



***Department of the Army
Fiscal Year (FY) 2013
Budget Submission***

**Military Construction, Army
Family Housing & Homeowners Assistance**

**JUSTIFICATION DATA SUBMITTED TO CONGRESS
February 2012**

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST		
-----	-----	-----	-----		
Alaska	Joint Base Elmendorf-Richardson (USARPAC)				
61731	Modified Record Fire Range	7,900	7,900	C	3
	Subtotal Joint Base Elmendorf-Richardson Part I	\$ 7,900	7,900		
	Fort Wainwright (IMCOM)				7
61681	Modified Record Fire Range	10,400	10,400	C	9
	Subtotal Fort Wainwright Part I	\$ 10,400	10,400		
	* TOTAL MCA FOR Alaska	\$ 18,300	18,300		
California	Military Ocean Terminal Concord (AMC)				15
76086	Lightning Protection System	5,800	5,800	C	17
76091	Engineering/Housing Maintenance Shop	3,100	3,100	C	20
	Subtotal Military Ocean Terminal Concord Part I	\$ 8,900	8,900		
	* TOTAL MCA FOR California	\$ 8,900	8,900		
Colorado	Fort Carson (IMCOM)				25
59626	Digital Multipurpose Training Range	18,000	18,000	C	27
	Subtotal Fort Carson Part I	\$ 18,000	18,000		
	* TOTAL MCA FOR Colorado	\$ 18,000	18,000		
District of Columbia	Fort McNair (IMCOM)				33
78054	Vehicle Storage Building, Installation	7,200	7,200	C	35
	Subtotal Fort McNair Part I	\$ 7,200	7,200		
	* TOTAL MCA FOR District of Columbia	\$ 7,200	7,200		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST		-----
Georgia	Fort Benning (IMCOM)				41
77416	Ground Source Heat Transfer System	16,000	16,000	C	43
	Subtotal Fort Benning Part I	\$ 16,000	16,000		
	Fort Gordon (IMCOM)				47
61498	Modified Record Fire Range	4,000	4,000	C	49
67017	Multipurpose Machine Gun Range	7,100	7,100	C	52
77419	Ground Source Heat Transfer System	12,200	12,200	C	56
	Subtotal Fort Gordon Part I	\$ 23,300	23,300		
	Fort Stewart (IMCOM)				59
57794	Digital Multipurpose Training Range	22,000	22,000	C	61
67019	Automated Combat Pistol Qual Crse	3,650	3,650	C	65
73008	Unmanned Aerial Vehicle Complex	24,000	24,000	C	69
	Subtotal Fort Stewart Part I	\$ 49,650	49,650		
	* TOTAL MCA FOR Georgia	\$ 88,950	88,950		
Hawaii	Schofield Barracks (IMCOM)				75
76586	Barracks	41,000	41,000	C	77
76587	Barracks	55,000	55,000	C	81
	Pohakuloa Training Area				
66023	Automated Infantry Platoon Battle Course	29,000	29,000	C	85
	Wheeler Army Air Field				
76903	Combat Aviation Brigade Barracks	85,000	85,000	C	89
	Subtotal Schofield Barracks Part I	\$ 210,000	210,000		
	* TOTAL MCA FOR Hawaii	\$ 210,000	210,000		
Kansas	Fort Riley (IMCOM)				95
80114	Unmanned Aerial Vehicle Complex	12,200	12,200	C	97
	Subtotal Fort Riley Part I	\$ 12,200	12,200		
	* TOTAL MCA FOR Kansas	\$ 12,200	12,200		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST		-----
Kentucky	Fort Campbell (IMCOM)				103
61810	Battalion Headquarters Complex	55,000	55,000	C	105
71712	Live Fire Exercise Shootouse	3,800	3,800	C	108
76239	Unmanned Aerial Vehicle Complex	23,000	23,000	C	111
	Subtotal Fort Campbell Part I	\$ 81,800	81,800		
	Fort Knox (IMCOM)				115
05924	Automated Infantry Squad Battle Course	6,000	6,000	C	117
	Subtotal Fort Knox Part I	\$ 6,000	6,000		
	* TOTAL MCA FOR Kentucky	\$ 87,800	87,800		
Missouri	Fort Leonard Wood (IMCOM)				123
54489	Trainee Barracks Complex 3, Ph 2	58,000	58,000	C	125
65679	Vehicle Maintenance Shop	39,000	39,000	C	129
66099	Battalion Complex Facilities	26,000	26,000	C	133
	Subtotal Fort Leonard Wood Part I	\$ 123,000	123,000		
	* TOTAL MCA FOR Missouri	\$ 123,000	123,000		
New Jersey	Joint Base McGuire-Dix-Lakehurst (AMC)				
71675	Flight Equipment Complex	47,000	47,000	C	139
	Subtotal JB McGuire-Dix-Lakehurst Part I	\$ 47,000	47,000		
	Picatinny Arsenal (IMCOM)				143
51519	Ballistic Evaluation Center	10,200	10,200	C	145
	Subtotal Picatinny Arsenal Part I	\$ 10,200	10,200		
	* TOTAL MCA FOR New Jersey	\$ 57,200	57,200		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT NUMBER -----	----- PROJECT TITLE -----	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	CURRENT MISSION	PAGE
		-----	-----	-----	-----
New York	Fort Drum (IMCOM)				151
80246	Aircraft Maintenance Hangar	95,000	95,000	C	153
Subtotal Fort Drum Part I		\$ 95,000	95,000		
	United States Military Academy (IMCOM)				157
79933	Cadet Barracks	192,000	192,000	C	159
Subtotal United States Military Academy Part I		\$ 192,000	192,000		
* TOTAL MCA FOR New York		\$ 287,000	287,000		
North Carolina	Fort Bragg (IMCOM)				165
55121	Aerial Gunnery Range	42,000	42,000	C	167
78499	Infrastructure	30,000	30,000	C	171
80112	Unmanned Aerial Vehicle Complex	26,000	26,000	C	175
Subtotal Fort Bragg Part I		\$ 98,000	98,000		
* TOTAL MCA FOR North Carolina		\$ 98,000	98,000		
Oklahoma	Fort Sill (IMCOM)				181
67037	Modified Record Fire Range	4,900	4,900	C	183
Subtotal Fort Sill Part I		\$ 4,900	4,900		
* TOTAL MCA FOR Oklahoma		\$ 4,900	4,900		
South Carolina	Fort Jackson (IMCOM)				189
58970	Trainee Barracks Complex 2, Ph 2	24,000	24,000	C	191
Subtotal Fort Jackson Part I		\$ 24,000	24,000		
* TOTAL MCA FOR South Carolina		\$ 24,000	24,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	NEW/	AUTHORIZATION	APPROPRIATION	CURRENT	MISSION	PAGE
----- PROJECT	-----		REQUEST	REQUEST			
NUMBER	PROJECT TITLE		-----	-----			-----
-----	-----		-----	-----			-----
Texas	Fort Bliss (IMCOM)						197
66911	Multipurpose Machine Gun Range		7,200	7,200	C		199
	Subtotal Fort Bliss Part I		\$ 7,200	7,200			
	Corpus Christi Army Depot (AMC)						
45116	Aircraft Component Maintenance Shop		13,200	13,200	C		203
55460	Aircraft Paint Shop		24,000	24,000	C		206
	Subtotal Corpus Christi Army Depot Part I		\$ 37,200	37,200			
	Fort Hood (IMCOM)						209
67020	Modified Record Fire Range		4,200	4,200	C		211
71120	Training Aids Center		25,000	25,000	C		214
80113	Unmanned Aerial Vehicle Complex		22,000	22,000	C		217
	Subtotal Fort Hood Part I		\$ 51,200	51,200			
	Joint Base San Antonio (IMCOM)						
68530	Barracks		21,000	21,000	C		221
	Subtotal Joint Base San Antonio Part I		\$ 21,000	21,000			
	* TOTAL MCA FOR Texas		\$ 116,600	116,600			
Virginia	Arlington National Cemetery (ANC)						
80788	Cemetery Expansion Millennium Site		84,000	84,000	C		227
	Subtotal Arlington National Cemetery Part I		\$ 84,000	84,000			
	Fort Belvoir (IMCOM)						231
58849	Secure Admin/Operations Facility		94,000	94,000	C		233
	Subtotal Fort Belvoir Part I		\$ 94,000	94,000			
	Fort Lee (IMCOM)						237
33771	Adv Individual Training Barracks Cplx, Ph2		81,000	81,000	C		239
	Subtotal Fort Lee Part I		\$ 81,000	81,000			
	* TOTAL MCA FOR Virginia		\$ 259,000	259,000			

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT NUMBER	----- PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	CURRENT MISSION	PAGE
-----	-----	-----	-----	-----	-----
Washington	Joint Base Lewis-McChord (IMCOM)				245
64456	Battalion Complex	73,000	73,000	C	247
75165	Waste Water Treatment Plant	91,000	91,000	C	250
	Yakima Firing Center				
67545	Convoy Live Fire Range	5,100	5,100	C	254
		-----	-----		
	Subtotal Joint Base Lewis-McChord Part I	\$ 169,100	169,100		
	* TOTAL MCA FOR Washington	\$ 169,100	169,100		
	** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 1,590,150	1,590,150		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)			NEW/	
-----	-----	AUTHORIZATION	APPROPRIATION	CURRENT	PAGE
PROJECT	PROJECT TITLE	REQUEST	REQUEST	MISSION	
NUMBER	-----	-----	-----	-----	-----
Italy	Italy Various (IMCOM)				259
	Camp Ederle				
71911	Barracks	36,000	36,000	C	261
	Vicenza Mil Cmty				
64079	Simulations Center	32,000	32,000	C	265
	Subtotal Italy Various Part I	\$ 68,000	68,000		
	* TOTAL MCA FOR Italy	\$ 68,000	68,000		
Japan	Japan Various (IMCOM)				271
	Sagami				
62663	Vehicle Maintenance Shop	18,000	18,000	C	273
	Subtotal Japan Various Part I	\$ 18,000	18,000		
	Okinawa (IMCOM)				277
62783	Satellite Communications Facility	78,000	78,000	C	279
	Subtotal Okinawa Part I	\$ 78,000	78,000		
	* TOTAL MCA FOR Japan	\$ 96,000	96,000		
Korea	Korea Various (IMCOM)				285
	Camp Humphreys				
76196	Battalion Headquarters Complex	45,000	45,000	C	287
	Subtotal Korea Various Part I	\$ 45,000	45,000		
	* TOTAL MCA FOR Korea	\$ 45,000	45,000		
	** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 209,000	209,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
WORLDWIDE

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
----- PROJECT	-----	REQUEST	REQUEST	-----
NUMBER	PROJECT TITLE	-----	-----	-----
-----	-----	-----	-----	-----
Worldwide Various	Planning and Design (PLNGDES)			
	Planning and Design Host Nation			
66744	Host Nation Support FY 13	0	34,000	293
66746	Planning and Design FY13	0	65,173	295
		-----	-----	
	Subtotal Planning and Design Part I	\$ 0	99,173	
	Minor Construction (MINOR)			
66748	Minor Construction FY 13	0	25,000	297
		-----	-----	
	Subtotal Minor Construction Part I	\$ 0	25,000	
	* TOTAL MCA FOR Worldwide Various	\$ 0	124,173	
	** TOTAL WORLDWIDE FOR MCA	\$ 0	124,173	
	MILITARY CONSTRUCTION (Part I) TOTAL	\$ 1,799,150	1,923,323	
	Total Cost of New Mission Projects	(0)	\$ 0	
	Total Cost of Current Mission Projects	(52)	\$ 1,799,150	
	Total Cost of other line items	(3)	\$ 124,173	
	Total Cost of FY 2013 MCA Projects	(55)	\$ 1,923,323	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (Part I) FY 2013

COMMAND SUMMARY

MAJOR ARMY COMMAND NAME	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
INSIDE THE UNITED STATES		
US Army Materiel Command	93,100	93,100
Arlington National Cemetery	84,000	84,000
US Army Installation Management Command	1,405,150	1,405,150
US Army Pacific	7,900	7,900
OUTSIDE THE UNITED STATES		
US Army Installation Management Command	209,000	209,000
WORLDWIDE		
Military Construction, Army Minor	0	25,000
Planning and Design	0	99,173
 TOTAL	 1,799,150	 1,923,323

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MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army shown in the schedules of this title is summarized in the following tabulation:

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY APPROPRIATIONS (\$)</u>
2013	\$1,923,323,000
2012	\$3,006,491,000
2011	\$3,824,782,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of Army personnel. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in this year's request for Authorizations and Appropriations.

