UNIT COSTS for The ARMY FACILITIES - MILITARY CONSTRUCTION PROGRAM PAX NEWSLETTER 3.2.2, Revised 15 May 2007

APPENDIX - A, PART - I & II (Buildings and Support Facilities)

This updated newsletter supersedes the PAX Newsletter No. 3.2.2, **30 March 2006**, and updates the Appendix A, Facility Unit Cost Table, Appendix C, Tri-Service Military Construction Program (MCP) Index, Table 1, and the 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 the preparation and/or review of the Army military construction cost estimates for programming and budgeting purposes for FY **2009/2010** and beyond unless otherwise noted. This newsletter is also published and maintained on the web page at http://www.hg.usace.army.mil/cemp/e/ec/ec_new.htm

1. APPENDIX A - FACILITY UNIT COST TABLE (FOR FY09 and later MILCON, BRAC, GTF (Grow The Force) Projects)

a. Most unit costs are based on historical construction award data from FY2003 to 2006 projects, with a few exceptions. If awarded project data were not available or a very limited number of projects awarded during FY03-06 for a category code, historical data were adjusted as follows: old data were normalized from 7 to 3 bidders to reflect what is being experienced in the current bidding climate, actual construction inflation rate were incorporated thru Oct 2006, and then escalated to the assumed mid-point of construction of October 2009 using the OSD escalation rates (Reference Appendix-C). The unit cost database include only new construction projects, and does not include data from renovation or addition/alteration projects. The unit cost and the reference building size for the same facility type is identical in both the PAX Newsletter and DoD Pricing Guide, UFC 3-701-07.

b. 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, dated 11 Apr 2006. The five (5) digit category code is designated by adding XX behind the three (3) digit main category code for this group where unit costs span a group of subcategories or cat code is still not officially established. For example, 851XX and 852XX are designated for roads, streets, parking, apron and sidewalks pavements.

c. Escalation - Unit costs are escalated to 1 October 2009, the assumed midpoint of construction for FY09 projects, with an area cost factor (ACF) of 1.00. The MCP inflation indices shown in Appendix C should be used to escalate the FY09 unit costs beyond 1 Oct 09. These unit costs include installed (built-in) building equipment and furnishings normally funded by the MILCON funds as described in AR 415-15, contractor's markup cost for overhead & profit, but do not include allowances for construction contingencies and supervision, inspection, and overhead (SIOH), or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions. Unit costs for DoD medical facilities include category A and B equipment, but do not include category E and F equipment costs.

d. The unit costs for Primary Facilities (buildings) in Appendix A, Part I, are for the primary facilities gross areas only, and do not include costs for support facilities, equipment acquired with other fund (non-MILCON) sources, anti-terrorism/force protection, sustainable construction features, or construction cost growth resulting from unforeseen site conditions or user requested change orders. For medical facilities, the building costs include Categories A and B equipment, but exclude Categories E and F equipment.

e. Unit costs 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.

f. Size Adjustment Tables, Table -1: Building size identified in Part I of Appendix A is a reference size, and may not represent the standard size shown in the Army Standard Facilities design criteria. Table I, Size Adjustment Factors, shows a correlation between project size and construction cost, and is used to determine an appropriate size adjustment factor for the proposed facility.

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g. Chart A in Appendix A contains unit costs for Site work 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

Unit costs are escalated to 1 Oct 2009, the assumed midpoint of construction for a typical FY09 MCA project at a location with an Area Cost Factor of 1. The Military Construction Program (MCP) cost index for 1 October 2009 is 2457. For a project with an anticipated midpoint of construction date other than 1 October 2009 a cost escalation factor can be determined from this appendix as follows:

Project Anticipated Midpoint Date - 1 January 2010 (MCP Index = 2522) Cost Escalation Factor = MCP Index 1 Jan 2010 / MCP Index 1 Oct 2009 = 2522/2457 = 1.0264

3. The Point of Contacts for this Newsletter letter at HQUSACE can be reached at (202) 761-7503, DSN-763-7503, or (202) 761-5887, DSN 763-5887.

Unit Costs for Army Facilities
PAX Newsletter 3.2.2 (English), dated 30 Apr 07

already inco	ed on programmatic targets for MILCON Transforma rporated for the facilities with Cat. Codes 14182, 14 "BOLD" Format. The Unit Costs below do Not inclu				Facilities listed In the DOD Pricing Guide, UFC 3-701-07 are ng/Energy Policy Act of 2005 compliance.
CATEGORY CODE	FACILITY TYPE	REFERENCE SIZE	<u>UNIT</u>	UNIT COST(U/C) <u>\$/Unit</u>	REMARK
111XX	AIRFIELD RUNWAYS				SEE CATCODE 851XX
112XX	AIRFIELD ROIWATS				SEE CATCODE 851XX
113XX	AIRFIELD APRONS				SEE CATCODE 851XX
116XX	AIRFIELD MISC. PAVING				SEE CATCODE 851XX
		1,000	GA	\$5.40	
		5,000	GA	\$5.20	
124XX	FUEL STORAGE (OPERATING)	10,000	GA	\$4.90	UNDERGROUND STORAGE - INCLUDES EXCAVATION, BACKFILL & MANHOLE, EXCLUDES EXTERIOR PIPING &
124707		20,000	GA	\$4.80	PUMPING
		30,000	GA	\$4.55	
13120	COMMUNICATIONS CENTER	6,000	SF	\$271.00	NO SHIELDING
FAC 1312	SATELLITE COMMUNICATIONS CENTER	6,000	SF	\$699.00	W/ SHIELDING & GENERATOR
13131	INFORMATION PROCESSING CTR (Also referred to as DATA PROCESSING CTR)	21,000	SF	\$251.00	AUTOMATIC DATA PROCESSING FACILITY W/ RAISED FLOO ADMIN & STORAGE AREAS
10010		4 500	05	¢997.00	
13310 14110	FLIGHT CONTROL TOWER	4,500	SF	\$887.00	STAND ALONE FLIGHT OPERATIONS, AIRFIELD HQ FUNCTIONS W/O TOWE
14110	AIRFIELD OPERATIONS BLDG	10,000	SF	\$319.00	FLIGHT OFERATIONS, AIRFIELD AQ FONCTIONS W/O TOWE
14112	AVIATION UNIT OPS BLDG	12,000	SF	\$196.00	AVN UNIT HQ (ADMINISTRATIVE) & SUPPLY STORAGE
14113	ACCESS CONTROL FAC	280	SF	\$315.00	SENTRY STATION (THIS CATCODE INDICATES A BUILDING, AND NOT JUST AN OPEN SIDED SHELTER)
14114	CIDC FIELD OPERATIONS BLDG	9,400	SF	\$183.00	
14129	TRAINING AIDS CENTER	800	SF	\$151.00	
14132	READY BUILDING/ADACG FAC	20,000	SF	\$210.00	ARRIVAL & DEPARTURE AIRFIELD CONTROL GROUP FACILITIES
14162	SCIF FACILITY	25,000	SF	\$255.00	
14165	FUELING/POL SUPPORT BLDG	195	SF	\$266.00	HOUSES PUMPING EQUIPMENT. ADD PUMPS, ADD STORAGE TANKS (SEE CATCODE 124XX) AND PAVING (SEE CATCODE 851X
141XX	COMMAND & CONTROL FACILITY (C2F)	135,830	SF	\$220.00	
	ADMINISTRATIVE AREAS	115,610	SF	\$213.00	A NEW CAT CODE FOR THE C2F STANDARD DESIGN HAS NOT BEEN APPROVED AS OF THE PAX PUBLICATION DATE. THE COS
	NETWORK/EMERGENCY OPERATIONS CTR	10,470	SF	\$261.00	OF RAISED FLOORING, REDUNDANT ELECT/MECH SYSTEM, AND
	SCIF AREAS	9,750	SF	\$255.00	SECURITY ACCESS SYSTEM IS INCLUDED IN THE U/C.
14179	OVERHEAD PROTECTION FOR COMPANY OPS FACILITY	9,000	SF	\$43.00	PRE-ENGINEER CANOPY W/ LIGHTING, POWER & LIGHTNING PROTECTION FOR A TYPICAL CO OPS FACILITY (CAT CODE 1418 EQUIPMENT LAYOUT AREA. THE COST OF HARDSTAND IS NOT INCLUDED IN THE U/C, AND SHOULD BE PRICED IN THE SUPPOR FACILITIES PAVEMENTS.
14182	BRIGADE HQS BLD (NEW STD DES)	40,300	SF	\$179.00	
14183	BATTALION HQS BLDG W/ CLASSROOMS	17,800	SF	\$164.00	
14185	COMPANY OPERATIONS FACILITY (COF)	VARIES			AREA FOR THE ADMIN & READINESS MODULES WILL BE LISTED & ESTIMATED SEPARATELY IN DD1391 AND ENG3086. THE U/C FOR ADMIN & READINESS MODULES WILL NOT EXCEED THE AMOUNT SHOWN BELOW. FOR COVERED OVERHEAD PROTECTION, SEE CAT CODE 14179 ABOVE.
	ADMINISTRATIVE MODULE	15,000	SF	\$164.00	
	READINESS MODULE (RM)	42,000	SF	\$127.00	15,000 SF REFERENCE SIZE REFLECTS THE AREA OF A TYPICAL COMPANY (CO) ADMIN MODULE. 42,000 SF REPRESENTS THE AREA OF A TYPICAL 4-CO (2 SM CO @ 150/CO SOLDIERS & 2-MEU CO @ 200/CO SOLDIERS) READINESS MODULE (RM). RM AREA PROVIDES FULLY CONDITIONED & SPRINKLED STORAGE SPACE FOR TA-SO LOCKERS AS WELL AS ARMS VAULT. THE COST FOR CONTRACTOR FURNISHED & INSTALLED LOCKERS IS INCLUDED THE U/C.
14955	WASH PLATFORM, ORG	1	EA	\$80,632.00	2 VEHICLES - LOW PRESSURE W/ WASHWATER TREATMEN
14960	GREASE RACK	1	EA	\$62,832.00	2 VEHICLES
14962	CENTRALIZED WASH FAC	1	EA	\$7,846,248.00	16 STATIONS WITH WASHWATER RECYCLING
17112	FLIGHT SIMULATOR BLDG	32,000	SF	\$177.00	BUILDING ONLY
17119	ORGANIZATIONAL CLASSROOM	32,000	SF	\$161.00	CAN BE STAND ALONE OR LOCATED WITHIN BATTALION HC BLD, TRAINEE BARRACKS, ETC.

