORM SEWER				SEE CHART A
87210	FENCING AND WALLS				
	CHAIN LINK:				
	2.0 M HIGH		M	\$65.45	TYPE A (9 GA) INCLUDES 3 STRAND BARBED WIRE
	2.5 M HIGH		M	\$78.54	
	3.0 M HIGH		M	\$91.62	
	FENCE TOPPING:				
	BARRED TAPE		M	\$32.40	STAINLESS STEEL, MIL-B-52775 TYPE II
87250	ENTRANCE GATES				

APPENDIX A - FACILITY UNIT COST TABLE
PART II - SUPPORT FACILITIES AND ITEMS
(09 Jan 04)

CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
	CHAIN LINK				2.5 M HIGH - 9 GA
	1.25 M WIDE		EA	\$316.00	
	3.5 M SINGLE		EA	\$863.00	FOR MOTOR OPERATED (SWING) ADD \$3,150
	7.5 M PAIR		EA	\$1,509.00	FOR MOTOR OPERATED (SWING) ADD \$3,150
	11.0 M PAIR		EA	\$2,077.00	FOR MOTOR OPERATED (SLIDE) ADD \$4,410
88110	WATER SPRINKLER SYSTEMS (186 M2, PROTECTED AREA ONLY, INCL GATE VALVE)				
	WET PIPE		M2	\$44.00	PROTECTED AREA ONLY
	DRY PIPE		M2	\$49.39	PROTECTED AREA ONLY
	DELUGE		M2	\$66.56	PROTECTED AREA ONLY, EXCLUDES DELUGE VALVE, PUMPING ELEVATED WATER STG, & EXTERIOR PIPING
	DRAFT CURTAINS		M2	\$107.40	CURTAIN AREA SUPPORTED BY EXISTING TRUSSES (HANGERS)
89240	FIRE HYDRANTS, 125 mm VALVE		EA	\$2,109.00	2 M DEEP, INCL EXCAVATION
93210	SITE CLEARING & GRADING				
	GRADING:				
	ROUGH		M2	\$5.49	OPEN AREA, AVG 600 MM C/F
	FINE		M2	\$1.55	3 PASSES WITH ROLLER
	SITE CLEARING & GRUBBING		HA	\$9,996.00	MEDIUM DENSE AREAS
	BORROW		M3	\$19.57	UNCLASSIFIED, 8 KM HAUL
93220	LANDSCAPE AND PLANTING				
	TOPSOIL:				
	HAUL & SPREAD		M3	\$27.18	
	STRIP/STOCKPILE		M2	\$1.91	150 MM DEEP
	MULCHING:				
	WOOD CHIPS		M2	\$3.10	50 MM DEEP
	GRASS:				
	SEEDING		M2	\$0.95	HYD W/ FERTILIZER
	SODDING		M2	\$8.11	25 MM DEEP BLUE GRASS
93310	DEMOLITION W/ DISPOSAL				
	BUILDING: 930 M2, 3M CEILING HGT, 40 KM HAUL:				
	CONCRETE		M2	\$49.39	
	STEEL FRAME		M2	\$44.02	
	MASONRY OR WOOD		M2	\$37.58	
	BUILDING INTERIOR		M2	\$73.00	GUTTING INTERIOR
	LEAD PAINT REMOVAL/DISPOSAL		M2	\$107.40	WALL SURFACE AREA
(ASBESTOS REMOVAL/DISPOSAL NOT INCLUDED. COST ESTIMATE FOR THIS WORK ITEM SHOULD BE BASED ON SITE SURVEY/EVALUATION AND LOCAL EXPERIENCE, AND SEPARATELY IDENTIFIED)					
	PAVEMENT:		M2	\$17.89	150 MM CONCRETE