This request funds the Army's most critical facility needs for the following Army initiatives: (1) Recapitalization of aging facilities, (2) Transformation to a Modular Force (AMF), and (3) Range and Training facilities. Within these initiatives are the final projects required to support unit stationing actions associated with the Global Defense Posture Realignment (GDPR), as well as the fielding of unmanned aerial systems. Other Army investment priorities include recapitalization of inadequate Permanent Party and Training Barracks. Within each construction project is a cost estimate to meet various energy security requirements.

2. Minor Construction. Provision is made for construction of future unspecified projects that have not been individually authorized by law but are determined to be urgent requirements and do not cost more than the amounts specified in 10 USC 2805. Projects awarded with these funds may not exceed \$2 million. They may be awarded up to \$3.0 million if there is a threat to life, health, or safety that cannot be mitigated with O&M funds, and deferral of the construction project until the next Military Construction Authorization Act poses an unacceptable and imminent risk to military personnel.

3. Planning & Design. This provides for necessary planning of military construction projects including design, host nation support, standards, surveys, studies, and other related activities. In general, design funds requested in fiscal year 2013 will be used to design projects in the Army's Fiscal Years 2014 and 2015 programs. Per policy guidance issued by the Assistant Secretary of the Army (Installations, Energy, and the Environment) on 27 October 2010, all new construction projects will be designed to

achieve reduced energy consumption at or below the levels specified in ASHRAE Standard 189.1 Section 7. Compliance shall be to the extent project funds and technology allows. On-site renewable energy requirements in ASHRAE Standard 189.1, Section 7, may be met on an installation-wide or program-wide basis.

Department of Defense

MILITARY CONSTRUCTION, ARMY

Fiscal Year 2013

MILITARY CONSTRUCTION, ARMY

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, including personnel in the Army Corps of Engineers and other personal services necessary for the purposes of this appropriation, and for construction and operation of facilities in support of the functions of the Commander in Chief, \$1,923,323,000, to remain available until September 30, 2017: Provided, That of this amount, not to exceed \$99,173,000 shall be available for study, planning, design, architect and engineer services, and host nation support, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefore.

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Requirement for Authorization to fund additional FY 2013 Projects:

The Army has identified two projects for which there is a vital need, but for which neither authorization of appropriation nor appropriation are being requested in this budget submission. These projects are tied to emerging high priority requirements. Obtaining the requested authority would give the Army flexibility to address these priorities prior to the Fiscal Year 2014 budget request using previously appropriated Military Construction, Army funds, if available.

Fort Carson Central Energy Plant, PN 080433

<u>ST</u>	<u>Location</u>	<u>Description</u>	<u>Estimated PA (\$ millions)</u>
CO	Fort Carson	Central Energy Plant	\$34.0

This project will provide a central energy plant for facilities associated with stationing the 13th Combat Aviation Brigade at Fort Carson. The plant will provide energy to all facilities at the Wilderness Road and Butts Army Airfield complexes. The project is critical to designation of Fort Carson as a NetZero Energy/Water/Waste Installation. This requirement was identified after budget lock and was not included in the FY2013 budget request. A DD Form 1391 is provided at page xix.

Kwajalein Pier, PN 059779

<u>ST</u>	<u>Location</u>	<u>Description</u>	<u>Estimated PA (\$ millions)</u>
KW	Kwajalein Atoll	Pier	\$62.0

This project will upgrade and modernize the existing pier by encircling the footprint of the pier with steel sheet piling, filling the enclosed area with suitable material, and installing new concrete decking. Splash zone areas of the steel wall will be encapsulated with a reinforced concrete cap. If this project is not provided, U.S. Army Kwajalein Atoll (USAKA) will continue to rely on a single berthing point for all cargo operations. The size and location of the berth severely restrict critical supply activities at Kwajalein because only one ship can berth for unloading or loading at any given time. The limited draft at the berth restricts the type and size of ships that can berth at Kwajalein. Without this project the pier will continue to deteriorate, risking catastrophic failure that could cripple mission operations for USAKA and supported agencies. A DD Form 1391 is provided at page xxiii.

Requirement for Additional Scope Authorization:

Fort Belvoir Road and Access Control Point, FY 2010

The Army requested, and Congress authorized and appropriated, \$9.5 million in FY10 for construction of an access control point and entrance road on Fort Belvoir. The project is required to provide safe, secure, controlled access from Richmond Highway (US Route 1). Upon completion of final design it was determined that, due to an oversight, the authorized DD Form 1391 did not include sufficient scope to construct an access control point fully compliant

with current Army standards. A corrected DD Form 1391 is provided at page xxvii and correct primary scope is listed below. If additional funds are required for this project, the Army will provide a cost variation notification in accordance with Title 10 US Code, Section 2853, and a reprogramming request if necessary.

<u>ST</u>	<u>Location</u>	<u>Description (Line item)</u>	<u>Unit</u>	<u>Quantity</u>
VA	Fort Belvoir	Road and Access Control Point		
		(Access Road/Pavement)	SY	78,610
		(Vehicle Inspection Canopy)	SF	3,120
		(Gatehouse)	SF	840
		(Search Building)	SF	660
		(Search Area Shelter)	SF	50
		(Guard Booth)	EA	3
		(Overwatch Station)	SF	36
		(Truck Inspection Canopy)	SF	2,080
		(ID Check Canopy)	SF	5,248
		(Passive Vehicle Guardrail)	LF	5,466
		(Traffic Control)	EA	11
		(Diesel Generator & Switchgear)	EA	1
		(Active Vehicle Barrier)	EA	4
		(Security Fence)	LF	4,935
		(Main Entrance Gate & structures)	EA	1
		(IDS Installation)	LS	
		(CCTV Installation)	LS	
		(Sustainability/Energy Measures)	LS	
		(Building Information Systems)	LS	

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Central Energy Plant		
5. PROGRAM ELEMENT		6. CATEGORY CODE 891	7. PROJECT NUMBER 80433		8. PROJECT COST (\$000) Auth 34,000 Approp 34,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						27,252
Central Energy Plant		EA	1	--	13300766	(13,301)
Hot Water Lines		m (LF)	8,291	(27,200)	697.57	(5,783)
Chilled Water Lines		m (LF)	8,291	(27,200)	944.55	(7,831)
EMCS Connection		LS	--	--	--	(135)
Sustainability/Energy Measures		LS	--	--	--	(60)
Total from Continuation page						(142)
<u>SUPPORTING FACILITIES</u>						2,114
Electric Service		LS	--	--	--	(406)
Water, Sewer, Gas		LS	--	--	--	(391)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(215)
Storm Drainage		LS	--	--	--	(130)
Site Imp(480) Demo()		LS	--	--	--	(480)
Information Systems		LS	--	--	--	(444)
Antiterrorism Measures		LS	--	--	--	(48)
ESTIMATED CONTRACT COST						29,366
CONTINGENCY (5.00%)						1,468
SUBTOTAL						30,834
SUPV, INSP & OVERHEAD (5.70%)						1,758
DESIGN/BUILD - DESIGN COST						1,233
TOTAL REQUEST						33,825
TOTAL REQUEST (ROUNDED)						34,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct a Central Energy Plant (CEP) for the Butts Army Airfield (BAAF) and Wilderness Road Complex (WRC) plateau area at Fort Carson, Colorado. The primary facility will produce electricity and hot and cold water. The plant will be capable of using renewable energy and bio-based fuels. The CEP will include power generation, heat exchangers, boilers, hot and cold water distribution lines, associated pumps, piping and controls, and energy storage. The project also includes mechanical and electrical systems, information systems, fire protection and alarm systems, and Energy Monitoring Control Systems (EMCS) connection. Sustainability and energy enhancement measures are included. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs, and gutters, low impact development precipitation management, information systems, landscaping and signage. Force Protection measures will be in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings. Air Conditioning (Estimated 106 kW/30 Tons).						
11. REQ:		1 EA	ADQT:		NONE	SUBSTD: NONE
PROJECT: Construct a Central Energy Plant (CEP) for the Butts Army Airfield and Wilderness Road Complex at Fort Carson Colorado. (Current Mission)						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Carson, Colorado

4. PROJECT TITLE Central Energy Plant	5. PROJECT NUMBER 80433
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Antiterrorism Measures	LS	--	--	(90)
Building Information Systems	LS	--	--	(52)
			Total	142

REQUIREMENT: This project is required to provide heating and air conditioning in support of the master plan at Fort Carson. The central utility demand comes from current and ongoing construction at the Butts Army Airfield and the Wilderness Road Complex. This energy plant will support stationing at these two locations. Fort Carson has been designated a Net-Zero (Energy) installation for the Army.

CURRENT SITUATION: A central energy plant was not considered earlier because the stationing decision of a Combat Aviation Brigade (CAB) was delayed. The requirement is now urgent. The delay created uncertainty that any or part of the required facilities required would be built. The programming milestones for it to become a FY13 project were missed while waiting for the stationing action to become final. The subsequent large-scale growth coupled with the energy conservation advocacy by the Army required insertion in FY13. A substantial number of mission essential facilities will be built in close succession and physical proximity to each other. A central energy plant becomes an ideal application when a large number of buildings are clustered close to each other. Four FY2011 projects have started, six FY2012 are about to be awarded and one project is proposed for FY2013. The plant helps Fort Carson achieve Net-Zero as designated by the Secretary of the Army. This is both an effort by the Army to be compliant with energy conservation legislation and employ emergent technology.

IMPACT IF NOT PROVIDED: If this project is not provided the energy conservation measures in support of Net-Zero goals cannot be achieved. The CAB projects will need additional authorization for self-contained units if the energy plant is not built and connected to the facilities. Far less efficient, individual heating/cooling would be used without this project.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Carson, Colorado		
4. PROJECT TITLE Central Energy Plant	5. PROJECT NUMBER 80433	
<p>ADDITIONAL: (CONTINUED)</p> <p>Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		

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1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein				4. PROJECT TITLE Pier		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 151	7. PROJECT NUMBER 59779		8. PROJECT COST (\$000) Auth 62,000 Approp 62,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						47,486
Pier		m/B (FB)	601.98 (	1,975)	68,323	(41,129)
Modernize Storage Facility		m2 (SF)	427.35 (	4,600)	4,833	(2,066)
Gen Purpose Storage Facility		m2 (SF)	585.29 (	6,300)	4,718	(2,761)
EMCS Connection		LS	--		--	(56)
Sustainability/Energy Measures		LS	--		--	(919)
Total from Continuation page						(555)
<u>SUPPORTING FACILITIES</u>						8,238
Electric Service		LS	--		--	(3,014)
Water, Sewer, Gas		LS	--		--	(972)
Site Imp(3,691) Demo(561)		LS	--		--	(4,252)
ESTIMATED CONTRACT COST						55,724
CONTINGENCY (5.00%)						2,786
SUBTOTAL						58,510
SUPV, INSP & OVERHEAD (6.50%)						3,803
TOTAL REQUEST						62,313
TOTAL REQUEST (ROUNDED)						62,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Modernize the existing pier, storage facility and construct a new general purpose storage facility. Pier work will include encapsulating the footprint of the pier with new piling and filling the area within the piling with suitable compacted structural fill material with installation of new decking. Work includes splash zone areas, repairs to existing berths, installation of new anchor rods, repair to pile caps, provide marine fenders, bollards and chocks. Supporting facilities include utility systems supporting the pier (electric, potable water, non-potable water, fire water, sanitary sewer service, lighting, and communications) to include installation of new utility connections appropriate to each berthing location. Demolition and reconstruction of the existing general purpose storage facility with latrines and utility vault. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelop and integrated building systems performance. Demolish 6 buildings (TOTAL 1,721 m2/18,521 SF).						
11. REQ:		602 m/B ADQT:		NONE		SUBSTD: 602 m/B
PROJECT: Modernize Echo Pier at Kwajalein Island, Kwajalein Atoll. (Current Mission)						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Kwajalein Atoll, Kwajalein

4. PROJECT TITLE Pier	5. PROJECT NUMBER 59779
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Antiterrorism Measures	LS	--	--	(460)
Building Information Systems	LS	--	--	(95)
			Total	555

REQUIREMENT: This project is required to upgrade and modernize the pier in support of mission activities at Kwajalein Atoll. This pier is the primary supply point at U.S. Army Kwajalein Atoll (USAKA) providing loading and unloading operations of essential cargo and personnel in support of USAKA's critical mission support activities.