Unit Costs for Army Facilities
PAX Newsletter 3.2.2 (English), Revised 15 May 2007

APPENDIX A - FACILITY UNIT COST TABLE (Part - I, Buildings and Major Facilities) NOTE: Based on programmatic targets for MILCON Transformation (MT), a 15% reduction in the unit costs from the 2007 DoD Facilities Pricing Guidance costs have been already incorporated for the facilities with Cat. Codes 14182, 14183, 14185, 72111 & 72210 (HIGHLIGHTED). Facilities listed In the DOD Pricing Guide, UFC 3-701-07 are indicated in "BOLD" Format. The Unit Costs below do Not include costs for the AT/FP and Sustainable Rating/Energy Policy Act of 2005 compliance.

CATEGORY		REFERENCE		UNIT COST(U/C)	
CODE	FACILITY TYPE	SIZE	UNIT	<u>\$/Unit</u>	REMARK
17120	GENERAL INSTRUCTION BLDG	25,000	SF	\$216.00	DISTINCT FROM ORGANIZATIONAL CLASSROOMS
171XX	GENERAL INSTRUCTION BLDG - RANGE	8,000	SF	\$198.00	A NEW CAT CODE PENDING
17121	INDOOR FIRING RANGE	23,000	SF	\$204.00	
17122	RANGE OPERATIONS & STORAGE BLDG	8,000	SF	\$152.00	
17123	RANGE SUPPORT BLDG - AAR BLDG	2,600	SF	\$121.00	
	FIELD RANGE LATRINES	200	SF	\$315.00	USE CAT CODE 73075 FOR THIS FACILITY
17131	COMPACT ITEM REPAIR INST BLDG	6,000	SF	\$153.00	
17132	GEN ITEM REPAIR INST BLDG	25,000	SF	\$143.00	
17133	VEHICLE MAINTENANCE INST BLDG	30,000	SF	\$198.00	
17134	AIRCRAFT MAINTENANCE INST BLDG	35,000	SF	\$238.00	HIGH BAY BUILDING
17135	LABORATORY INST BLDG	9,000	SF	\$242.00	
17136	AUTO-AIDED INSTRUCTION BLDG	25,000	SF	\$246.00	
17137	MATERIAL HANDLING INST BLDG	40,000	SF	\$117.00	
17139	COVERED MESS	8,000	SF	\$79.00	
17139	COVERED MESS	8,000	5	\$19.00	FOR OTHER RESERVE FACILITIES USE UNIT COST FROM
17140	ARMY RESERVE CENTER BLD	20,000	SF	\$191.00	APPROPRIATE FACILITY TYPE
17141	ARMED FORCES RESERVE CENTER BLD	20,000	SF	\$191.00	NEW CAT CODE FOR RESERVE CTR
17142	ARMY NATIONAL GUARD/ARMORY	20,000	SF		THIS CAT CODE IS NO LONGER USED, WILL BE DELETED FROM DA PAM 428-15
17180	ARMY NATIONAL GUARD READINESS CTR	20,000		\$191.00	NEW CAT CODE FOR NG READINESS CTR
		-			
17971	OBSERVATION TOWER/BUNKER	800	SF	\$226.00	COST EXCLUDES EQUIPMENT
	AIRCRAFT MAINTENANCE. HANGARS				
	MAINTENANCE GEN PURPOSE	23,000	SF	\$225.00	
21110	HIGH BAY MAINTENANCE	35,000	SF	\$238.00	
	CORROSION CONTROL	35,000	SF	\$239.00	
21120	AIRCRAFT COMPONENT MAINTENANCE SHOP	20,000	SF	\$239.00	
21130	AIRCRAFT PAINT SHOP	70,000	SF	\$298.00	
21140	AIRCRAFT ENGINE TEST CELL FAC	13,000	SF	\$183.00	
21210	GUIDED MISSILE MAINTENANCE FAC	10,300	SF	\$204.00	
21410	VEHICLE MAINTENANCE SHOP - WHEELED	30,000	SF	\$198.00	
	VEHICLE MAINTENANCE SHOP - TRACK	25,000	SF	\$217.00	
	VEHICLE MAINT SHOP - NEW MT STANDARD	35,300	SF	\$198.00	COMBINED TRACKED & WHEELED FACILITY
21470	OIL STORAGE BLDG	700	SF	\$113.00	
21610	AMMO RENOVATION SHOP	6,500	SF	\$167.00	
21612	AMMUNITION SURVEILLANCE	13,000	SF	\$189.00	
21630	AMMUNITION DEMIL. FACILITY	82,500	SF	\$1,043.00	CHEMICAL DEMILITARIZATION FAC
21710	ELECTRONICS MAINTENANCE. SHOP	5,500	SF	\$1,043.00	
21/10	LEGINOMICS MAINTENANCE. SHUP	3,500	or	φ143.00	
21740	AIRCRAFT AVIONICS MAINTENANCE SHOP	23,000	SF	\$196.00	
21740	BATTERY SHOP	5,000	SF	\$198.00	
			-		
21881		8,000	SF	\$231.00	
21885		31,000	SF	\$138.00	
21910	ENG/HOUSING MAINTENANCE SHOP	31,000	SF	\$138.00	
31010	CHEMISTRY LAB	9,000	SF	\$242.00	
31410	GROUND TRANS EQUIPMENT BLDG	31,000	SF	\$186.00	
		2,500	BL	\$91.00	
		5,000	BL	\$60.00	
		10,000	BL	\$44.00	
	LIQUID FUEL STORAGE - BULK	25,000	BL	\$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIK
	1	50,000	BL	\$24.00	AND EXTERIOR COATINGS (42 US GALS/BBL)
		100,000	BL	\$17.00	
411XX		100,000 250,000	BL BL	\$17.00 \$15.00	