**APPENDIX A - FACILITY UNIT COST TABLE
PART II - SUPPORT FACILITIES AND ITEMS
(09 Jan 04)**

CATEGORY CODE	ITEM	QUANTITY	UNIT	UNIT COST \$/UNIT	REMARK
	POP-UP BOLLARD SYSTEM		EA	\$51,860.00	K12/L2 RATED, HYDRAULIC, REMOTE CONTROL PANEL, 35" HIGH, 15.25" DIA, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 50 MPH, ADD \$10,000 FOR EACH ADDL BOLLARD UP TO FIVE ADDL
	POP-UP BOLLARD SYSTEM		EA	\$49,870.00	HYDRAULIC, SET OF THREE BOLLARDS, 8.63" DIA, 24" HIGH, REMOTE CONTROL PANEL, ADD \$5,000 FOR EACH ADDL BOLLARD UP TO SEVEN ADDL
	POP-UP BOLLARD SYSTEM		EA	\$64,830.00	K4/L2 RATED, HYDRAULIC, SET OF THREE BOLLARDS, 13.25" DIA, 35" HIGH, REMOTE CONTROL PANEL, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 30 MPH
	POP-UP BOLLARD SYSTEM		EA	\$59,840.00	K8/L2 RATED, HYDRAULIC, SET OF THREE BOLLARDS, 12.25" DIA, 35" HIGH, REMOTE CONTROL PANEL, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 40 MPH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$4,987.00	K4/L2 RATED, COUNTER BALANCED MANUAL LIFT, 10.75" DIA, 30" HIGH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$3,990.00	24" HIGH, STOPS 10,000 LB VEHICLE AT 48 MPH AND STOPS 13,200 LB VEHICLE AT 38 MPH
	CRASH BEAM BARRICADE		EA	\$44,880.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH
	CRASH CABLE BEAM BARRICADE SWING GATE, MANUALLY OPERATED		EA	\$11,970.00	K4/L2 RATED, MANUAL HORIZONTAL SWING CRASH BEAM BARRIER, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPH
	CABLE BEAM BARRICADE, HYDRAULIC		EA	\$39,900.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPH
	CRASH BEAM BARRICADE, HYDRAULIC		EA	\$49,870.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 15,000 LB VEHICLE AT 30 MPH
	SLIDING LINEAR CRASH GATE		EA	\$61,840.00	K4/L2 RATED, 9' HIGH x 12' WIDE CLEAR OPENING GATE WITH GROUND TRACK, LINEAR GATE OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS, STOPS 15,000 LB VEHICLE AT 50 MPH
	MANUAL CRASH SWING GATE		EA	\$14,960.00	9' HIGH x 12' WIDE CLEAR OPENING GATE
	HYDRAULIC ROLLING CRASH GATE		EA	\$47,880.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATE LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GATE LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK AND PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS
	SLIDING CANTILEVER CRASH GATE		EA	\$52,860.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATE LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GATE LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK AND PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS. THIS GATE DOES NOT NEED TRACKS, WHEELS, OR ROLLER PATH.
	PASSIVE VEHICLE BARRIER, SURFACE MOUNTED SABRE TOOTH CONTROLLER		EA	\$598.00	SURFACE MOUNTED TIRE SPIKES, 3' WIDE, MANUALLY OPERATED

CHART A To Appendix A, Part II PIPING - SITEWORK UTILITIES

SIZE MM	UNIT	BLACK STEEL \$
25	M	39.30
50	M	56.90
75	M	70.40
100	M	87.00
150	M	107.00
250	M	233.00
300	M	332.80
450	M	439.10
600	M	748.40
900	M	
1500	M	

SIZE MM	UNIT	PVC \$
25	M	
50	M	20.60
75	M	30.80
100	M	40.90
150	M	61.50
250	M	79.80
300	M	100.50
450	M	
600	M	
900	M	
1500	M	

SIZE MM	UNIT	CORRUGATED \$
25	M	
50	M	
75	M	
100	M	
150	M	36.00
250	M	55.60
300	M	66.10
450	M	93.30
600	M	155.80
900	M	241.80
1500	M	651.80

SIZE MM	UNIT	HDPE \$
25	M	
50	M	
75	M	
100	M	43.20
150	M	62.50
250	M	84.10
300	M	158.10
450	M	257.90
600	M	
900	M	
1500	M	

SIZE MM	UNIT	DUCTILE IRON \$
25	M	
50	M	
75	M	
100	M	66.10
150	M	75.30
250	M	132.50
300	M	168.20
450	M	295.50
600	M	397.60
900	M	
1500	M	

SIZE MM	UNIT	CONCRETE	
		PLAIN \$	REINF. \$
25	M		
50	M		
75	M		
100	M		
150	M	49.10	
250	M	57.30	
300	M	63.50	82.10
450	M	100.80	116.20
600	M	116.20	150.90
900	M		383.50
1500	M		598.80

SIZE MM	UNIT	REINF. PLASTIC \$
25	M	
50	M	
75	M	34.00
100	M	61.20
150	M	74.90
250	M	170.20
300	M	208.40
450	M	
600	M	
900	M	
1500	M	