CURRENT SITUATION: The existing pier at U.S. Army Kwajalein Atoll (USAKA) was originally constructed in the early 1940's by the Japanese Imperial Navy during World War II. The present configuration of the pier is the result of a series of alteration and repair projects completed from WWII to the present. These alterations and repairs were accomplished in piecemeal fashion and as a result, different areas of the pier have various as-built conditions and load carrying capacities. In addition, the severe corrosive environmental conditions prevalent at Kwajalein have severely deteriorated the structural components of the pier and further reduced load carrying capacities. A detailed underwater inspection revealed several areas of the pile supported pier in "failing" or "poor" condition, especially in areas supported by steel H-piles that are severely corroded. As a result, a load rating study of the pier was performed by the Honolulu District, Corps of Engineers, which resulted in three primary areas being condemned for any vehicular loads, and a large area of the pier deemed unsuitable to support mobile crane loads during cargo unloading and loading operations. Since the original inspection, additional non-technical dives have identified even more structural components have failed and no vehicle traffic is allowed on Echo Pier in the Charlie, Delta and Echo Berth areas. This severely limits the capacity of the pier to support mission critical operations.

IMPACT IF NOT PROVIDED: If this project is not provided, U.S. Army Kwajalein Atoll (USAKA) will have to continue to rely on Berth Foxtrot as the single berthing point for any cargo operations. Berth Foxtrot is located on the approach arm that leads to the main section of the Echo Pier (containing Charlie, Delta and Echo Berths). The physical size and location of Berth Foxtrot severely restricts the critical supply activities at Kwajalein because only one ship can berth for unloading/loading at any given time. Also, the limited draft at Berth Foxtrot restricts the type and size of ships that can berth at Kwajalein. Without this project Echo Pier and Berth Foxtrot will continue to deteriorate at an accelerated rate, risking a catastrophic failure that could cripple mission operations for USAKA and supported agencies.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE Pier	5. PROJECT NUMBER 59779	
<p>IMPACT IF NOT PROVIDED: (CONTINUED)</p> <p>Further attempts to repair the existing pile supported pier in piecemeal fashion is not considered a viable option due to the demonstrated continual deterioration inherent with that design.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		
<p>Installation Engineer: Phone Number: 805-355-3360</p>		

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1. COMPONENT ARMY		FY 2010 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Belvoir Virginia				4. PROJECT TITLE Road and Access Control Point		
5. PROGRAM ELEMENT		6. CATEGORY CODE 141	7. PROJECT NUMBER 80573		8. PROJECT COST (\$000) Auth 9,500 Approp 9,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						3,847
Access Road/Pavement		m2 (SF)	65,728 (	707,490)	18.62	(1,224)
Vehicle Inspection Canopy		m2 (SF)	289.86 (	3,120)	340.68	(99)
Gatehouse		m2 (SF)	78.04 (	840)	1,856	(145)
Search Building		m2 (SF)	61.32 (	660)	1,649	(101)
Search Area Shelter		m2 (SF)	4.65 (	50)	1,083	(5)
Total from Continuation page						(2,273)
<u>SUPPORTING FACILITIES</u>						4,755
Electric Service		LS	--	--	--	(971)
Water, Sewer, Gas		LS	--	--	--	(298)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(462)
Storm Drainage		LS	--	--	--	(250)
Site Imp(999) Demo()		LS	--	--	--	(999)
Information Systems		LS	--	--	--	(1,745)
Antiterrorism Measures		LS	--	--	--	(30)
ESTIMATED CONTRACT COST						8,602
CONTINGENCY (5.00%)						430
SUBTOTAL						9,032
SUPV, INSP & OVERHEAD (5.70%)						515
TOTAL REQUEST						9,547
TOTAL REQUEST (ROUNDED)						9,500
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct an access road and control point. Project will include a two lane access road, vehicle inspection canopy, gatehouse, search building, search area shelter, guard booth, overwatch station, Truck Inspection Canopy, ID Check Canopy, Passive Vehicle Guardrail and traffic control, installation of intrusion detection systems (IDS), and building information systems. Supporting facilities include electrical service, water and wastewater lines, storm drainage, improvements, removal of asphalt pavement, relocation of communications lines, and information systems. Supporting facilities costs include relocating communications, water, and waste water lines, and an electrical substation. Heating and air conditioning will be provided by stand alone systems. Antiterrorism measures include laminated glazing in reinforced frames and reinforced exterior doors. Sustainable Design and Development (SDD) and Energy Policy Act of 2005 (EPAct05) features will be provided. Access for individuals with disabilities will be provided. Comprehensive building and furnishings related interior design services are required. Air Conditioning (Estimated 53 kW/15 Tons).						
11. REQ:		1,143,597 m2	ADQT:		156,192 m2	SUBSTD: 451,808 m2
PROJECT: Construct access road with access control point at Fort Belvoir, Virginia. (Current Mission)						

1. COMPONENT ARMY	FY 2010 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Belvoir, Virginia

4. PROJECT TITLE Road and Access Control Point	5. PROJECT NUMBER 80573
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Guard Booth	EA	3 --	29,555	(89)
Overwatch Station	m2 (SF)	3.34 (36)	8,838	(30)
Truck Inspection Canopy	m2 (SF)	193.24 (2,080)	388.58	(75)
ID Check Canopy	m2 (SF)	487.55 (5,248)	265.55	(129)
Passive Vehicle Guardrail	m (LF)	1,666 (5,466)	482.51	(804)
Traffic Control	EA	11 --	3,487	(38)
Diesel Generator & Switchgear	EA	1 --	37,831	(38)
Active Vehicle Barrier	EA	4 --	65,022	(260)
Security Fence	m (LF)	1,504 (4,935)	202.56	(305)
Main Entrance Gate & structures	EA	1 --	443,330	(443)
IDS Installation	LS	--	--	(9)
CCTV Installation	LS	--	--	(4)
Sustainability/Energy Measures	LS	--	--	(7)
Building Information Systems	LS	--	--	(42)
			Total	2,273

REQUIREMENT: This project is required to provide safe, force protection compliant, controlled access from Richmond Highway (US Route 1) onto Fort Belvoir North Post. It will provide an access control point (ACP) meeting Department of Defense (DoD) and Army Antiterrorism/force protection standards with sufficient marshalling area and an adequate vehicle inspection station. This project is required to provide a second access onto North Post reducing congestion on Gunston Road and providing alternate access during periods of heightened force protection conditions.

CURRENT SITUATION: The only access from US Route 1 onto to North Post is via Woodlawn Gate (Route 618). The existing ACP is inadequate. Constructed after the September 11, 2001 terrorist attack, the ACP does not meet DoD criteria for an ACP. There is insufficient staging area, the vehicle inspection station is temporary, the guard post is not hardened and there is no overhead cover. The configuration of the ACP places the guard force at risk of being hit by vehicles while performing their force protection duties. To provide sufficient marshalling area, relocation of the vehicle inspection station and control points is required.

IMPACT IF NOT PROVIDED: If this project is not provided, the level of service on U.S. Highway 1 will be such that there will be a slowdown in traffic flow resulting in extreme congestion during peak periods. Antiterrorism/Force Protection will not be provided in accordance with Army Design standards. Control and inspection of vehicles and personnel entering the installation will be inadequate, and military and contract law enforcement personnel will continue to be at risk due to inadequate separation from

1. COMPONENT ARMY	FY 2010 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Belvoir, Virginia		
4. PROJECT TITLE Road and Access Control Point	5. PROJECT NUMBER 80573	
<p>IMPACT IF NOT PROVIDED: (CONTINUED)</p> <p>vehicles and inadequate protective facilities.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		
<p>Installation Engineer: Phone Number: (703) 806-3017</p>		

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION	PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST			
-----	-----	-----	-----			
Alaska	Joint Base Elmendorf-Richardson (USARPAC)					
61731	Modified Record Fire Range	7,900	7,900	C		3
	Subtotal Joint Base Elmendorf-Richardson Part I	\$ 7,900	7,900			
	Fort Wainwright (IMCOM)					7
61681	Modified Record Fire Range	10,400	10,400	C		9
	Subtotal Fort Wainwright Part I	\$ 10,400	10,400			
	* TOTAL MCA FOR Alaska	\$ 18,300	18,300			

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Joint Base Elmendorf-Richardson Alaska				4.PROJECT TITLE Modified Record Fire Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 61731		8.PROJECT COST (\$000) Auth 7,900 Approp 7,900	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						6,764
Modified Record Fire Range		FP	16 --		298,079	(4,769)
Range Operations Control Area		EA	1 --		402,829	(403)
Classroom Building		m2 (SF)	85.47 (920)		4,192	(358)
Operations/Storage Building		m2 (SF)	85.47 (920)		4,165	(356)
Latrine		EA	1 --		201,870	(202)
Total from Continuation page						(676)
<u>SUPPORTING FACILITIES</u>						260
Electric Service		LS	--		--	(88)
Site Imp(159) Demo()		LS	--		--	(159)
Information Systems		LS	--		--	(13)
ESTIMATED CONTRACT COST						7,024
CONTINGENCY (5.00%)						351
SUBTOTAL						7,375
SUPV, INSP & OVERHEAD (6.50%)						479
TOTAL REQUEST						7,854
TOTAL REQUEST (ROUNDED)						7,900
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a standard Modified Record Fire (MRF) Range. Primary facilities include the range, range operations control area, classroom building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, modernize range control tower, special foundations, fire alarm system, and building information systems. Supporting facilities include electric service, site improvements, and information systems. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 14 kW _r /4 Tons).						
11. REQ:		16 FP	ADQT: NONE		SUBSTD:	16 FP
PROJECT: Construct a standard Modified Record Fire Range at Joint Base Elmendorf-Richardson, Alaska. (Current Mission)						
REQUIREMENT: The Modified Record Fire Range is required to provide basic war fighting marksmanship skills for all Soldiers and multiple other Department of Defense (DoD) personnel to prepare for worldwide operations and deployments. The Range is used to train and test Soldiers on the skills necessary to						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base Elmendorf-Richardson, Alaska

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61731
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Bleacher Enclosure	EA	1 --	172,577	(173)
Covered Mess	m2 (SF)	74.32 (800)	2,447	(182)
Ammunition Breakdown Building	m2 (SF)	21.09 (227)	10,338	(218)
Modernize Range Control Tower	EA	1 --	50,000	(50)
Special Foundations	LS	--	--	(39)
Sustainability/Energy Measures	LS	--	--	(14)
			Total	676

REQUIREMENT: (CONTINUED)
detect, identify, engage, and defeat stationary targets for day/night qualification requirements with the M16 and M4 series rifles.

CURRENT SITUATION: Currently Joint Base Elmendorf-Richardson does not have a suitable training area that meets the requirements needed for a standard Modified Record Fire (MRF) Range. The existing Record Fire Range does not have the same configuration or number of targets as a MRF and the existing targetry is obsolete. The mission of combat readiness is hindered due to the lack of existing ranges which can fully support the current doctrine and targetry systems.