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CATEGORY CODE	FACILITY TYPE	REFERENCE SIZE	<u>UNIT</u>	UNIT COST(U/C) <u>\$/Unit</u>	REMARK
		5,000	BL	\$60.00	
		10,000	BL	\$49.00	ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES
	LIQUID FUEL STORAGE - BULK	25,000	BL	\$38.00	FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOF
		50,000	BL	\$30.00	COATING
		100,000	BL	\$23.00	
		250,000	BL	\$19.00	
42180	IGLOO STORAGE W/ CRANE, DEPOT	5,000	SF	\$293.00	HIGH EXPLOSIVE MAGAZINE, WITH EARTH MOUNDING
42183	IGLOO STORAGE W/O CRANE, DEPOT	10.000	SF	\$281.00	GEN PURPOSE MAGAZINE
42280	IGLOO STORAGE, INSTALLATION	10,000	01	\$201.00	SEE CATCODE 42180
42283	GEN PURPOSE MAGAZINE, INSTALLATION	-			SEE CATCODE 42183
42203	COLD STORAGE WAREHOUSE				
	WAREHOUSE W/ PROCESSING	11,000	SF	\$140.00	
43211	WAREHOUSE W/ PROCESSING WAREHOUSE W/O PROCESSING	6,000	SF	\$140.00	
	GENERAL PURPOSE (G.P.) WAREHOUSE	6,000	3F	\$100.00	
	. ,	40.000	SF	\$101.00	16 FT STACK HEIGHT
44110		40,000	SF	\$101.00	UP TO 26 FT STACK HEIGHT
	HIGH BAY	100,000	ЪF	\$117.00	
44130	CONTROLLED HUMIDITY WHSE, DEPOT	40,000	SF	\$107.00	
44135	HAZARDOUS MATERIAL STORAGE	21,000	SF	\$154.00	
44150	FLAMMABLE MATERIAL STORAGE	8,200	SF	\$148.00	
		16,000	SF	\$53.00	OPEN SIDES
44181	VEHICLE STORAGE FACILITY	16,000	SF	\$73.00	ENCLOSED
44210	AC PARTS STORAGE BLDG	16,000	SF	\$90.00	
44220	G P STORAGE FACILITY, INST	10,000	01	400.00	SEE CATCODE 44110
44222	STORAGE SHED, COVERED	24,000	SF	\$43.00	OPEN SIDES
44224	DEPLOYMENT EQUIP STORAGE BLDG	3,400	SF	\$90.00	
44230	CONTROLLED HUMIDITY WHSE, INST	3,400	0	\$30.00	SEE CATCODE 44130
44240	FLAMMABLE MATERIAL STORAGE, INST				SEE CATCODE 44150
45110	OPEN STORAGE AREA, DEPOT				SEE CATCODE 851XX (PART -II)
45210	OPEN STORAGE AREA, INST				SEE CATCODE 851XX (PART -II)
10210					
54040			SF	\$350.00	STATION HOSPITAL
51010	MEDICAL CENTER/HOSPITAL			\$378.00	REGIONAL MEDICAL CTR
53060	MEDICAL WAREHOUSE	44,000	SF	\$107.00	
53071	AMBULANCE GARAGE	480	SF	\$84.00	
54010	DENTAL CLINIC	20,000	SF	\$332.00	
55010	MEDICAL CLINIC	50,000	SF	\$264.00	ALSO REFERRED AS HEALTH CLINIC
	AMBULATORY CLINIC	100,000	SF	\$308.00	
61050	ADMIN FACILITY GENERAL PURPOSE	25,000	SF	\$186.00	INCLUDES ADP CTR, AUDITORIUM, CAFETERIA, SECURITY. PRE-WIRED WORK STATION COST NOT INCLUDED
	PRE-WIRED WORK STATION		EA	\$6,217.00	INCLUDES INSTALLATION COST
62010	UNDERGROUND ADMIN FAC	6,000	SF	\$225.00	HARDENED FACILITY
711XX	FAMILY HOUSING W/SPRINKLERS OR FIRE	N/A	SF	\$112.00	CONUS \$/GROSS SF
	RATED CONSTRUCTION				INCLUDES POST AWARD DESIGN COST
	FAMILY HOUSING W/SPRINKLERS OR FIRE RATED CONSTRUCTION	N/A	SF	\$115.00	OCONUS \$/GROSS SF INCLUDES POST AWARD DESIGN COST
71410	DETACHED GARAGES	240	SF	\$53.00	SINGLE CAR/MASONRY
. 1710		240	51	\$43.00	SINGLE CAR/WOOD
71411	CARPORT	240	SF	\$34.00	OPEN SIDES
· · · · · · ·		240	51.	φ34.00	

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CATEGORY CODE	FACILITY TYPE	REFERENCE SIZE	<u>UNIT</u>	UNIT COST(U/C) <u>\$/Unit</u>	REMARK
72111	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING, ENLISTED)	99,500	SF	\$166.00	DOES NOT INCLUDE FREE STANDING EQUIPMENT. NOTE: ALL UNFINISHED OR FINISHED ATTIC AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM THE UNDERSIDE C THE STRUCTURAL SYSTEM AND AREAS WITH PERIMETER WALLS MEASURING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL SCOPE.
	SOLDIER COMMUNITY BLDG	14,620	SF	\$128.00	NO LONGER PROGRAMMED
72121	ADVANCED INDIVIDUAL TRAINING COMPLEX				A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TRAINEES, 300 EA, IN 4 BARRACK/CO OPS BLDS. @92,800 SF/ BLD, BN HOS, AND 1-BN DINING FACILITY. THE AREA FOR EACH FACILITY WITHIN TH COMPLEX WILL BE LISTED SEPARATELY IN DD1391 AND ENG3084 THE NORMALIZED U/C FOR EACH FACILITY TYPES WILL NOT BE EXCEED.
72121	BARRACKS/ COMPANY (CO) OPS BLD	371,220	SF	\$160.00	
14183	BATTALION (BN) HQS W/CLASSROOMS	13,285	SF	\$164.00	
14182	BRIGADE HEADQUARTERS, IF NEEDED	9,650	SF	\$179.00	
	DINING FACILITY - 1 BN, 1300 PN, 544 SEATS	33,760	SF	\$232.00	DINING FACILITY INCLUDES COVERED QUEUING AREA AT FULL
72210	DINING FACILITY - 2 BN, 2600 PN, 1088 SEATS	62,390	SF	\$223.00	SCOPE
72181	BASIC TRAINEE (BT) & ONE STATION UNIT TRAINING (BT/OSUT) COMPLEX				A TYPICAL BT/OSUT COMPLEX HOUSES APPROX. 1,200 TRAINEES (240 EA IN 5 OPEN BAY BARRACK/CO OPS BLDS. @64,680 SF/ BLD BN HQS, AND A 1-BN DINING FACILITY. LAWN EQUIPMENT STORAGE (2,000 SF), 1/4 MILE ATHLETIC TRACK (8 LANES), AND CENTRAL ENERGY PLANT, IF NEEDED, SHOULD ALSO BE PROGRAMMED FOR THE COMPLEX.
72101	BARRACKS/ COMPANY (CO) OPS BLD	323,400	SF	\$145.00	FULL SCOPED COVERED TRAINING AREAS UNDER BARRACK
	BATTALION (BN) HQS W/CLASSROOMS	23,335	SF	\$162.00	BUILDINGS ARE INCLUDED IN THE GSF. DINING FACILITY
	DINING FACILITY- 1 BN, 1300 PN, 544 SEATS	33,760	SF	\$255.00	INCLUDES COVERED QUEUING AREA AT FULL SCOPE. THE AREA FOR EACH FACILITY WITHIN THE COMPLEX WILL BE LISTED
	DINING FACILITY - 2 BN, 2600 PN, 1088 SEATS	62,390	SF	\$245.00	SEPARATELY IN DD1391 AND ENG3086. THE NORMALIZED U/C FC EACH FACILITY TYPES WILL NOT BE EXCEED.
72210	DINING FACILITY, 801-1300 PN, 624 SEATS MAX	26,500	SF	\$264.00	INCLUDES MCA FUNDED KITCHEN EQUIPMENT & INSTALLATION COSTS
72410	UNACCOMPANIED OFFICERS QUARTERS	44,000	SF	\$214.00	DOES NOT INCLUDE FREE-STANDING KITCHENETTE EQUIPMENT
72411	UNACCOMP. OFFICERS QTRS - TRANSIENT	44,000	SF	\$214.00	
73010	FIRE STATION, COMMUNITY	8,000	SF	\$245.00	
73016	POLICE/LAW ENFORCEMENT STATION	4,200	SF	\$184.00	
73017	CHAPEL	15,000	SF	\$302.00	
73018	RELIGIOUS EDUCATION FAC	15,000	SF	\$178.00	REPORT THIS SPACE SEPARATELY FROM THE WORSHIP SPACES
73019	FAMILY LIFE CENTER	5,000	SF	\$178.00	SPACE FOR FAMILY COUNSELING, PASTORAL EDUCATION, COMMUNITY BASED ACTIVITIES IN SUPPORT OF THE COMMAND RELIGIOUS PROGRAM
73046	DEPENDENT SCHOOLS				
	ELEMENTARY		SF	\$201.00	
			SF	\$203.00	
	HIGH SCHOOL		SF	\$214.00	
74010	AUDITORIUM, GEN PURPOSE	4,000	SF	\$169.00	
74011	BOWLING CENTER	7,800	SF	\$233.00	W/ EQUIP - 8 LANES (PIN SPOTTING EQUIP & AUTO. SCORING
74012	CAFETERIA	5,000	SF	\$208.00	
74014	CHILD DEVELOPMENT CENTER	25,000	SF		THIS CAT CODE IS NO LONGER USED, WILL BE DELETED FROM D
74016	CHILD DEVELOPMENT CTR-SCHOOL AGE	25,000	SF	231.00	PAM 428-15 NEW CAT CODE, DOES NOT INCLUDE PLAYGROUND
74017	CHILD DEVELOPMENT CTR - UNDER 6 YEAR	25,000	SF	243.00	DOES NOT INCLUDE FREE-STANDING FOOD SERVICE EQUIPMEN OR PLAYGROUND AREA AND EQUIPMENT. FOR OUTDOOR PLAY
74021	AGE COMMISSARY W/ OPERATIONAL EQUIPMENT	85,000	SF	\$196.00	AREA, SEE CATCODE 75018
74022	SKILL DEVELOPMENT CENTER	22,000	SF SF	\$145.00	NON-AUTOMOTIVE CRAFTS/GENERAL SKILL
74023		3,000	SF SF	\$165.00	INCLUDES VAULT AUTOMOTIVE CRAFTS
74024 74025	SKILL DEVELOPMENT CENTER EDUCATION CENTER	15,000 30,000	SF SF	\$138.00 \$239.00	
		- 30 000	55	b/3910	ARMY CONTINUING EDUCATION SYSTEM FACILITY