SIZE MM	UNIT	VITRIFIED CLAY	
		STANDARD STRENGTH \$	EXTRA STRENGTH \$
25	M		
50	M		
75	M		
100	M	24.50	28.10
150	M	34.00	37.60
250	M	60.20	69.70
300	M	71.70	79.20
450	M	156.10	190.10
600	M	318.10	380.20
900	M	649.60	722.90

CHART A To Appendix A, Part II PIPING - SITEWORK UTILITIES

NOTES:

1. Black Steel, schedule 40, welded.
2. Corrugated metal piping, galvanized 16 gage up to 450mm, 14 gage for 600mm, 12 gage up to 1500mm.
3. Ductile iron, cement lined, class 50 water pipe, 5.5m in length, and mechanical joint.
4. Reinforced Plastic, fiberglass reinforced, plain end pipe.
5. PVC, schedule 40, Class 150 pipe.
6. Cost includes furnishing and installing pipe only. Trenching, bedding, backfill and compaction must be added to these costs.
7. For cathodic protection (if required), add 14% of total piping cost.

CHART B

SOLAR ENERGY SYSTEM COST ESTIMATING

BUILDING AREA * (M2)		SOLAR SYSTEM COST (\$)
-----		-----
UP TO	1395.00	\$50.50 per m2. ** plus \$35,000.00
1396	4645.00	\$35.00 per m2. ** plus \$51,000.00
4646	AND LARGER	\$17.5 per m2 ** plus \$140,000.00

* Include only heated and/or cooled portions of facilities.

**Resulting dollar figure rounded up to next thousand dollar figure.

CHART C
METRIC/ENGLISH SYSTEMS

QUANTITY FROM		MULTIPLY BY	TO OBTAIN	
LENGTH	inch	25.40000	millimeter	
	foot	0.304800	meter	
	yard	0.914400	meter	
	mile (U.S. Status)	1.609344	kilometer	
	millimeter	0.039370	inch	
	meter	3.280840	foot	
	meter	1.093613	yard	
	kilometer	0.621370	mile	
AREA	square inch	645.160300	square millimeter	
	square foot	0.092903	square meter	
	square yard	0.836127	square meter	
	square mile	2.589998	square kilometer	
	acre	4046.873000	square meter	
	acre	0.404687	hectare	
	square millimeter	0.001550	square inch	
	square meter	10.763910	square foot	
	square meter	1.195990	square yard	
	square kilometer	0.386101	square mile	
	square meter	0.000247	acre	
	hectare	2.471044	acre	
	VOLUME	cubic inch	16387.060000	cubic millimeter
cubic foot		0.028316	cubic meter	
cubic yard		0.764555	cubic meter	
gallon (U.S. liquid)		3.785412	liter	
quart (U.S. liquid)		0.946353	liter	
* barrel (U.S. liquid)		0.158982	liter	
cubic millimeter		0.000061	cubic inch	
cubic meter		35.314662	cubic foot	
cubic meter		1.307951	cubic yard	
liter		0.264172	gallon	
liter		1.056688	quart	
cubic meter		6.290021	barrel	
MASS		ounce (avoirdupois)	28.349520	gram
		pound (avoirdupois)	0.453592	kilogram
	short ton	907.185000	kilogram	
	gram	0.035273	ounce	
	kilogram	2.204622	pound	
	kilogram	0.001102	short ton	
ENERGY, HEAT				
AND WORK	kilowatthour	3.600000	megajoule	
	btu	1.055056	kilojoule	
	horsepower hour	2.684520	megajoule	
	Megabtu/hr (Mbtu/hr)	293.071100	kilowatt	
	megajoule	0.277780	kilowatthour	
	kilojoule	0.947817	btu	
	megajoule	0.372506	horsepower hour	
	kilowatt	0.003413	Megabtu/hr	

CHART C
METRIC/ENGLISH SYSTEMS

<u>QUANTITY FROM</u>	<u>MULTIPLY BY</u>	<u>TO OBTAIN</u>
POWER ton (refrigeration)	3.517000	kw
kw	1.000000	kw
hp (electric)	0.745690	Kw
kw	0.284333	ton (refrigeration)
kw	1.000000	Kw (electric)
Kw	1.341020	hp (electric)
CAPACITY gpm (gallon per minute)	0.630910	lps (liter per second)
lps	15.85	gpm
* one barrel = 42 U. S. Gallons		