IMPACT IF NOT PROVIDED: If this project is not provided, existing ranges cannot adequately meet the training throughput for Army, Air Force, Coast Guard, Army National Guard, and Marine Reserve units that train at Joint Base Elmendorf-Richardson. These units will continue to train under circumstances that will negatively impact the degree of proficiency required for combat.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012																						
3. INSTALLATION AND LOCATION Joint Base Elmendorf-Richardson, Alaska																								
4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61731																							
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr><td>(a) Date Design Started.....</td><td><u>AUG 2010</u></td></tr> <tr><td>(b) Percent Complete As Of January 2012.....</td><td><u>35.00</u></td></tr> <tr><td>(c) Date 35% Designed.....</td><td><u>JAN 2012</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td><u>OCT 2012</u></td></tr> <tr><td>(e) Parametric Cost Estimating Used to Develop Costs</td><td><u>YES</u></td></tr> <tr><td>(f) Type of Design Contract: Design-bid-build</td><td></td></tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: YES</p> <p>(b) Where Most Recently Used: Fort Jackson</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr><td>(a) Production of Plans and Specifications.....</td><td><u>375</u></td></tr> <tr><td>(b) All Other Design Costs.....</td><td><u>205</u></td></tr> <tr><td>(c) Total Design Cost.....</td><td><u>580</u></td></tr> <tr><td>(d) Contract.....</td><td><u>375</u></td></tr> <tr><td>(e) In-house.....</td><td><u>205</u></td></tr> </table> <p>(4) Construction Contract Award..... <u>JAN 2013</u></p> <p>(5) Construction Start..... <u>APR 2013</u></p> <p>(6) Construction Completion..... <u>OCT 2014</u></p>			(a) Date Design Started.....	<u>AUG 2010</u>	(b) Percent Complete As Of January 2012.....	<u>35.00</u>	(c) Date 35% Designed.....	<u>JAN 2012</u>	(d) Date Design Complete.....	<u>OCT 2012</u>	(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>	(f) Type of Design Contract: Design-bid-build		(a) Production of Plans and Specifications.....	<u>375</u>	(b) All Other Design Costs.....	<u>205</u>	(c) Total Design Cost.....	<u>580</u>	(d) Contract.....	<u>375</u>	(e) In-house.....	<u>205</u>
(a) Date Design Started.....	<u>AUG 2010</u>																							
(b) Percent Complete As Of January 2012.....	<u>35.00</u>																							
(c) Date 35% Designed.....	<u>JAN 2012</u>																							
(d) Date Design Complete.....	<u>OCT 2012</u>																							
(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>																							
(f) Type of Design Contract: Design-bid-build																								
(a) Production of Plans and Specifications.....	<u>375</u>																							
(b) All Other Design Costs.....	<u>205</u>																							
(c) Total Design Cost.....	<u>580</u>																							
(d) Contract.....	<u>375</u>																							
(e) In-house.....	<u>205</u>																							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base Elmendorf-Richardson, Alaska

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61731
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 907-384-3000

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Wainwright Alaska			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.89	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	831	5597	1089	0	0	0	10 115 1898 9,540
B. END FY 2017	776	5486	1153	0	0	0	10 115 1899 9,439
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	648,830 ha		(1,603,289 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							5,110,906
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,045,658
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							10,400
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							104,000
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							1,114,998
H. GRAND TOTAL.....							7,385,962
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
178	61681	Modified Record Fire Range		10,400	08/2010	10/2012	
				TOTAL	10,400		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM:							
141	Aviation Battalion Complex			46,000			
211	Aviation Storage Hangar			58,000			
				TOTAL	104,000		
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Fort Wainwright garrisons elements of the 172nd Infantry Brigade and supporting organizations. It also provides on-post Army family housing for approximately 1860 families. Support includes training ranges and maneuver areas on post and at the Donnelly Training Area.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Wainwright, Alaska

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Wainwright Alaska				4.PROJECT TITLE Modified Record Fire Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 61681		8.PROJECT COST (\$000) Auth 10,400 Approp 10,400	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						8,373
Modified Record Fire Range		FP	16 --		416,328	(6,661)
Range Operations Control Area		EA	1 --		490,928	(491)
Operations/Storage Building		m2 (SF)	86.31 (929)		4,951	(427)
Bleacher Enclosure		EA	1 --		212,748	(213)
Covered Mess		m2 (SF)	74.32 (800)		2,770	(206)
Total from Continuation page						(375)
<u>SUPPORTING FACILITIES</u>						844
Electric Service		LS	--		--	(322)
Site Imp(423) Demo()		LS	--		--	(423)
Information Systems		LS	--		--	(99)
ESTIMATED CONTRACT COST						9,217
CONTINGENCY (5.00%)						461
SUBTOTAL						9,678
SUPV, INSP & OVERHEAD (6.50%)						629
TOTAL REQUEST						10,307
TOTAL REQUEST (ROUNDED)						10,400
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a standard design Modified Record Fire (MRF) Range. Primary facilities include the MRF range, range operations control area, operations/ storage building, bleacher enclosure, covered mess, ammunition breakdown building, modernize range control tower, special foundations, fire alarm system, and building information systems. Supporting facilities include electric service, site improvements, and information systems. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 14 kW _r /4 Tons).						
11. REQ:		16 FP	ADQT: NONE		SUBSTD:	16 FP
PROJECT: Construct a modified standard design automated Modified Record Fire (MRF) Range at Fort Wainwright, Alaska. (Current Mission)						
REQUIREMENT: This Modified Record Fire (MRF) Range is required to provide basic war fighting marksmanship skills for all Soldiers and multiple other Department of Defense (DoD) personnel stationed at Fort Wainwright to prepare for worldwide operations and deployments. The MRF Range is used to train and						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Wainwright, Alaska

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61681
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Ammunition Breakdown Building	m2 (SF)	21.09 (227)	11,710	(247)
Modernize Range Control Tower	EA	1 --	50,000	(50)
Special Foundations	LS	--	--	(65)
Sustainability/Energy Measures	LS	--	--	(13)
			Total	375

REQUIREMENT: (CONTINUED)

test Soldiers in the skills necessary to detect, identify, engage, and defeat stationary targets in a tactical array. This complex satisfies the training and qualification requirements of the M4/16 weapons.

CURRENT SITUATION: Fort Wainwright does not have a suitable training area that meets the requirements. The existing M-16 Qualification Range was built in 1983 and does not have the automated scoring currently required and the existing targetry wiring is deteriorated.

IMPACT IF NOT PROVIDED: If this project is not provided, the mission of combat readiness will be hindered due to the lack of existing ranges which can fully support the current doctrine and targetry systems. Units will continue to train under circumstances that will negatively impact the degree of proficiency required for combat.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... AUG 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012

1.COMONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
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3.INSTALLATION AND LOCATION

Fort Wainwright, Alaska

4.PROJECT TITLE Modified Record Fire Range	5.PROJECT NUMBER 61681
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12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build
- (2) Basis:
- (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Jackson
- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- | | |
|---|------------|
| (a) Production of Plans and Specifications..... | <u>550</u> |
| (b) All Other Design Costs..... | <u>220</u> |
| (c) Total Design Cost..... | <u>770</u> |
| (d) Contract..... | <u>550</u> |
| (e) In-house..... | <u>220</u> |
- (4) Construction Contract Award..... JAN 2013
- (5) Construction Start..... APR 2013
- (6) Construction Completion..... OCT 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
NA			

Installation Engineer:
Phone Number: 907-361-7287

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST		-----
California	Military Ocean Terminal Concord (AMC)				15
76086	Lightning Protection System	5,800	5,800	C	17
76091	Engineering/Housing Maintenance Shop	3,100	3,100	C	20
	Subtotal Military Ocean Terminal Concord Part I\$	8,900	8,900		
	* TOTAL MCA FOR California	\$ 8,900	8,900		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012			
3. INSTALLATION AND LOCATION Mil Ocean Terminal Concord California			4. COMMAND US Army Material Command			5. AREA CONSTRUCTION COST INDEX 1.25				
6. PERSONNEL STRENGTH:										
	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	4	3	36	0	0	0	0	0	0	43
B. END FY 2017	4	3	88	0	0	0	0	0	0	95
7. INVENTORY DATA (\$000)										
A. TOTAL AREA.....			2,469 ha			(6,100 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							543,873			
C. AUTHORIZATION NOT YET IN INVENTORY.....							0			
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							8,900			
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0			
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0			
G. REMAINING DEFICIENCY.....							100			
H. GRAND TOTAL.....							552,873			
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:										
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS				
CODE	NUMBER			(\$000)		START	COMPLETE			
219	76091	Engineering/Housing Maintenance Shop		3,100		02/2012	11/2012			
892	76086	Lightning Protection System		5,800		12/2011	10/2012			
				TOTAL		8,900				
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY		PROJECT TITLE		COST						
CODE					(\$000)					
A. INCLUDED IN THE FY 2014 PROGRAM: NONE										
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A						
10. MISSION OR MAJOR FUNCTIONS:										
Conduct full-spectrum terminal operations in the California geographic area of responsibility to safely and seamlessly deliver materiel and personnel in order to allow U.S. and Allied Forces to accomplish our Nation's objective.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
						(\$000)				
A. AIR POLLUTION						0				

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Mil Ocean Terminal Concord, California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)

(\$000)

B. WATER POLLUTION

0

C. OCCUPATIONAL SAFETY AND HEALTH

0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Military Ocean Terminal Concord California				4.PROJECT TITLE Lightning Protection System		
5.PROGRAM ELEMENT 72896A		6.CATEGORY CODE 892	7.PROJECT NUMBER 76086		8.PROJECT COST (\$000) Auth 5,800 Approp 5,800	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						5,070
Lightning Protection Systems		EA	2 --		2419213	(4,838)
Exterior Lighting		m (LF)	1,158 (3,800)		200.39	(232)
<u>SUPPORTING FACILITIES</u>						114
Electric Service		LS	--		--	(114)
ESTIMATED CONTRACT COST						5,184
CONTINGENCY (5.00%)						259
SUBTOTAL						5,443
SUPV, INSP & OVERHEAD (5.70%)						310
TOTAL REQUEST						5,753
TOTAL REQUEST (ROUNDED)						5,800
INSTALLED EQT-OTHER APPROP						(0)
10.Description of Proposed Construction Provide lightning protection systems at classification yards. Each system will have a stand alone installation of poles and catenary lightning protection systems with ground loops. Exterior security lighting will also be provided.						
11. REQ: 2 EA ADQT: NONE SUBSTD: NONE						
PROJECT: Provide lightning protection system at Military Ocean Terminal, Concord (MOTCO), California. (Current Mission)						
REQUIREMENT: Military Ocean Terminal Concord (MOTCO) is the primary Department of Defense (DoD) West Coast port for the shipment of containerized munitions during contingency operations. Safety standards require lightning protection systems for facilities handling explosives. Lightning Protection Systems (LPS) are required to ensure the safety of personnel involved in ammunition operations.						
CURRENT SITUATION: There are no lightning protection systems at classification yards. Exterior security lighting is also lacking in these same areas. Due to the nature of this requirement, there are no alternative facilities, on or off the installation or at nearby installations, that could be used to satisfy this requirement.						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Military Ocean Terminal Concord, California

4. PROJECT TITLE Lightning Protection System	5. PROJECT NUMBER 76086
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IMPACT IF NOT PROVIDED: The lack of a lightning protection system may increase risk of serious injuries to personnel and damage to critical infrastructure, or MOTCO will not be able to achieve or sustain the level of munitions throughput required to support a national defense emergency. This would severely impact the mission of MOTCO as the West Coast Port for shipment of containerized munitions during contingency situations.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... DEC 2011
 - (b) Percent Complete As Of January 2012..... 5.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs NO
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 268
 - (b) All Other Design Costs..... 214
 - (c) Total Design Cost..... 482
 - (d) Contract..... 268
 - (e) In-house..... 214

- (4) Construction Contract Award..... MAY 2013

- (5) Construction Start..... JUL 2013

- (6) Construction Completion..... SEP 2013

1.COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
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3.INSTALLATION AND LOCATION