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APPENDIX A - FACILITY UNIT COST TABLE (Part - I, Buildings and Major Facilities) NOTE: Based on programmatic targets for MILCON Transformation (MT), a 15% reduction in the unit costs from the 2007 DoD Facilities Pricing Guidance costs have been already incorporated for the facilities with Cat. Codes 14182, 14183, 14185, 72111 & 72210 (HIGHLIGHTED). Facilities listed In the DOD Pricing Guide, UFC 3-701-07 are indicated in "BOLD" Format. The Unit Costs below do Not include costs for the AT/FP and Sustainable Rating/Energy Policy Act of 2005 compliance.

CATEGORY CODE	FACILITY TYPE	REFERENCE SIZE	<u>UNIT</u>	UNIT COST(U/C) <u>\$/Unit</u>	REMARK
74030	SPORT PRO SHOP	28,000	SF	\$170.00	INCLUDES SNACK BAR, PRO SHOP SALES AREAS
74032	GUEST HOUSE	30,000	SF	\$202.00	TEMPORARY LODGING FACILITIES
74033	COMMUNITY SERVICE CENTER	34,000	SF	\$221.00	FAMILY SERVICE CENTER
74041	MAIN LIBRARY	12,000	SF	\$234.00	
74047	NCO OPEN DINING / SERVICE CLUB	22,500	SF	\$317.00	ALSO REFERRED TO AS CONSOLIDATED OPEN DINING FAC
74048	OFFICER OPEN DINING	22,500	SF		SEE CATCODE 74047
74053	MAIN EXCHANGE	80,000	SF	\$159.00	W/ MALL SERVICE SHOPS
74056	EXCHANGE SERVICE OUTLET				SEE CATCODE 74053
74066	YOUTH CENTER	25,000	SF	\$231.00	
74068	RECREATION CENTER	20,000	SF	\$231.00	
74070	INDOOR ROLLER SKATING RINK	20,000	SF	\$129.00	
74072	INDOOR SWIMMING POOL	6,000	SF	\$203.00	25 METER NATATORIUM
74075	RECREATIONAL SUPPORT BUILDING	5,000	SF	\$90.00	ALSO RECREATIONAL EQUIP CHECKOUT
75018	PLAYGROUND, GEN PURPOSE				
	CHILD DEVELOPMENT CTR OUTDOOR PLAY A	REA:			
	60 CHILD CAPACITY	6,000	SF	\$39.00	
	99 CHILD CAPACITY	9,900	SF	\$31.00	•
	122 CHILD CAPACITY	12,200	SF	\$27.00	•
	145 CHILD CAPACITY	14,500	SF	\$23.00	COST OF PLAY AREA INCLUDES FENCE, EQUIPMENT, AND
	198 CHILD CAPACITY	19,800	SF	\$20.00	SHED
	244 CHILD CAPACITY	24,400	SF	\$18.00	•
	303 CHILD CAPACITY	30,300	SF	\$16.00	
75022	MULTI-PURPOSE ATHLETICS FIELD	1	EA	\$192,690.00	TURFED AREA EXCLUDES SITE PREP & ELECTRICAL LIGHTING
75030	OUTDOOR SWIMMING POOL	13,000	SF	\$109.00	50 METER WITH CHANGE HOUSE
891XX	PLANT/UTILITIES BLDG		SF	\$167.00	NO PLANT EQUIPMENT
	NO CATEGORY CODE IS AVAILABLE FOR FOLL	OWING ITEMS:			
	FOUNDATIONS, UNUSUAL			1	
	PILING, TREATED WOOD, 50' L, 12" BUTT	1	LF	\$33.00	
	PILING, CONCRETE 14" SQUARE		LF	\$50.00	
	PILING, CONCRETE 16" SQUARE		LF	\$53.00	
	PILING, CONCRETE 18" DIAMETER		LF	\$60.00	
	PILING, STEEL H, 50' LONG, HP12X53		LF	\$41.00	
	PILING, STEEL PIPE 12"D, CONC. FILLED	1	LF	\$50.00	

CATEGORY					
	ITEM	<u>QUANTITY</u>	<u>UNIT</u>	UNIT COST <u>\$/UNIT</u>	<u>REMARK</u>
81150	UNINTERRUPTIBLE POWER SUPPLY (UPS)		KW	\$4,797.00	UTILITY SYSTEM TO ENSURE CONTINUOUS ELECTRIC PWR SUPPLY DURING OUTAGES AND INCLUDES ELECTRIC SYSTEM COMPONENTS (RECTIFIER, CHARGER, BATTERY, INVERTER, ETC)
81160	STANDBY GENERATOR	75	KW	\$523.00	
		125	KW	\$375.00	UTILITY SYSTEM TO ENSURE CONTINUOUS ELECTRIC PWR SUPPLY DURING OUTAGES. COST INCLUDES ELECTRIC
		200	KW	\$299.00	SYSTEM COMPONENTS SUCH AS RECTIFIER, CHARGER, BATTERY, INVERTER, TRANSFER SWITCH ETC)
		300	KW	\$255.00	BATTERT, INVERTER, TRANSFER SWITCHETC)
89111	POWER PLANT BUILDING		SF	\$167.00	STAND ALONE BUILDING TO HOUSE EQUIPMENT AND STATIC SWITCHGEAR NECESSARY TO GENERATE ELECTRIC POWER
81230	EXTERIOR LIGHTING w/ UNDER GROUND DISTRIBUTION		LF	\$32.00	BASED ON WOOD POLE, 1" PVC DIRECT BURIAL CONDUIT, WITH 3' DEEP EXCAVATION, #10 WIRE AND 500 WATT MV LAMINAR FIXTURE
81241	OVERHEAD ELECTRIC LINES				
	MEDIUM TO HEAVY DISTRIBUTION LINES		MI	\$109,800.00	LINES, WOOD POLE, 3 PH, 4 WIRE
	OVERHEAD W/ WOOD POLES		LF	\$25 - 30.00	BASED ON POLE SPACING 250', WITH 15 KV MAX, 3 PHASE, 4 WIRE
81242	UNDERGRD ELECTRIC LINES				
	DIRECT BURIAL:				COSTS INCL TRENCH, SAND BASE, BACKFILL AND MARKER
	# 1/0		LF	\$18.00	
	# 4/0		LF	\$29.00	3/C - 600V DB
	UG DUCTS:				
	1-WAY-4"		LF	\$23.00	
	2-WAY-4"		LF	\$27.00	TYPE EB, PVC, CONCRETE ENCASED 3" EACH
	4-WAY-4"		LF	\$34.00	WAY, INCLUDES EXCAVATION AND BACKFILL TO 3 FEET DEEP
	6-WAY-6"		LF	\$51.00	
81320	SUBSTATION, LOAD UNINTER. SWITCH 600 AMP		KVA	\$74.00	300 KVA & BELOW W/CLF FUSES. DOES NOT INCL BUILDING (89113)
81360	TRANSFORMERS				PRIMARY DELTA OR Y,277/480 V SECONDARY
	150 KVA		EA	\$12,360.00	······
	500 KVA		EA	\$18,490.00	
	1,000 KVA		EA	\$33,390.00	OIL-FILLED, PAD MOUNTED, 3-PHASE
	2,000 KVA		EA	\$49,130.00	
82110	HEAT PLANT COAL-FIRED				
	STEAM:				
	50 MBTU/H (MILLION BTU/H)		EA	\$4,037,900.00	UTILITY SYSTEM THAT GENERATE HEAT FROM
	100 MBTU/H		EA	\$7,404,620.00	COAL AND INCLUDES FURNACE, BOILERS, WATER
	150 MBTU/H		EA	\$10,551,910.00	SUPPLY, PUMPS, PIPELINES, & FUEL & ASH HANDLING FACILITIES.
	200 MBTU/H		EA	\$13,518,580.00	
	HITEMP WATER:		- ^	¢0.050.400.00	
	50 MBTU/H		EA	\$3,850,100.00	INCLUDES FURNACE, BOILERS, WATER SUPPLY, PUMPS, PIPELINES, & FUEL & ASH HANDLING
	100 MBTU/H 150 MBTU/H	+	EA EA	\$6,181,820.00 \$8,243,160.00	FACILITIES
	200 MBTU/H	+	EA	\$8,243,160.00	
82120	HEAT PLANT OIL-FIRED		CA	φ10,551,910.00	
02120	STEAM:				
	10 MBTU/H		EA	\$729,080.00	
	50 MBTU/H	+ +	EA	\$2,504,700.00	
	100 MBTU/H		EA	\$4,797,020.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILIT

CATEGORY				UNIT COST	
CODE	ITEM	QUANTITY	UNIT	\$/UNIT	REMARK
	150 MBTU/H		EA	\$6,959,080.00	
	200 MBTU/H		EA	\$8,429,270.00	
	HITEMP WATER:				
	10 MBTU/H		EA	\$659,010.00	
	50 MBTU/H		EA	\$2,326,270.00	
	100 MBTU/H		EA	\$4,340,540.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILITY
	150 MBTU/H		EA	\$6,181,820.00	
	200 MBTU/H		EA	\$8,039,550.00	
82210	STEAM CONDENSATE LINES - UNDERGROUND				STEAM SUPPLY & RETURN LINES, COST INCLUDES INSULATION, FITTINGS, ACCESSORIES, 3 FEET EXCAVATION, BACKFILL AND TESTING
	COMMON CONDUIT:				
	11-1/4"		LF	\$214.00	STM: 2", RET: 1-1/2"
	10"		LF	\$195.00	STM: 1-1/2", RET: 1-1/2"
	10"		LF	\$185.00	STM: 1-1/4", RET: 1"
	10"		LF	\$183.00	STM: 1", RET: 1"
	SINGLE CONDUIT:				STEAM OR HITEMP WATER, COST INCLUDES FITTINGS, ACCESSORIES, 3 FT EXCAVATION, BACKFILL AND TESTING
	6"		LF	\$117.00	1-1/4" PIPE
	8"		LF	\$126.00	1-1/2" PIPE
	8"		LF	\$128.00	2" PIPE
	10"		LF	\$154.00	2-1/2" PIPE
	10"		LF	\$165.00	3" PIPE
	11-1/8"		LF	\$199.00	4" PIPE
	15"		LF	\$228.00	6" PIPE
82220	HOT WATER LINES - HIGH TEMPERATURE				HOT WATER SUPPLY & RETURN LINES
	COMMON CONDUIT - UNDERGROUND				INCLUDES FITTINGS, ACCESSORIES, 3 FT EXCAVATION, BACKFILL & TESTING
	12"		LF	\$167.00	HW: 1", RET: 1"
	12-7/8"		LF	\$204.00	HW: 1-1/2", RET: 1-1/2"
	15"		LF	\$251.00	HW: 2", RET: 2"
	18"		LF	\$275.00	HW: 3", RET: 3"
	21"		LF	\$320.00	HW 4:, RET: 4"
82220	STEAM DISTRIBUTION MANHOLE, PREFAB STEEL, 8' X 6' HT		EA	\$16,860.00	VENT, MH VENT, NORMAL PIPING & INSTALLATION CONDUIT, INCL LADDER
82410	GAS PIPE LINES - HEATING GAS TRANSMISSIO	N			SEE CHART A
82610	AIR CONDITIONING/REFRIG PLANT				DOES NOT INCLUDE AIR-CONDITIONING/
	NEW BLDG		TON	\$3,318.00	REFRIGERATION PLANT, COST INCLUDES
	EXISTING BLDG		TON	\$4,641.00	EQUIPMENT, SUCH AS COMPRESSOR, CONDENSER, PUMPS, VALVES, ONLY
83140	INDUSTRIAL WASTE TREATMENT PLANT		EA	\$1,788,760.00	500,000 GPD , TREATMENT EQUIPMENT ONLY, DOES NOT INCLUDE A BUILDING TO HOUSE THE EQUIPMENT
83150	SEWAGE LIFT STATION		EA	\$206,050.00	1,000 GPM; EQUIPMENT ONLY, DOES NOT INCLUDE A BUILDING TO HOUSE THE EQUIPMENT
00040					
83210	SANITARY SEWER				SEE CHART A

CATEGORY CODE	ITEM	<u>QUANTITY</u>	<u>UNIT</u>		<u>REMARK</u>
83210	SANITARY SEWER MANHOLES:			<u>\$/UNIT</u>	
03210	ONNITARI DEWER WANNOLLO.				MANHOLE, 4 FT ID, INCLUDES FOOTING, EXCAVATION & BACKFILL, 24" DIA COVER & FRAM
	CONCRETE, CAST-IN-PLACE				
			VLF	\$558.00	
	OVER 8' DEEP		VLF	\$597.00	
	CONCRETE, PRECAST:			\$205.00	
			VLF	\$385.00	
	OVER 8' DEEP		VLF	\$423.00	
832XX	MISC:				
	CATCH BASINS		EA	\$2,565.00	4 FT DEEP
	CATCH BASINS		EA	\$2,976.00	6 FT DEEP
	CURB INLETS		EA	\$605.00	GUTTERMOUTH
83310	INCINERATOR		EA	\$48,910.00	200 LB PER HR PER UNIT (EQUIPMENT ONLY, BUILDING NOT INCLUDED)
84210	WATER DISTRIBUTION LINES				SEE CHART A
84472	WATER PUMP STATION, NONPOTABLE				
	500 GPM		EA	\$74,980.00	
	1,000 GPM		EA	\$99,530.00	EQUIPMENT ONLY, INCLUDES PUMPS, VALVES, AUTO CONTROLS, FILLINGS & ACCESSORIES,
	2,000 GPM		EA	\$111,920.00	COMPLETE W/ INSTALLATION COSTS, DOES NOT
	2,500 GPM		EA	\$115,230.00	INCLUDE A BUILDING TO HOUSE THE EQUIPMEN
84610	WATER STORAGE TANK				
	ELEVATED WATER STG TANK				
	50,000 GA		EA	\$373,790.00	
	100,000 GA		EA	\$468,900.00	
	150,000 GA		EA	\$561,800.00	INCLUDES STEEL STORAGE TANK STANDPIIPE, 1
	250,000 GA		EA	\$646,950.00	FEET HIGH TOWER, VALVES AND STD
	500,000 GA		EA	\$1,040,650.00	FOUNDATIONS, BUT DOES NOT INCLUDE
	750,000 GA		EA	\$1,437,560.00	PUMPHOUSE BUILDING
	1,000,000 GA		EA	\$1,827,940.00	
	.,			••,•=•,•	
	GROUND STG TANK (WATER)				
	100,000 GA		EA	\$258,810.00	
	250,000 GA		EA	\$429,090.00	
	500,000 GA		EA	\$528,590.00	INCLUDES CONCRETE TANK AND STD FOUNDATIONS, BUT DOES NOT INCLUDE
	1,000,000 GA		EA	\$709,970.00	EXTERNAL PIPING AND PUMPING
	2,000,000 GA		EA	\$1,022,930.00	
	4,000,000 GA		EA	\$1,618,070.00	
84620	RESERVOIR, POTABLE				
04020	250,000 GA		EA	\$418,000.00	INCLUDES 6" CONCRETE FLOOR SLAB, ORDINAR
					EXCAVATION AND PUMPING WITHIN
	500,000 GA		EA EA	\$557,410.00	
	1,000,000 GA	_		\$769,670.00	
	2,000,000 GA		EA	\$1,183,100.00	
	4,000,000 GA		EA	\$1,944,290.00	
851XX	ROADS/ PAVEMENTS				INCLUDE DRIVEWAYS, EXCLUDES VEHICLE PARKING, EARTHWORK (CUT & FILL, CATCODE 93410, COST NOT INCLUDED)