APPENDIX C (TM 5-800-4)
TRI-SERVICE MILITARY CONSTRUCTION PROGRAM (MCP) INDEX
FOR FY 2005 THRU FY 2010 PROGRAMS

<u>DATES</u>	<u>INDEX</u>	<u>ESCALATION PERSENTAGE FOR FISCAL YEAR</u>
		1.7%
1-Oct- 2002	2174	-----
1-Jan- 2003	2183	
1-Apr- 2003	2191	FY 03
1-Jul- 2003	2199	1.5%
1-Oct- 2003	2207	-----
1-Jan- 2004	2215	
1-Apr- 2004	2222	FY 04
1-Jul- 2004	2229	1.3%
1-Oct- 2004	2236	-----
1-Jan- 2005	2245	
1-Apr- 2005	2253	FY 05
1-Jul- 2005	2262	1.5%
1-Oct- 2005	2270	-----
1-Jan- 2006	2280	
1-Apr- 2006	2290	FY 06
1-Jul- 2006	2300	1.7%
1-Oct- 2006	2309	-----
1-Jan- 2007	2320	
1-Apr- 2007	2331	FY 07
1-Jul- 2007	2342	1.9%
1-Oct- 2007	2353	-----
1-Jan- 2008	2365	
1-Apr- 2008	2377	FY 08
1-Jul- 2008	2389	2.0%
1-Oct- 2008	2400	-----
1-Jan- 2009	2412	
1-Apr- 2009	2424	FY 09
1-Jul- 2009	2436	2.0%
1-Oct- 2009	2448	-----
1-Jan- 2010	2461	
1-Apr- 2010	2473	FY 10
1-Jul- 2010	2485	2.0%
1-Oct- 2010	2497	-----

Notes

1. Use 2.0% per fiscal year for projection beyond FY 2010
2. Tri - Service MCP Index (1,000) = 1 October 1979 ENR Historical Building Cost Index (1,900)
3. The MCP indexes were derived based upon the Inflation Rates (DoD Index, OMB Policy Rates) in Percentages published in PBD dated 24 December 2003 by the Under Secretary of Defense (Comptroller).
4. This revised index table supersedes the index table published on 3 March 2003

TABLE I - SIZE ADJUSTMENT FACTORS

PART I - BUILDING (OTHER THAN FAMILY HOUSING)

<u>SIZE RATIO</u>	<u>ADJUST FACTOR</u>						
< 0.05	1.2750	0.9000	1.0110	1.8000	0.9490	2.7000	0.9250
0.0500	1.2750	0.9500	1.0050	1.8500	0.9470	2.7500	0.9240
0.1000	1.2690	1.0000	1.0000	1.9000	0.9450	2.8000	0.9240
0.1500	1.2320	1.0500	0.9950	1.9500	0.9430	2.8500	0.9230
0.2000	1.2020	1.1000	0.9900	2.0000	0.9420	2.9000	0.9220
0.2500	1.1750	1.1500	0.9860	2.0500	0.9400	2.9500	0.9210
0.3000	1.1520	1.2000	0.9820	2.1000	0.9390	3.0000	0.9210
0.3500	1.1320	1.2500	0.9780	2.1500	0.9370	3.0500	0.9200
0.4000	1.1140	1.3000	0.9740	2.2000	0.9360	>3.05	0.9200
0.4500	1.0980	1.3500	0.9710	2.2500	0.9350		
0.5000	1.0840	1.4000	0.9680	2.3000	0.9330		
0.5500	1.0720	1.4500	0.9650	2.3500	0.9320		
0.6000	1.0600	1.5000	0.9620	2.4000	0.9310		
0.6500	1.0500	1.5500	0.9600	2.4500	0.9300		
0.7000	1.0410	1.6000	0.9570	2.5000	0.9290		
0.7500	1.0330	1.6500	0.9550	2.5500	0.9280		
0.8000	1.0250	1.7000	0.9530	2.6000	0.9270		
0.8500	1.0180	1.7500	0.9510	2.6500	0.9260		

NOTE: Size ratio is determined by dividing the proposed building size by the average size shown in Part I of Appendix A. To determine the size adjustment factor, use the closest size ratio from above table.

PART II - FAMILY HOUSING

<u>PROJECT SIZE (NO. OF UNITS)</u>	<u>FACTOR</u>
1 - 9	1.25
10 - 19	1.15
20 - 49	1.10
50 - 99	1.04
100 - 199	1.00
200 - 299	0.93
300 & Over	0.90