Military Ocean Terminal Concord, California

4.PROJECT TITLE Lightning Protection System	5.PROJECT NUMBER 76086
--	-------------------------------

12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NONE			

Installation Engineer:
Phone Number: 925-246-4154

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Military Ocean Terminal Concord California			4. PROJECT TITLE Engineering/Housing Maintenance Shop		
5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 219	7. PROJECT NUMBER 76091	8. PROJECT COST (\$000) Auth 3,100 Approp 3,100		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY		COST (\$000)
<u>PRIMARY FACILITY</u>					2,317
Engineer Maintenance Facility		m2 (SF)	836.13 (	9,000)	2,583 (2,160)
IDS Installation		LS	--	--	(10)
EMCS Connection		LS	--	--	(12)
Sustainability/Energy Measures		LS	--	--	(65)
Antiterrorism Measures		LS	--	--	(40)
Building Information Systems		LS	--	--	(30)
<u>SUPPORTING FACILITIES</u>					464
Electric Service		LS	--	--	(50)
Water, Sewer, Gas		LS	--	--	(47)
Paving, Walks, Curbs & Gutters		LS	--	--	(60)
Storm Drainage		LS	--	--	(30)
Site Imp(50) Demo(95)		LS	--	--	(145)
Information Systems		LS	--	--	(95)
Antiterrorism Measures		LS	--	--	(37)
ESTIMATED CONTRACT COST					2,781
CONTINGENCY (5.00%)					139
SUBTOTAL					2,920
SUPV, INSP & OVERHEAD (5.70%)					166
TOTAL REQUEST					3,086
TOTAL REQUEST (ROUNDED)					3,100
INSTALLED EQT-OTHER APPROP					()
10. Description of Proposed Construction Construct an Engineering/Housing Maintenance Shop. Primary facilities include shop space, parts storage, open administrative office space, conference room, copy/printing area, file/storage area, break room, restrooms and equipment storage. Primary facility also includes Energy Monitoring and Control System (EMCS)connections, Intrusion Detection System (IDS) installation, and building information systems. The facility will be designed to meet current seismic Zone 4 requirements. Sustainable design and energy and measures will be included. Supporting facilities will include site and building utility connections (water, sanitary and storm sewers, electrical, telephone, and local area network). Paving and site improvements include exterior lighting, parking and sidewalks. Measures in accordance with the Department of Defense (DoD) Comprehensive building and furnishings related to interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 2 buildings (TOTAL 1,358 m2/14,617 SF). Air Conditioning (Estimated 30 kW/9 Tons).					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Military Ocean Terminal Concord, California		
4. PROJECT TITLE Engineering/Housing Maintenance Shop	5. PROJECT NUMBER 76091	
<p>11. REQ: 836 m2 ADQT: NONE SUBSTD: 1,787 m2</p> <p><u>PROJECT:</u> Construct an Engineering/Housing Maintenance Shop at Military Ocean Terminal, Concord (MOTCO), California. (Current Mission)</p> <p><u>REQUIREMENT:</u> Adequate space is required for MOTCO personnel to perform facilities maintenance functions in a safe working environment outside the explosive safety quantity distance (ESQD) arcs that cover most of the installation. MOTCO is one of only two Department of Defense (DoD) common user terminals on the West Coast with the capability to handle both containerized and break-bulk munitions. Indian Island is also a DoD common user terminal on the West Coast capable of handling breakbulk and containerized ammunition. The explosive handling capacity available at MOTCO is vital for the trans-shipment of munitions for US Forces abroad.</p> <p><u>CURRENT SITUATION:</u> Current facility maintenance activities take place in aged and dilapidated buildings within the explosive safety quantity distance (ESQD) arc. These operations take place under a safety exemption. The exemption allows critical national security operations to continue, but puts personnel at the port at higher risk. Facilities maintenance work occurs primarily in an antiquated building built in 1916 with equipment and parts storage located in several other buildings and in some cases stored outside, also within the ESDQ arc. There is physical separation between facilities and ground maintenance workers. The grounds maintenance workers are temporarily housed in a building located within the land area that was declared Navy excess in the 2005 Base Realignment and Closure actions and is in the process of being turned over to the community for reuse.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Facilities maintenance operations are required for MOTCO to continue to meet its mission requirements for trans-shipment of munitions for US Forces abroad. If this project is not provided these maintenance operations will continue to take place under an exemption and within ESQD arcs. The exemption allows critical national security operations to continue, but puts maintenance personnel at higher risk. This work will continue to take place in antiquated buildings built between 1916 and 1943. This project is the corrective action required to alleviate known safety risks.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Military Ocean Terminal Concord, California

4. PROJECT TITLE Engineering/Housing Maintenance Shop	5. PROJECT NUMBER 76091
--	--------------------------------

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... FEB 2012
 - (b) Percent Complete As Of January 2012..... .00
 - (c) Date 35% Designed..... JUN 2012
 - (d) Date Design Complete..... NOV 2012
 - (e) Parametric Cost Estimating Used to Develop Costs NO
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 142
 - (b) All Other Design Costs..... 114
 - (c) Total Design Cost..... 256
 - (d) Contract..... 142
 - (e) In-house..... 114

- (4) Construction Contract Award..... JUN 2013
- (5) Construction Start..... AUG 2013
- (6) Construction Completion..... NOV 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
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NA

Installation Engineer:
Phone Number: (925) 246-4154

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/	AUTHORIZATION	APPROPRIATION	CURRENT	MISSION	PAGE
----- PROJECT	-----		REQUEST	REQUEST			
NUMBER	PROJECT TITLE		-----	-----			
-----	-----		-----	-----			
Colorado	Fort Carson (IMCOM)						25
59626	Digital Multipurpose Training Range		18,000	18,000	C		27
			-----	-----			
	Subtotal Fort Carson Part I		\$ 18,000	18,000			
	* TOTAL MCA FOR Colorado		\$ 18,000	18,000			

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Carson Colorado	4. COMMAND US Army Installation Management Command	5. AREA CONSTRUCTION COST INDEX 1.07
6. PERSONNEL STRENGTH:		
	PERMANENT	STUDENTS
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL
	SUPPORTED	TOTAL
A. AS OF 30 NOV 2011	2853 21526 2349	8 113 0
B. END FY 2017	3248 22468 2619	8 142 0
	232 1295 3418	232 1295 3412
		31,794
		33,424
7. INVENTORY DATA (\$000)		
A. TOTAL AREA.....	151,075 ha	(373,313 AC)
B. INVENTORY TOTAL AS OF 12 JAN 2012.....		5,242,064
C. AUTHORIZATION NOT YET IN INVENTORY.....		1,660,839
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....		18,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....		229,000
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....		0
G. REMAINING DEFICIENCY.....		963,179
H. GRAND TOTAL.....		8,113,082
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:		
CATEGORY PROJECT	PROJECT TITLE	COST DESIGN STATUS
CODE NUMBER		(\$000) START COMPLETE
178 59626	Digital Multipurpose Training Range	18,000 09/2010 10/2012
	TOTAL	18,000
9. FUTURE PROJECT APPROPRIATIONS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 2014 PROGRAM:		
141	Headquarters Building	40,000
211	Aircraft Maintenance Hangar	80,000
211	Aircraft Maintenance Hangar	65,000
111	Runway	19,000
932	Infrastructure	25,000
	TOTAL	229,000
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE		
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A		
10. MISSION OR MAJOR FUNCTIONS:		
Provide the nation's Armed Forces with a sustaining base and a power projection platform, in support of National Security Objectives. Major functions include: support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Carson, Colorado

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Carson Colorado				4.PROJECT TITLE Digital Multipurpose Training Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 59626		8.PROJECT COST (\$000) Auth 18,000 Approp 18,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						15,501
Digital Multipurpose Trng Range		LN	1	--	7721560	(7,722)
Downrange Site Preparation		EA	1	--	4654399	(4,654)
Range Operations Control Area		EA	1	--	283,599	(284)
Range Control Tower, Digital		EA	1	--	841,096	(841)
After Action Review Building		m2 (SF)	286.51	(3,084)	2,302	(659)
Total from Continuation page						(1,341)
<u>SUPPORTING FACILITIES</u>						522
Electric Service		LS	--	--	--	(77)
Water, Sewer, Gas		LS	--	--	--	(135)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(34)
Storm Drainage		LS	--	--	--	(10)
Site Imp(190) Demo(1)		LS	--	--	--	(191)
Information Systems		LS	--	--	--	(75)
ESTIMATED CONTRACT COST						16,023
CONTINGENCY (5.00%)						801
SUBTOTAL						16,824
SUPV, INSP & OVERHEAD (5.70%)						959
TOTAL REQUEST						17,783
TOTAL REQUEST (ROUNDED)						18,000
INSTALLED EQT-OTHER APPROP						(13,046)
10.Description of Proposed Construction Construct a standard Digital Multipurpose Training Range (DMPTR). Primary facilities include the DMPTR, downrange site preparation, range operations control area, range control tower (digital), after action review building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition loading dock, vehicle instrumentation dock, bivouac area, unit staging area, and building information systems. Supporting facilities include electric service; water, sewer and gas; paving, walks, curbs and gutters; storm drainage; site improvements; and information systems. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 1 building (TOTAL 19 m2/200 SF). Air Conditioning (Estimated 53 kWr/15 Tons).						
11. REQ:		1 LN	ADQT:		NONE	SUBSTD: 1 LN
PROJECT: Construct a standard design Digital Multipurpose Training Range (DMPTR) at Fort Carson, Colorado. (Current Mission)						

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		06 FEB 2012

3. INSTALLATION AND LOCATION
Fort Carson, Colorado

4. PROJECT TITLE	5. PROJECT NUMBER
Digital Multipurpose Training Range	59626

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Operations/Storage Building	m2 (SF)	170.57 (1,836)	2,566	(438)
Latrine	m2 (SF)	51.10 (550)	5,913	(302)
Bleacher Enclosure	EA	1 --	103,987	(104)
Covered Mess	m2 (SF)	74.32 (800)	1,476	(110)
Ammunition Loading Dock	EA	1 --	53,529	(54)
Vehicle Instrumentation Dock	EA	1 --	104,049	(104)
Bivouac Area	EA	1 --	33,318	(33)
Unit Staging Area	EA	1 --	156,524	(157)
Sustainability/Energy Measures	LS	--	--	(39)
			Total	1,341

REQUIREMENT: The Digital Multipurpose Training Range is required to provide digitally enhanced combat platforms with all constituent elements that train Soldiers at Fort Carson, Colorado. The DMPTR is used to train and test crews and dismounted infantry squads on the skills necessary to detect, identify, engage and defeat stationary infantry and stationary/moving armor targets in a tactical array.

CURRENT SITUATION: Existing ranges do not support the advanced weapons and command and control systems being fielded by the digitized force. They are not capable of processing digital information and situational feedback or reports to firing vehicles and units. Existing range dimensions do not support increased vehicle dispersion and greater ballistics associated with digital units. The Army's new combat and training doctrine requires digital weaponry and feedback systems.

IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will not be able to fully exercise digital war fighting technology. Soldiers will not receive complete exposure to training standards resulting in an adverse impact to sustained weapons proficiency.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Carson, Colorado

4. PROJECT TITLE Digital Multipurpose Training Range	5. PROJECT NUMBER 59626
---	--------------------------------

ADDITIONAL: (CONTINUED)
laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... SEP 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Bliss

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 925
 - (b) All Other Design Costs..... 675
 - (c) Total Design Cost..... 1,600
 - (d) Contract..... 1,200
 - (e) In-house..... 400

 - (4) Construction Contract Award..... JAN 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... OCT 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Carson, Colorado

4. PROJECT TITLE Digital Multipurpose Training Range	5. PROJECT NUMBER 59626
---	--------------------------------

12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment	OPA	2014	2,999
Target Equipment	OPA	2014	9,997
Info Sys - ISC	OPA	2014	50
TOTAL			13,046

Installation Engineer:
Phone Number: 719-526-3415

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/	
----- PROJECT	-----	AUTHORIZATION APPROPRIATION CURRENT	
NUMBER	PROJECT TITLE	REQUEST REQUEST MISSION	PAGE
-----	-----	-----	-----
District of Columbia	Fort McNair (IMCOM)		33
78054	Vehicle Storage Building, Installation	7,200 7,200 C	35
	Subtotal Fort McNair Part I	\$ 7,200 7,200	
	* TOTAL MCA FOR District of Columbia	\$ 7,200 7,200	

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012																																										
3. INSTALLATION AND LOCATION Fort McNair District of Columbia	4. COMMAND US Army Installation Management Command	5. AREA CONSTRUCTION COST INDEX 1.02																																										
6. PERSONNEL STRENGTH: <table style="width:100%; border:none;"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th rowspan="2">TOTAL</th> </tr> <tr> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> </tr> </thead> <tbody> <tr> <td>A. AS OF 30 NOV 2011</td> <td>106</td> <td>74</td> <td>246</td> <td>484</td> <td>0</td> <td>265</td> <td>113</td> <td>25</td> <td>533</td> <td>1,846</td> </tr> <tr> <td>B. END FY 2017</td> <td>106</td> <td>76</td> <td>249</td> <td>383</td> <td>0</td> <td>90</td> <td>113</td> <td>25</td> <td>533</td> <td>1,575</td> </tr> </tbody> </table>				PERMANENT			STUDENTS			SUPPORTED			TOTAL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	A. AS OF 30 NOV 2011	106	74	246	484	0	265	113	25	533	1,846	B. END FY 2017	106	76	249	383	0	90	113	25	533	1,575
	PERMANENT			STUDENTS			SUPPORTED			TOTAL																																		
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7. INVENTORY DATA (\$000) <table style="width:100%; border:none;"> <tbody> <tr> <td>A. TOTAL AREA.....</td> <td style="text-align:center;">43 ha</td> <td style="text-align:center;">(107 AC)</td> <td></td> </tr> <tr> <td>B. INVENTORY TOTAL AS OF 12 JAN 2012.....</td> <td></td> <td></td> <td style="text-align:right;">1,433,028</td> </tr> <tr> <td>C. AUTHORIZATION NOT YET IN INVENTORY.....</td> <td></td> <td></td> <td style="text-align:right;">19,750</td> </tr> <tr> <td>D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....</td> <td></td> <td></td> <td style="text-align:right;">7,200</td> </tr> <tr> <td>E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....</td> <td></td> <td></td> <td style="text-align:right;">0</td> </tr> <tr> <td>F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....</td> <td></td> <td></td> <td style="text-align:right;">0</td> </tr> <tr> <td>G. REMAINING DEFICIENCY.....</td> <td></td> <td></td> <td style="text-align:right;">63,886</td> </tr> <tr> <td>H. GRAND TOTAL.....</td> <td></td> <td></td> <td style="text-align:right;">1,523,864</td> </tr> </tbody> </table>			A. TOTAL AREA.....	43 ha	(107 AC)		B. INVENTORY TOTAL AS OF 12 JAN 2012.....			1,433,028	C. AUTHORIZATION NOT YET IN INVENTORY.....			19,750	D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....			7,200	E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....			0	F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....			0	G. REMAINING DEFICIENCY.....			63,886	H. GRAND TOTAL.....			1,523,864										
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H. GRAND TOTAL.....			1,523,864																																									
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM: <table style="width:100%; border:none;"> <thead> <tr> <th>CATEGORY</th> <th>PROJECT</th> <th></th> <th>COST</th> <th colspan="2">DESIGN STATUS</th> </tr> <tr> <th>CODE</th> <th>NUMBER</th> <th>PROJECT TITLE</th> <th>(\$000)</th> <th>START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>442</td> <td>78054</td> <td>Vehicle Storage Building, Installation</td> <td style="text-align:right;">7,200</td> <td>12/2011</td> <td>10/2012</td> </tr> <tr> <td colspan="3" style="text-align:right;">TOTAL</td> <td style="text-align:right;">7,200</td> <td></td> <td></td> </tr> </tbody> </table>			CATEGORY	PROJECT		COST	DESIGN STATUS		CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE	442	78054	Vehicle Storage Building, Installation	7,200	12/2011	10/2012	TOTAL			7,200																				
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C.	DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):	N/A																																										
10. MISSION OR MAJOR FUNCTIONS: <p>Military District of Washington Headquarters. Provide housing services and other facilities to quarter general and flag officers of the Department of Defense and to provide administrative and/or logistical support as assigned by the Commanding General, Military District of Washington. The National Defense University consisting of the National War College and Industrial College of the Armed Forces and Inter-American Defense College are located at this installation.</p>																																												

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort McNair, District of Columbia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort McNair District of Columbia				4.PROJECT TITLE Vehicle Storage Building, Installation		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 442	7.PROJECT NUMBER 78054		8.PROJECT COST (\$000) Auth 7,200 Approp 7,200	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>					5,322	
Vehicle Storage Facility		m2 (SF)	1,133 (12,200)	2,241	(2,540)	
Bldg 18 w/SCIF Renovation		m2 (SF)	981.61 (10,566)	922.89	(906)	
Building 37 & 33 Renovations		m2 (SF)	464.52 (5,000)	951.13	(442)	
Guard Booth/Secured Gate		EA	1 --	145,854	(146)	
Special Foundation		LS	--	--	(692)	
Total from Continuation page					(596)	
<u>SUPPORTING FACILITIES</u>					1,124	
Electric Service		LS	--	--	(191)	
Water, Sewer, Gas		LS	--	--	(81)	
Paving, Walks, Curbs & Gutters		LS	--	--	(155)	
Storm Drainage		LS	--	--	(256)	
Site Imp(212) Demo()		LS	--	--	(212)	
Information Systems		LS	--	--	(229)	
ESTIMATED CONTRACT COST					6,446	
CONTINGENCY (5.00%)					322	
SUBTOTAL					6,768	
SUPV, INSP & OVERHEAD (5.70%)					386	
TOTAL REQUEST					7,154	
TOTAL REQUEST (ROUNDED)					7,200	
INSTALLED EQT-OTHER APPROP					(1,433)	
10.Description of Proposed Construction Construct Vehicle Storage Building with the capacity to store 30 vehicles and personnel passageway connection to Building 18. Primary facilities will include special foundations, fire protection and alarm systems, building information systems, Intrusion Detection System (IDS) installation, and Energy Monitoring and Control System (EMCS) connection. Construct a sensitive compartmentalized information facility (SCIF) with secure VTC capability in the operations facility. Renovate buildings 37 and 33 to provide enclosed vehicle wash rack with oil/water separator, vehicle maintenance bay, and administrative space. Building renovations include cipher locks and installation of automatic overhead doors. Provide guard booth and vehicle gate. Sustainability/Energy measures will be provided. Supporting facilities include utilities (electric, water, and natural gas services), parking, paving, curbs, walks and gutters; storm drainage; information systems; special soils removal; site improvements and landscaping. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Heating and air conditioning will be provided by self-contained systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort McNair, District of Columbia

4. PROJECT TITLE Vehicle Storage Building, Installation	5. PROJECT NUMBER 78054
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
IDS Installation	LS	--	--	(98)
EMCS Connection	LS	--	--	(10)
Sustainability/Energy Measures	LS	--	--	(159)
Antiterrorism Measures	LS	--	--	(115)
Building Information Systems	LS	--	--	(214)
			Total	596

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)
performance. Comprehensive building and furnishings related to interior design services are required. Access for individuals with disabilities will be provided. Air Conditioning (Estimated 21 kW/6 Tons).

11. REQ: 1,133 m2 ADQT: NONE SUBSTD: NONE
PROJECT: Construct a vehicle storage facility to support the US Army Transportation Agency (USATA) at Fort McNair, Washington, D.C. (Current Mission)

REQUIREMENT: This project is required to provide adequate facilities to accommodate relocation of the US Army Transportation Agency (USATA) motor pool operation from leased space in downtown Washington, DC to Fort McNair, DC. Relocation to Fort McNair will significantly improve force protection and security, provide a more economical alternative to the use of leased space and provide an acceptable solution to the inability to renew the existing lease when it expires in 2015. Adequate facilities are required to accommodate 30 vehicles assigned to the USATA, an Army Component under the Military District of Washington (MDW).

CURRENT SITUATION: Currently housed in leased space on 22nd Street NW in Washington, DC, the USATA operates in a former car dealership. The facility is in a congested location on a highly traveled city street, with a high occupancy hotel facility opposing it on the same street. This is a facility that has been in operation since the Eisenhower administration. The lease expiration date is 31 Dec 2015, and it is unlikely that the current owner will entertain a continuance of the lease. This building has no secure perimeter. Currently the building stands less than 5 feet from the nearest traveled way and is immediately adjacent to pedestrian travel areas. Additionally, there are no progressive collapse criteria known to have been followed in the design and construction of this facility. Given that there is not a proper access control point, movements to and from this facility are easily monitored, increasing vulnerability to external threats.

IMPACT IF NOT PROVIDED: If this project is not provided, expiration of the existing lease on 31 Dec 2015 will require relocation of the motor pool

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
--------------------------	--	----------------------------

3. INSTALLATION AND LOCATION

Fort McNair, District of Columbia

4. PROJECT TITLE Vehicle Storage Building, Installation	5. PROJECT NUMBER 78054
--	--------------------------------

IMPACT IF NOT PROVIDED: (CONTINUED)
operation to alternate leased facilities. Continuing use of leased assets will not only pose continued security and force protection risks to assigned Soldiers and vehicles but is the least economically viable alternative. Furthermore, the limitations of this facility are compounded by the national security risk posed by this location given that these vehicles have the potential to transport key senior leaders of the US Government. Infiltration and/or threats posed to this location have the secondary and tertiary effect of putting these leaders in jeopardy. Some of these occupants may be in the direct line of succession.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Date Design Started.....	DEC 2011
(b) Percent Complete As Of January 2012.....	5.00
(c) Date 35% Designed.....	APR 2012
(d) Date Design Complete.....	OCT 2012
(e) Parametric Cost Estimating Used to Develop Costs	NO
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design:	NO
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	299
(b) All Other Design Costs.....	239
(c) Total Design Cost.....	538
(d) Contract.....	299
(e) In-house.....	239
(4) Construction Contract Award.....	
	APR 2013

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
Fort McNair, District of Columbia

4. PROJECT TITLE Vehicle Storage Building, Installation	5. PROJECT NUMBER 78054
--	----------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

- (5) Construction Start..... JUN 2013
- (6) Construction Completion..... OCT 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Emergency Generator	OPA	2014	196
UPS	OPA	2014	65
IDS/CCTV	OPA	2014	81
Equipment	OPA	2014	999
Info Sys - ISC	OPA	2014	92
		TOTAL	<u>1,433</u>

Installation Engineer:
Phone Number: (703) 696-1224

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Georgia	Fort Benning (IMCOM)				41
77416	Ground Source Heat Transfer System	16,000	16,000	C	43
	Subtotal Fort Benning Part I	\$ 16,000	16,000		
	Fort Gordon (IMCOM)				47
61498	Modified Record Fire Range	4,000	4,000	C	49
67017	Multipurpose Machine Gun Range	7,100	7,100	C	52
77419	Ground Source Heat Transfer System	12,200	12,200	C	56
	Subtotal Fort Gordon Part I	\$ 23,300	23,300		
	Fort Stewart (IMCOM)				59
57794	Digital Multipurpose Training Range	22,000	22,000	C	61
67019	Automated Combat Pistol Qual Crse	3,650	3,650	C	65
73008	Unmanned Aerial Vehicle Complex	24,000	24,000	C	69
	Subtotal Fort Stewart Part I	\$ 49,650	49,650		
	* TOTAL MCA FOR Georgia	\$ 88,950	88,950		