CATEGORY				UNIT COST		
	ITEM	QUANTITY	<u>UNIT</u>	\$/UNIT	REMARK	
0002	ASPHALT CONCRETE SURFACE			<u> </u>		
	1-1/2"		SY	\$5.10		
	2"		SY	\$6.70	FOR PAVEMENT ONLY, A/C SURFACE, URBAN	
	3"		SY	\$9.70	AREA	
	CONCRETE SURFACE - NON REINFORCED					
	6"		SY	\$31.00		
	8"		SY	\$43.00	12 FEET PASS FIXED FORM, JOINTS, FINISHING,	
	10"		SY	\$50.00	CURING, URBAN AREA	
	12"		SY	\$58.00		
	BASE COURSE (CRUSHED STONES), THICKNE	ESS:				
	4"		SY	\$7.00		
	6"		SY	\$10.00	INCLUDES MATERIAL, EQUIPMENT & COMPACTION	
	8"		SY	\$13.00		
	12"		SY	\$20.00		
	BASE COURSE (BANK RUN GRAVEL), THICKN	ESS:		•	INCLUDES MATERIAL, TRANSPORT & PLACEMENT	
	6"		SY	\$5.40		
	9"		SY	\$8.00		
		~~~	SY	\$11.00		
	BASE COURSE (BITUM. CONCRETE) THICKNE	SS:	0)(	<b>.</b>		
	4" 		SY	\$12.00		
	6"		SY	\$18.00		
	8"		SY	\$23.00		
	10"		SY	\$29.00		
	6" x 8" CURB/GUTTER (CONCRETE)		LF	\$17.00	INCLUDES CURB & GUTTER AND STEEL FORMS	
852XX	SIDEWALK & OTHER PAVEMENTS				INCLUDES VEHICLE PARKING AREAS, PEDESTRIAN WALKWAYS, ETC. SEE CATCODE 851XX FOR DRIVEWAYS & ROADS	
05000						
85220	SIDEWALKS & WALKWAYS		05	¢4.40		
	4" CONCRETE CAST IN PLACE, NO BASE 2-1/2" ASPHALT CONCRETE		SF SF	\$4.40 \$2.10	INCLUDES GRADING & FORMING	
	2-1/2 ASPHALI CONCRETE		SF	\$2.10		
86010	RAILROAD TRACKS W/TIES AND BALLAST		LF	\$315.80	STANDARD GAUGE RAILROAD, STEEL TIES IN CONC W. 100# RAIL, FASTNERS & PLATES COMPLETE. PARALLEL TRACKS COUNTED SEPARATELY	
07440						
87110	STORM SEWER		LF		SEE CHART A	
87210	FENCING & WALLS					
	CHAIN LINK:				9 GAUGE GALVANIZED STEEL	
	6 FT HIGH		LF	\$20.00	TYPE A (9 GA) INCLUDES 3 STRAND BARBED WIRE	
	8 FT HIGH		LF	\$24.00		
	10 FT HIGH		LF	\$28.00		
07050		T				
87250			<b>F</b> 4	<b>*</b> ~~ + ~ + ~ + ~ + ~ + ~ + ~ + ~ + ~ + ~		
	4' WIDE, SINGLE SWING, 6' HIGH W/ GATE POST		EA	\$321.00		
	12' WIDE, SINGLE SWING, 6' HIGH W/ GATE POS	515	EA	\$883.00	FOR MOTOR OPERATED (SWING) ADD \$2,000	
	24' WIDE, SWING GATE - DOUBLE, 6' HIGH		EA	\$1,543.00	FOR MOTOR OPERATED (SWING) ADD \$3,150	
	36' WIDE, SLIDING GATE - DOUBLE, 8' HIGH		EA	\$2,124.00	FOR MOTOR OPERATED (SLIDE) ADD \$4,410	
88110	AUTOMATIC WATER SPRINKLER SYSTEMS (2,000 SF, PROTECTED AREA ONLY, INCL GATE VALVE)					

CATEGORY				UNIT COST		
CODE	ITEM	<u>QUANTITY</u>	UNIT	\$/UNIT	REMARK	
	WET PIPE		SF		PROTECTED AREA ONLY	
	DRY PIPE		SF	\$4.70	PROTECTED AREA ONLY	
	DELUGE		SF	\$6.30	PROTECTED AREA ONLY, EXCLUDES DELUGE VALVE, PUMPING ELEVATED WATER STG, & EXTERIOR PIPING	
89240	FIRE HYDRANTS, STANDARD 6' DEPTH		EA	\$3,164.00	INCL EXCAVATION & BACKFILL, 4-1/2" CUTOFF VALVE, PIPING & CONNECTION TO MAIN LINE	
93210	SITE CLEARING & GRADING					
	SITE CLEARING & GRUBBING		AC	\$4,111.00	CLEAR & GRUB MEDIUM WOODED AREA, GRUB & REMOVE STUMPS & HAUL	
	SITE CLEARING, MEDIUM		SY	\$0.60	SUNDRY SURFACE ITEM CLEARING EXCL. WOODS & PAVING	
	GRADING:					
	ROUGH - LARGE OPEN AREA		SY	\$2.60	AVG 2' C/F, SPREAD DUMP FILL, NO COMPACTION	
	FINE BORROW, UNCLASSIFIED MATERIAL		SY CY	\$1.30 \$18.00	3 PASSES WITH DOZER, COMPACTION BUY, LOAD AT PIT, UPTO 5-MILE RT HAUL, & SPREAD W/ DOZER	
93220	LANDSCAPE AND PLANTING					
	TOPSOIL:					
	HAUL & SPREAD		CY	\$21.00	INCLUDES MATERIAL, TRANSPORT & PLACEMENT	
	STRIP/STOCKPILE		SY	\$1.60	6" DEEP	
	MULCHING:					
	WOOD CHIPS		SY	\$2.60	2" DEEP	
	GRASS:	1				
	SEEDING		SY	\$0.80	HYD W/FERTILIZER	
	SODDING		SY	\$6.80	1" DEEP BLUE GRASS	
93310	DEMOLITION W/ DISPOSAL					
	Beindelition w/ Disposal       NOTE:         Building: 10,000 SF, 10' EAVE HEIGHT, 25         Miles Haul, NO Disposal (DUMP) FEE         INCLUDED. RECYCLE WILL REDUCE DISPOSAL         COST:    NOTE: ASBESTOS REMOVAL/DISPOSAL NOT INCLUDED. COST ESTIMATE FOR THIS WORK ITEM SHOULD BE BASED ON SITE SURVEY/EVALUATION AND LOCAL EXPERIENCE, AND SEPARATELY IDENTIFIED.					
	CONCRETE STRUCTURE		PER BLDG SF	\$5.50	FOUNDATION REMOVAL OR VALUE OF RECOVERED CONCRETE AGGREEGATE FOR USE AS ENGINEERED BACKFILL NOT INCLUDED	
			DED	<b>A</b> 1 A A	FOUNDATION REMOVAL OR SALVAGE VALUE	
	STEEL FRAME BUILDING		PER BLDG SF	\$4.20	CREDIT FOR STEEL MEMBERS AND STEEL SCRAP NOT INCLUDED	
	MASONRY BLDG		BLDG	\$4.20 \$4.70		
			BLDG SF PER BLDG		NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION,	
	MASONRY BLDG		BLDG SF PER BLDG SF PER BLDG	\$4.70	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION	
	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE		BLDG SF PER BLDG SF PER BLDG SF	\$4.70 \$3.50	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING	
	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG)		BLDG SF PER BLDG SF PER BLDG SF SF	\$4.70 \$3.50 \$2.30	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL	
	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG) BUILDING INTERIOR LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL		BLDG SF PER BLDG SF BLDG SF SF SF N/A DR AS A F	\$4.70 \$3.50 \$2.30 \$0.00 \$0.00 2ART OF THE BLD	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING NOT REQUIRED FOR CONVENTIONAL DEMOLITION G DEMOLITION, UNLESS SPECIFICALLY REQUIRED	
	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG) BUILDING INTERIOR LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL NOTE: LPB IS NOT REQUIRED TO BE ABATED IN COMPLIANCE WITH EM 385-1-1. UNLESS C		BLDG SF PER BLDG SF BLDG SF SF SF N/A DR AS A F	\$4.70 \$3.50 \$2.30 \$0.00 \$0.00 2ART OF THE BLD	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING NOT REQUIRED FOR CONVENTIONAL DEMOLITION G DEMOLITION, UNLESS SPECIFICALLY REQUIRED COATED W/ LBP MAY BE PLACES IN THE	
	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG) BUILDING INTERIOR LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL NOTE: LPB IS NOT REQUIRED TO BE ABATED IN COMPLIANCE WITH EM 385-1-1. UNLESS C INSTALLATION LANDFILL.		BLDG SF PER BLDG SF PER BLDG SF SF SF N/A DR AS A F RESTRIC	\$4.70 \$3.50 \$2.30 \$0.00 \$0.00 PART OF THE BLD TED, MATERIALS	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING NOT REQUIRED FOR CONVENTIONAL DEMOLITION G DEMOLITION, UNLESS SPECIFICALLY REQUIRED COATED W/ LBP MAY BE PLACES IN THE	
93410	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG) BUILDING INTERIOR LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL NOTE: LPB IS NOT REQUIRED TO BE ABATED IN COMPLIANCE WITH EM 385-1-1. UNLESS C INSTALLATION LANDFILL. CONCRETE PAVEMENT, UPTO 4" THICK		BLDG SF PER BLDG SF PER BLDG SF SF SF N/A OR AS A F RESTRIC	\$4.70 \$3.50 \$2.30 \$0.00 \$0.00 PART OF THE BLD TED, MATERIALS \$16.00	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING NOT REQUIRED FOR CONVENTIONAL DEMOLITION G DEMOLITION, UNLESS SPECIFICALLY REQUIRED COATED W/ LBP MAY BE PLACES IN THE 1.32/SF, INCLUDES 2" GRAVEL	
93410	MASONRY BLDG WOOD FRAME CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG) BUILDING INTERIOR LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL NOTE: LPB IS NOT REQUIRED TO BE ABATED IN COMPLIANCE WITH EM 385-1-1. UNLESS C INSTALLATION LANDFILL. CONCRETE PAVEMENT, UPTO 4" THICK BITUMINOUS PAVEMENT, 2" THICK		BLDG SF PER BLDG SF PER BLDG SF SF SF N/A OR AS A F RESTRIC	\$4.70 \$3.50 \$2.30 \$0.00 \$0.00 PART OF THE BLD TED, MATERIALS \$16.00	NOT INCLUDED FOR SIMPLE CONCRETE BLOCK CONSTRUCTION, NO FOUNDATION FOR POST AND BEAM OR STUD WALL 6 INCH THICK WITH TURNED DOWN FOOTING NOT REQUIRED FOR CONVENTIONAL DEMOLITION G DEMOLITION, UNLESS SPECIFICALLY REQUIRED COATED W/ LBP MAY BE PLACES IN THE 1.32/SF, INCLUDES 2" GRAVEL	

	A - FACILITY UNIT COST TABLE (Part - II, Suppo Support Facilities Unit Costs below are for guidar		ents to the	ese unit costs are al	llowed when local cost data are available and provided wi		
ATEGORY	ITEM	QUANTITY	UNIT	UNIT COST	REMARK		
CODE		QUANTIT		<u>\$/UNIT</u>			
	EXCAVATION, BULK DOZER		CY	\$8.60	COMMON EARTH, HAULING 2 MILE ROUND TRIP		
	EXCAVATION, TRENCH-MACHINE		CY	\$5.90	, , ,		
	EXCAVATION TRENCH-HAND		CY	\$45.00	,		
	BACKFILL-MACHINE		CY	\$6.90			
	BACKFILL-HAND		CY	\$33.00	INCLUDES COMPACTION		
	ROCK:						
	EXCAVATION ROCK, HARD		CY	\$87.00			
	EXCAVATION SHALE, MEDIUM		CY	\$47.00			
	EXCAVATION ROCK TRENCH-HAND		CY	\$146.00	BY HAND /AIR TOOL		
00040							
88040	AT/FP VEHICULAR BARRICADES						
	Barrier Standards SD-STD-02.01 specifies perpendicular b						
	"K" indicates the Dept of State certified barrier's maximum vehicle impact speed rating         "L" indicates the test vehicle's distance of penetration upon impact with barrier         K12 = 50 mph (880 kph)       L3 = 3 ft. (915 mm)         K8 = 40 mph (65 kph)       L2 = 3 ft. to 20 ft. (915 mm to 6.1 m)         K4 = 30 mph (48 kph)       L1 = 20 ft. to 50 ft. (6.1 m to 15.3 m)						
		remote control pa	anel inclu		ional electrical power requirements to be added er installation, safety loops, traffic arm, and traffic RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH		
	PORTABLE HYDRAULIC BARRICADE		EA	\$35,710.00	TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS		
	PORTABLE HEDGEHOG BARRICADE		EA	\$3,061.00	15,000 LB VEHICLE AT 30 MPH BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TON BAR, 12' LONG		
	WEDGE BARRICADE		EA	\$55,740.00			
	WEDGE BARRICADE		EA	\$61,220.00	K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT MPH		
	HYDRAULIC RISING ROAD PLATE		EA	\$56,110.00	PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 63 MPH		
	HYDRAULIC WEDGE		EA	\$71,420.00	K12/L2 RATED, 9' WIDE X 3'-2" HIGH, STOPS VEHICLE AT 50 MPH, ZERO PENETRATION		
	HYDRAULIC RISING ROAD PLATE		EA	\$40,810.00	PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 10' LENGTH, 1' THICK STEEL PLATE, STOPS 6,000 LB VEHICLE AT 40 MPH		
	HYDRAULIC RISING ROAD PLATE		EA	\$61,220.00	K12/L2 RATED, PLATE RISES TO 39" HIGH, SURFACE MOUNTED, REMOTE CONTROL PANEL STOPS 15,000 LB VEHICLE AT 70 MPH		
	RISING ROAD PLATE		EA	\$56,110.00	K12/L2 RATED, PLATE RISES TO 18" HIGH, SURFACE MOUNTED, REMOTE CONTROL PANEL STOPS 15,000 LB VEHICLE AT 63 MPH		
	RISING ROAD PLATE		EA	\$58,160.00	K12/L2 RATED, PLATE RISES TO 39" HIGH, SHALLOW FOUNDATION TO 18" DEPTH, 9' LENGT STOPS 15,000 LB VEHICLE AT 50 MPH		
	POP-UP BOLLARD SYSTEM		EA	\$51,150.00	K4/L2 RATED, HYDRAULIC OR PNEUMATIC, SET O THREE BOLLARDS, 13.25" DIA, 35" HIGH		
	POP-UP BOLLARD SYSTEM		EA	\$53,190.00	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		

TEGORY	ITEM			UNIT COST	DEMARK
CODE	ITEM	QUANTITY	<u>UNIT</u>	<u>\$/UNIT</u>	REMARK
	POP-UP BOLLARD SYSTEM		EA	\$51,150.00	HYDRAULIC, SET OF THREE BOLLARDS, 8.63" DI. 24" HIGH, REMOTE CONTROL PANEL, ADD \$5,000 FOR EACH ADDL BOLLARD UP TO SEVEN ADDL
	POP-UP BOLLARD SYSTEM		EA	\$66,490.00	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 VEHICL AT 30 MPH
	POP-UP BOLLARD SYSTEM		EA	\$61,380.00	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 VEHICL AT 40 MPH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$5,115.00	K4/L2 RATED, COUNTER BALANCED MANUAL LIF 10.75" DIA, 30" HIGH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$4,091.00	24" HIGH, STOPS 10,000 LB VEHICLE AT 48 MPH AND STOPS 13,200 LB VEHICLE AT 38 MPH
	CRASH BEAM BARRICADE		EA	\$46,030.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARI MOUNTED, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH
	CRASH CABLE BEAM BARRICADE SWING GATE, MANUALLY OPERATED		EA	\$12,270.00	K4/L2 RATED, MANUAL HORIZONTAL SWING CRASH BEAM BARRIER, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPI
	CABLE BEAM BARRICADE, HYDRAULIC		EA	\$40,910.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPI
	CRASH BEAM BARRICADE, HYDRAULIC		EA	\$51,150.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 15,000 LB VEHICLE AT 30 MPI
	SLIDING LINEAR CRASH GATE		EA	\$63,420.00	K4/L2 RATED, 9' HIGH x 12' WIDE CLEAR OPENIN GATE WITH GROUND TRACK, LINEAR GATE OPERATOR, REMOTE CONTROL PANEL, STOP-O SIGNAL LIGHTS, STOPS 15,000 LB VEHICLE AT 5 M\PH
	MANUAL CRASH SWING GATE		EA	\$15,340.00	9' HIGH x 12' WIDE CLEAR OPENING GATE
	HYDRAULIC ROLLING CRASH GATE		EA	\$49,100.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATE LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GA LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK A PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS
	SLIDING CANTILEVER CRASH GATE		EA	\$54,210.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATI LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GA LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK A PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS. THIS GATE DOES NO NEED TRACKS, WHEELS, OR ROLLER PATH
	PASSIVE VEHICLE BARRIER, SURFACE		EA	\$614.00	SURFACE MOUNTED TIRE SPIKES, 3' WIDE,

		0, 84210, 87110)		•				
	PVC U/C 2006	PVC U/C 2007	UNIT	SIZE in INCHES	Notes	BLACK STEEL U/C	UNIT	SIZE in INCHES
		\$6.40	LF	1		\$12.30	LF	1
	\$9.60	\$9.70	LF	2		\$17.70	LF	2
		\$12.80	LF	3		\$21.90	LF	3
		\$19.20	LF	4	BLACK STEEL,	\$27.00	LF	4
		\$25.00	LF	6	SCHEDULE 40,	\$33.30	LF	6
	\$31.40	\$31.50	LF	10	WELDED	\$72.60	LF	10
						\$103.80	LF LF	12
						\$137.00 \$232.90		18 24
						\$232.90	LF	24
	HDPE	HDPE U/C 2007	UNIT	SIZE in INCHES		CORRUGATED METAL U/C 2007	UNIT	SIZE in INCHES
		\$8.10	LF	4				
		\$13.50	LF	6		\$11.20	LF	6
		\$19.60	LF	10		\$17.30	LF	10
		\$26.40	LF	12	CORRUGATED	\$20.60	LF	12
		\$49.50	LF	18	METAL PIPING	\$29.10	LF	18
	\$80.50	\$80.70	LF	24		\$48.50	LF	24
						\$80.20	LF	36
						\$203.00	LF	60
		CONCR	UNIT	SIZE in INCHES		DUCTILE IRON U/C	UNIT	SIZE in INCHES
REINF. 06	REINF	PLAIN						
						\$20.60	LF	4
						\$23.50	LF	6
						\$41.20	LF	10
		\$15.40	LF	6		\$52.40	LF	12
		\$17.90	LF	10		\$92.00	LF	18
\$25	\$25.80	\$19.90	LF	12		\$123.90	LF	24
\$36	\$36.40	\$31.60	LF	18				
\$47	\$47.20	\$36.40	LF	24				
\$119	\$120.20		LF	36				
\$187	\$187.50		LF	60				
		VITRIFIED		SIZE in				
XTRA			UNIT	INCHES		REINFORCED	UNIT	SIZE in
FRENGTH	STRENGTH 06	STRENGTH				PLASTIC U/C		INCHES
						\$10.60 \$19.10	LF LF	3 4
\$8	\$8.80	\$7.70	LF	4		\$23.40	LF	6
\$11	\$11.80	\$10.70	LF	6		\$53.10	LF	10
\$21	\$21.80	\$18.80	LF	10		\$65.00	LF	12
\$24		\$22.40	LF	12				
\$59		\$48.90	LF	18				
\$118 \$225		\$99.70 \$203.40	LF LF	24 36				

#### 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 18", 14 gage for 24", 12 gage up to 60".
- 3. Ductile iron, cement lined, class 50 water pipe, 18' 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.

## UNIT COSTS for ARMY Facilities PAX Newsletter 3.2.2, Revised 15 May 2007

### CHART B

# SOLAR ENERGY SYSTEM COST ESTIMATING*

BUILDING AREA ** (SQ. FT.)		) SOLAR SYSTEM COST (\$)
UP TO	15000.00	\$4.70 per sq. ft. *** plus \$35,000.00
15001	50000.00	\$3.30 per sq. ft. *** plus \$51,000.00
50001	AND LARGER	\$1.70 per sq. ft. *** plus \$140,000.00

* Include solar collection panels, water supply, pumps, pipelines and expansion tank

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

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

#### UNIT COSTS for ARMY FACILITIES PAX Newsletter 3.2.2, Revised 15 May 2007

# CHART C, METRIC/ENGLISH SYSTEMS

QUANTITY	FROM	MULTIPLY BY	TO OBTAIN
LENGTH	inch	25.400000	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
		0.404007	lieotare
	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
/OLUME	cubic inch	16387.060000	cubic millimeter
OLOWIE	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
	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
ASS	ounce (avoirdupois)	28.349520	gram
	pound (avoirdupois)	0.453592	kilogram
	short ton	907.185000	kilogram
	arom	0.035273	011000
	gram kilogram	2.204622	ounce pound
	kilogram		-
	kilogram	0.001102	short ton
NERGY, H			
ND WORK	kilowatthour	3.600000	megajoule
	btu	1.055056	kilojoule
	horsepower hour	2.684520	megajoule
	megajoule	0.277780	kilowatthour
	kilojoule	0.947817	btu
	megajoule	0.372506	horsepower hour
OWER	ton (refrigeration) btu/s	3.517000	kw kw
		1.055056 745.700000	kw
	hp (electric) btu/h	0.293071	W
	kw	0.284333	ton (refrigeration)
	kw	0.947817	btu/s
	W	0.001341 3.412141	hp (electric)

#### PAX NEWSLETTER 3.2.2, Revised 15 May 2007

### APPENDIX C To TM 5-800-4 TRI-SERVICE MILITARY CONSTRUCTION PROGRAM (MCP) INDEX FOR FY 2008 THRU FY 2013 PROGRAMS

FISCAL			ESCALATION PERSENTAGE
<u>YEAR (FY)</u>	DATES	INDEX	FOR FISCAL YEAR
2006	1-Oct- 2005	 2301	
	1-Jan- 2006	 2315	FY 06
	1-Apr- 2006	2328	1100
	1-Jul- 2006	2341	2.3%
2007	1-Oct- 2006	 2354	
	1-Jan- 2007	2367	FY 07
	1-Apr- 2007	2380	1107
	1-Jul- 2007	 2393	2.2%
2008	1-Oct- 2007	 2406	
	1-Jan- 2008	 2419	FY 08
	1-Apr- 2008	 2432	FT UO
	1-Jul- 2008	 2445	2.1%
2009	1-Oct- 2008	 2457	
	1-Jan- 2009	 2470	EX 00
	1-Apr- 2009	 2483	FY 09
	1-Jul- 2009	2496	2.1%
2110	1-Oct- 2009	 2509	
	1-Jan- 2010	2522	
	1-Apr- 2010	 2534	FY 10
	1-Jul- 2010	 2547	2.0%
2111	1-Oct- 2010	 2559	
	1-Jan- 2011	 2572	
	1-Apr- 2011	 2585	FY 11
	1-Jul- 2011	 2598	2.0%
2112	1-Oct- 2011	 2610	
	1-Jan- 2012	 2623	EV 40
	1-Apr- 2012	 2636	FY 12
	1-Jul- 2012	 2649	2.0%
2113	1-Oct- 2012	 2662	

### Notes

1. Use 2.0% per fiscal year for projection beyond FY 2013

2. Tri - Service MCP Index (1,000) = 1 October 1979 ENR Historical Building Cost Index (1,900)

3. The MCP indexes after 1 October 2006 were derived based on the Price Escalation Indices (Annual Rates in Percentages) for Budget Authority published in the Memorandum, dated 18 January 2007, from the Under Secretary of Defense (Comptroller), Subject: Inflation Guidance - Fiscal Year (FY) 2008-09 President's Budget.

4. This revised index table supersedes the index table published on **30 March 2006** 

# TABLE I - SIZE ADJUSTMENT FACTORS

# PART I - BUILDING (OTHER THAN BARRACKS & FAMILY HOUSING)

SIZE RATIO	ADJUST FACTOR	SIZE ADJUST RATIO FACTOR	SIZE ADJUST RATIO FACTOR	SIZE ADJUST RATIO FACTOR
< 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 - PROJECT SIZE ADJUSTMENTS FOR BARRACKS/FAMILY HOUSING

MILITARY HOUS PROJEC	SING	BARRACKS/ DORMITORIES PROJECT SIZE		
ADJUST FACT		ADJUSTMENT FACTORS		
NUMBER	PROJECT	NUMBER	PROJECT	
OF UNITS in		OF ROOMS	SIZE	
the project	FACTOR	in the project	FACTOR	
1-9	1.25	1-99	1.07	
10-19	1.15	100-149	1.03	
20-49	1.10	150-199	1.00	
50-99	1.04	200-299	0.97	
100-199	1.00	300+	0.95	
200-299	0.93			
300+	0.90			