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1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROGRAM					2. DATE 06 FEB 2012				
3. INSTALLATION AND LOCATION Fort Benning Georgia			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.94					
6. PERSONNEL STRENGTH:											
		PERMANENT			STUDENTS			SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011		1868	12012	4245	2156	19586	0	68	549	7741	48,225
B. END FY 2017		1882	12056	4124	2147	18352	0	66	575	7260	46,462
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		74,630 ha			(184,413 AC)						
B. INVENTORY TOTAL AS OF 12 JAN 2012.....											7,195,774
C. AUTHORIZATION NOT YET IN INVENTORY.....											1,322,595
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....											16,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....											0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....											0
G. REMAINING DEFICIENCY.....											3,569,606
H. GRAND TOTAL.....											12,103,975
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:											
CATEGORY PROJECT							COST	DESIGN STATUS			
CODE	NUMBER	PROJECT TITLE					(\$000)	START	COMPLETE		
826	77416	Ground Source Heat Transfer System					16,000	01/2011	10/2012		
						TOTAL	16,000				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE					(\$000)					
A. INCLUDED IN THE FY 2014 PROGRAM:		NONE									
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):		NONE									
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
<p>Provide the nation with the world's best trained Infantry and Armor Soldiers and adaptive leaders imbued with the Warrior Ethos; provide training capabilities and a Power Projection Platform capable of deploying, redeploying, and resetting Soldiers, civilians, and units anywhere in the world on short notice; and define required capabilities for Infantry and Armor to meet the needs of the Future Force. Provide support for the US Army Maneuver Center of Excellence (MCoE), which includes the Infantry, Armor, and MCoE NCO Schools; for major combat and combat support forces; for Martin Army Hospital and medical clinics; for tenant and satellite activities and units, and for Reserve Components Training. Installation provides essential public safety and security services; sound stewardship of installation resources and the environment; services and programs to enable readiness; execute community and family support services and programs; and maintenance and improvements to the installation infrastructure.</p>											

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Benning, Georgia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Benning Georgia				4.PROJECT TITLE Ground Source Heat Transfer System		
5.PROGRAM ELEMENT 85796A		6.CATEGORY CODE 826	7.PROJECT NUMBER 77416		8.PROJECT COST (\$000) Auth 16,000 Approp 16,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						10,477
Ground-Source Heat Transfer Sys		kWr (TN)	4,516 (	1,284)	1,876	(8,473)
Pump House/Mechanical Rooms		m2 (SF)	473.81 (	5,100)	2,150	(1,019)
Running Track Relocation		EA	2 --		317,740	(635)
Training Pit w/Equip Relocation		EA	3 --		86,625	(260)
EMCS Connection		LS	--		--	(70)
Building Information Systems		LS	--		--	(20)
<u>SUPPORTING FACILITIES</u>						3,764
Electric Service		LS	--		--	(502)
Water, Sewer, Gas		LS	--		--	(178)
Steam And/Or Chilled Water Dist		LS	--		--	(1,888)
Paving, Walks, Curbs & Gutters		LS	--		--	(521)
Storm Drainage		LS	--		--	(31)
Site Imp(382) Demo()		LS	--		--	(382)
Information Systems		LS	--		--	(262)
ESTIMATED CONTRACT COST						14,241
CONTINGENCY (5.00%)						712
SUBTOTAL						14,953
SUPV, INSP & OVERHEAD (5.70%)						852
TOTAL REQUEST						15,805
TOTAL REQUEST (ROUNDED)						16,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a ground-source community loop heat transfer utility system utilizing a proven renewable energy technology. The project includes pump house, heat exchange loops, facility distribution loops, distribution pumps, chillers, boilers, digital controls, building information systems, and Energy Monitoring Control Systems (EMCS) connections. Supporting facilities include information systems, site development, utilities and connections, paving, parking, walks, curbs and gutters, storm drainage, landscaping, and signage. Measures in accordance with DoD Minimum Antiterrorism for Buildings standards will be provided. Running track and training pits are within the footprint of the project and will be relocated. This project will provide 900 Tons of cooling as a hybrid or partial geothermal system for Barracks. Air Conditioning (Estimated 3,165 kW _r /900 Tons).						
11. REQ:		4,516 kW _r ADQT:		NONE		SUBSTD: 4,516 kW _r
PROJECT: Construct a Ground Source Heat Transfer System at Fort Benning, Georgia. (Current Mission)						
REQUIREMENT: This project is necessary for Fort Benning to meet the energy goals of the Energy Independence and Security Act of 2007 (EISA 2007) and Executive Order (E.O.) 13423. EISA 2007 and E.O. 13423 requires that federal						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Benning, Georgia

4. PROJECT TITLE Ground Source Heat Transfer System	5. PROJECT NUMBER 77416
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REQUIREMENT: (CONTINUED)
 facilities reduce energy consumption by 30% by FY 2015. These measures further require that fossil fuel energy consumption is reduced in federal buildings by 65% by FY 2015 and by 100% by FY 2030. Fort Benning will implement renewable energy goals using a ground source community loop which provides significant energy savings, while enabling heating and cooling without the use of fossil fuels. This community loop will provide the infrastructure to serve the heating and cooling needs of numerous buildings for years to come. Replacement of running tracks and physical training pits are required as a result of being located in the footprint of the construction.
CURRENT SITUATION: Fort Benning has aging central plants and individual facility heating and cooling systems at various locations across the installation. The existing infrastructure is very inefficient and utilizes previous-generation equipment to serve administrative buildings and barracks. Additionally the heating and cooling plants require extensive maintenance.
IMPACT IF NOT PROVIDED: The energy goals mandated by federal law and executive order may not be met at Fort Benning if this project is not funded. Smaller scale energy conservation measures by themselves will not enable Fort Benning to meet long term energy goals. Ground Source Heat Transfer will provide significant savings into the future.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... JAN 2011
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

(2) Basis:

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Benning, Georgia

4. PROJECT TITLE Ground Source Heat Transfer System	5. PROJECT NUMBER 77416
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	886
(b) All Other Design Costs.....	591
(c) Total Design Cost.....	1,477
(d) Contract.....	886
(e) In-house.....	591
(4) Construction Contract Award.....	MAR 2013
(5) Construction Start.....	MAY 2013
(6) Construction Completion.....	NOV 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
	NA		

Installation Engineer:
Phone Number: 706-545-3155

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM		2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Gordon Georgia		4. COMMAND US Army Installation Management Command	5. AREA CONSTRUCTION COST INDEX 0.92
6. PERSONNEL STRENGTH:			
	PERMANENT	STUDENTS	SUPPORTED
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL TOTAL
A. AS OF 30 NOV 2011	1385 5641 2538	774 4948 10	136 2474 5536 23,442
B. END FY 2017	1358 5045 3050	750 4258 35	140 2455 5793 22,884
7. INVENTORY DATA (\$000)			
A. TOTAL AREA.....	22,867 ha	(56,505 AC)	
B. INVENTORY TOTAL AS OF 12 JAN 2012.....			2,849,109
C. AUTHORIZATION NOT YET IN INVENTORY.....			161,927
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....			23,300
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....			92,000
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....			0
G. REMAINING DEFICIENCY.....			2,333,721
H. GRAND TOTAL.....			5,460,057
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE NUMBER PROJECT TITLE		(\$000)	START COMPLETE
178 61498 Modified Record Fire Range		4,000	08/2010 04/2013
178 67017 Multipurpose Machine Gun Range		7,100	11/2010 10/2012
826 77419 Ground Source Heat Transfer System		12,200	11/2010 10/2012
	TOTAL	23,300	
9. FUTURE PROJECT APPROPRIATIONS:			
CATEGORY		COST	
CODE PROJECT TITLE		(\$000)	
A. INCLUDED IN THE FY 2014 PROGRAM:			
721 Adv Individual Training Barracks Cplx, Ph2		92,000	
	TOTAL	92,000	
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE			
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A			
10. MISSION OR MAJOR FUNCTIONS:			
<p>FT Gordon is home to numerous tenant units with diverse missions. Presently the largest is the US Army Signal Corps and includes the largest information technology and communications training school in the Armed Forces. The installation is also home to the SE Regional Medical Command, the SE Regional Veterinary Command, the SE Regional Dental Command, the Army's only Dental Laboratory, the 93rd Sig Bde (FORSCOM) - theater tactical communications, the Gordon Regional Security Operations Center (INSCOM) - one of three Joint CONUS-based intelligence platforms, the 513th MI Bde (INSCOM) - theater-level intelligence and security, and Reserve/National Guard units (359th Sig Bde, RTS-Med, 878th Engineers).</p>			

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Gordon, Georgia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Gordon Georgia				4.PROJECT TITLE Modified Record Fire Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 61498		8.PROJECT COST (\$000) Auth 4,000 Approp 4,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						3,120
Modified Record Fire Range		FP	16 --		147,858	(2,366)
Range Operations Control Area		EA	1 --		63,563	(64)
Modernize Range Control Tower		EA	1 --		46,137	(46)
Operations/Storage Building		m2 (SF)	75.81 (816)		2,540	(193)
Latrine		m2 (SF)	51.10 (550)		5,307	(271)
Total from Continuation page						(180)
<u>SUPPORTING FACILITIES</u>						334
Electric Service		LS	--		--	(41)
Site Imp(126) Demo()		LS	--		--	(126)
Information Systems		LS	--		--	(167)
ESTIMATED CONTRACT COST						3,454
CONTINGENCY (5.00%)						173
SUBTOTAL						3,627
SUPV, INSP & OVERHEAD (5.70%)						207
DESIGN/BUILD - DESIGN COST						145
TOTAL REQUEST						3,979
TOTAL REQUEST (ROUNDED)						4,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Convert an Automated Record Fire Range to a standard design Modified Record Fire (MRF) Range. Primary facilities include the MRF range, range operations control area, range control tower modernization, operations/storage building, latrine, covered mess, ammunition breakdown building modernization, and building information systems. Sustainability/Energy Measures are required. Supporting facilities include electric service, site improvement, and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 21 kW _r /6 Tons).						
11. REQ:		16 FP	ADQT:		NONE	SUBSTD: NONE
PROJECT: Convert an Automated Record Fire Range to a standard design Modified Record Fire Range (MRF) at Fort Gordon, Georgia. (Current Mission)						
REQUIREMENT: This project is required to provide a permanent facility to support approved programs to train and test individual Soldiers in the skills necessary to identify, engage and defeat stationary infantry targets for						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61498
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Covered Mess	m2 (SF)	131.27 (1,413)	1,259	(165)
Modernize Ammo Breakdown Bldg	m2 (SF)	17.19 (185)	564.05	(10)
Sustainability/Energy Measures	LS	--	--	(5)
			Total	180

REQUIREMENT: (CONTINUED)

day/night qualification requirements with the M16 and M4 rifles. This range supports the Installation Range Development Plan and the individual skill training and weapons qualification requirements of the schools supported.

CURRENT SITUATION: Existing ranges do not offer sufficient capability to support this requirement.

IMPACT IF NOT PROVIDED: If this project is not provided, training on small arms ranges will not be available for prescribed programs of instruction.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate.

Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... AUG 2010
- (b) Percent Complete As Of January 2012..... 15.00
- (c) Date 35% Designed..... JAN 2013
- (d) Date Design Complete..... APR 2013
- (e) Parametric Cost Estimating Used to Develop Costs YES
- (f) Type of Design Contract: Design-build
- (g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 61498
--	--------------------------------

12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Jackson
 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	97
(b) All Other Design Costs.....	73
(c) Total Design Cost.....	170
(d) Contract.....	97
(e) In-house.....	73
 - (4) Construction Contract Award..... JAN 2013
 - (5) Construction Start..... APR 2013
 - (6) Construction Completion..... APR 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
NA			

Installation Engineer:
Phone Number: 706-791-6376

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. PROJECT TITLE Multipurpose Machine Gun Range		
5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 178	7. PROJECT NUMBER 67017	8. PROJECT COST (\$000) Auth 7,100 Approp 7,100		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					5,879
Multipurpose Machine Gun Range		FP	10 --	453,301	(4,533)
Range Operations Control Area		EA	1 --	106,014	(106)
Range Control Tower		EA	1 --	249,687	(250)
Operations/Storage Building		m2 (SF)	75.81 (816)	2,553	(194)
Classroom Building		m2 (SF)	75.81 (816)	2,553	(194)
Total from Continuation page					(602)
<u>SUPPORTING FACILITIES</u>					478
Electric Service		LS	--	--	(284)
Paving, Walks, Curbs & Gutters		LS	--	--	(62)
Site Imp(81) Demo()		LS	--	--	(81)
Information Systems		LS	--	--	(51)
ESTIMATED CONTRACT COST					6,357
CONTINGENCY (5.00%)					318
SUBTOTAL					6,675
SUPV, INSP & OVERHEAD (5.70%)					380
TOTAL REQUEST					7,055
TOTAL REQUEST (ROUNDED)					7,100
INSTALLED EQT-OTHER APPROP					(1,517)
10. Description of Proposed Construction Construct a standard design Multipurpose Machine Gun Range. Primary facilities include the range, range operations control area, range control tower, operations/storage building, classroom building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, and building information systems. Sustainability/Energy Measures are required. Supporting facilities include electric service; paving, walks, curbs and gutters; site improvement; and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 21 kW/6 Tons).					
11. REQ: 10 FP		ADQT: NONE		SUBSTD: NONE	
PROJECT: Construct a standard design Multipurpose Machine Gun Range at Fort Gordon, Georgia. (Current Mission)					
REQUIREMENT: This project is required to train and test Soldiers in the skills necessary to detect, identify, engage and defeat stationary and moving infantry targets in a tactical array. This range satisfies the training and qualification requirements of light and heavy machine guns. Combat and combat					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE

Multipurpose Machine Gun Range

5. PROJECT NUMBER

67017

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	m2 (SF)	30.66 (330)	5,592	(171)
Bleacher Enclosure	EA	1 --	133,977	(134)
Covered Mess	m2 (SF)	131.27 (1,413)	1,264	(166)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	6,853	(118)
Sustainability/Energy Measures	LS	--	--	(13)
			Total	602

REQUIREMENT: (CONTINUED)

support units require training proficiency in machine gun weapons systems. Army standard ranges with target systems affording doctrinal densities and target types are the minimum necessary to prepare Soldiers for combat.

CURRENT SITUATION: The installation lacks the facilities to support local training on weapons systems assigned to Soldiers and units stationed on Fort Gordon. Units are required to travel to neighboring installations to train and qualify with their weapon systems. This situation reduces available individual and unit training time due to transportation. It also increases unit coordination for logistics requirements to support training away from the installation.

IMPACT IF NOT PROVIDED: Fort Gordon will not be able to meet current training requirements. Training time will continue to be lost due to traveling to other installations.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 67017
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... NOV 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Polk

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 325
 - (b) All Other Design Costs..... 425
 - (c) Total Design Cost..... 750
 - (d) Contract..... 400
 - (e) In-house..... 350

- (4) Construction Contract Award..... MAR 2013

- (5) Construction Start..... MAY 2013

- (6) Construction Completion..... MAY 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 67017
--	--------------------------------

12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment	OPA	2013	1,499
Info Sys - ISC	OPA	2014	18
		TOTAL	<u>1,517</u>

Installation Engineer:
Phone Number: 706-791-6376

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. PROJECT TITLE Ground Source Heat Transfer System		
5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 826	7. PROJECT NUMBER 77419	8. PROJECT COST (\$000) Auth 12,200 Approp 12,200		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					9,975
Ground-Source Heat Transfer Sys		kWr (TN)	3,165 (900)	2,819	(8,922)
Pump House/Mechanical Rooms		m2 (SF)	473.81 (5,100)	2,056	(974)
EMCS Connection		LS	--	--	(72)
Building Information Systems		LS	--	--	(7)
<u>SUPPORTING FACILITIES</u>					929
Electric Service		LS	--	--	(122)
Water, Sewer, Gas		LS	--	--	(142)
Steam And/Or Chilled Water Dist		LS	--	--	(413)
Paving, Walks, Curbs & Gutters		LS	--	--	(60)
Storm Drainage		LS	--	--	(48)
Site Imp(115) Demo()		LS	--	--	(115)
Information Systems		LS	--	--	(19)
Antiterrorism Measures		LS	--	--	(10)
ESTIMATED CONTRACT COST					10,904
CONTINGENCY (5.00%)					545
SUBTOTAL					11,449
SUPV, INSP & OVERHEAD (5.70%)					653
TOTAL REQUEST					12,102
TOTAL REQUEST (ROUNDED)					12,200
INSTALLED EQT-OTHER APPROP					()
10. Description of Proposed Construction Construct a Ground Source Heat Transfer System. Primary facilities include Pump House, Mechanical Rooms, heat transfer system, heat exchange loops, facility distribution loops, distribution pumps, chillers, boilers, digital controls, building information systems, and Energy Monitoring Control Systems (EMCS) connections. Supporting facilities include site development; utilities and connections; paving, parking, walks, curbs and gutters; storm drainage; landscaping; information systems; and signage. Measures in accordance with DoD Minimum Antiterrorism for Buildings standards will be provided. Access for individuals with disabilities will be provided. Air Conditioning (Estimated 3,165 kWr/900 Tons).					
11. REQ: 3,165 kWr ADQT: NONE SUBSTD: 3,165 kWr					
PROJECT: Construct a Ground Source Heat Transfer System at Fort Gordon, Georgia. (Current Mission)					
REQUIREMENT: This project is required to provide a ground-source community loop heat transfer utility system utilizing a proven renewable energy technology to meet energy goals of the Energy Independence and Security Act of 2007 (EISA 2007) and Executive Order (E.O.) 13423.					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Ground Source Heat Transfer System	5. PROJECT NUMBER 77419
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CURRENT SITUATION: Most facilities on the installation are served by inefficient central plants and other outdated heating and cooling systems. The central energy plants, constructed in 1960, are inefficient and do not meet the energy goals of EISA 2007 and E.O. 13423.

IMPACT IF NOT PROVIDED: If this project is not provided, the energy goals mandated by federal law and executive order will not be met. The installation will continue to use inefficient central energy plants and will not meet long term energy goals.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Date Design Started.....	NOV 2010
(b) Percent Complete As Of January 2012.....	35.00
(c) Date 35% Designed.....	JAN 2012
(d) Date Design Complete.....	OCT 2012
(e) Parametric Cost Estimating Used to Develop Costs	YES
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design: NO	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	557
(b) All Other Design Costs.....	334
(c) Total Design Cost.....	891
(d) Contract.....	557
(e) In-house.....	334
(4) Construction Contract Award.....	MAR 2013
(5) Construction Start.....	MAY 2013

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Gordon, Georgia

4. PROJECT TITLE Ground Source Heat Transfer System	5. PROJECT NUMBER 77419
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(6) Construction Completion..... MAY 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
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NA

Installation Engineer:
Phone Number: 706-791-6376

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Stewart Georgia			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.83	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	1845	14876	2277	0	159	0	733 2217 3487 25,594
B. END FY 2017	1952	14904	2216	0	121	0	742 2238 3487 25,660
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	115,381 ha		(285,111 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....	5,589,811						
C. AUTHORIZATION NOT YET IN INVENTORY.....	1,321,376						
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....	49,650						
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....	0						
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	917,974						
H. GRAND TOTAL.....	7,878,811						
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
178	57794	Digital Multipurpose Training Range		22,000	09/2010	01/2013	
178	67019	Automated Combat Pistol Qual Crse		3,650	09/2010	04/2013	
141	73008	Unmanned Aerial Vehicle Complex		24,000	01/2011	10/2012	
TOTAL				49,650			
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Provide the nation's Armed Forces with a sustaining base and a power projection platform in support of National Security Objectives. Major functions include: exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Stewart, Georgia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Stewart Georgia				4.PROJECT TITLE Digital Multipurpose Training Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 57794		8.PROJECT COST (\$000) Auth 22,000 Approp 22,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						19,535
Digital Multipurpose Trng Range		LN	1	--	9610443	(9,610)
Downrange Site Development		EA	1	--	6771855	(6,772)
Range Operations Control Area		EA	1	--	442,492	(442)
Range Control Tower, Digital		EA	1	--	720,986	(721)
After Action Review Building		m2 (SF)	286.61	(3,085)	1,973	(565)
Total from Continuation page						(1,425)
<u>SUPPORTING FACILITIES</u>						476
Electric Service		LS	--	--	--	(98)
Water, Sewer, Gas		LS	--	--	--	(70)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(52)
Site Imp(110) Demo(16)		LS	--	--	--	(126)
Information Systems		LS	--	--	--	(130)
ESTIMATED CONTRACT COST						20,011
CONTINGENCY (5.00%)						1,001
SUBTOTAL						21,012
SUPV, INSP & OVERHEAD (5.70%)						1,198
TOTAL REQUEST						22,210
TOTAL REQUEST (ROUNDED)						22,000
INSTALLED EQT-OTHER APPROP						(12,615)
10.Description of Proposed Construction Construct a standard Digital Multipurpose Training Range (DMPTR). Primary facilities include DMPTR, downrange site development, range operations control area, range control tower, after action review building, operations/storage building, bleacher enclosure, covered mess, latrine, vehicle instrumentation dock, ammunition loading dock, bivouac area, vehicle staging area, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service; water, sewer, gas; paving, parking, walks, curbs and gutters; site improvements; and Information Systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 5 buildings (TOTAL 263 m2/2,832 SF). Air Conditioning (Estimated 42 kW/12 Tons).						
11. REQ:		1 LN	ADQT:		NONE	SUBSTD: NONE
PROJECT: Construct a standard design Digital Multipurpose Training Range (DMPTR) at Fort Stewart, Georgia. (Current mission)						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Digital Multipurpose Training Range	5. PROJECT NUMBER 57794
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Operations/Storage Building	m2 (SF)	170.57 (1,836)	2,200	(375)
Bleacher Enclosure	EA	1 --	89,137	(89)
Covered Mess	m2 (SF)	74.32 (800)	1,265	(94)
Latrine	m2 (SF)	51.10 (550)	5,069	(259)
Vehicle Instrumentation Dock	EA	1 --	89,191	(89)
Ammunition Loading Dock	EA	1 --	45,885	(46)
Bivouac Area	EA	1 --	383,098	(383)
Vehicle Staging Area	EA	1 --	56,539	(57)
Sustainability/Energy Measures	LS	--	--	(33)
			Total	1,425

REQUIREMENT: The Digital Multipurpose Training Range is required to provide digitally enhanced combat platforms with all constituent elements that train at Fort Stewart. The DMPTR is used to train and test crews and dismounted infantry squads on the skills necessary to detect, identify, engage and defeat stationary infantry and stationary/moving armor targets in a tactical array.

CURRENT SITUATION: No range of this type currently exists at Fort Stewart. Existing ranges do not support the advanced weapons and command and control systems being fielded by the digitized force. They are not capable of processing digital information and situational feedback or reports to firing vehicles and units. Existing range dimensions do not support increased vehicle dispersion and greater ballistics associated with digital units. The Army's new combat and training doctrine requires digital weaponry and feedback systems.

IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will not be able to fully exercise digital war fighting technology. Soldiers will not receive complete exposure to training standards resulting in an adverse impact to sustained weapons proficiency.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Digital Multipurpose Training Range	5. PROJECT NUMBER 57794
---	--------------------------------

ADDITIONAL: (CONTINUED)
laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... SEP 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... JAN 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Bliss

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 845
 - (b) All Other Design Costs..... 1,267
 - (c) Total Design Cost..... 2,112
 - (d) Contract..... 1,267
 - (e) In-house..... 845

 - (4) Construction Contract Award..... APR 2013

 - (5) Construction Start..... JUL 2013

 - (6) Construction Completion..... JUL 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Digital Multipurpose Training Range	5. PROJECT NUMBER 57794
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment	OPA	2014	5,224
Target Equipment	OPA	2015	7,372
Info Sys - ISC	OPA	2014	19
TOTAL			12,615

Installation Engineer:
Phone Number: 912-767-8356

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Automated Combat Pistol Qual Crse		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 178	7. PROJECT NUMBER 67019		8. PROJECT COST (\$000) Auth 3,650 Approp 3,650	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						2,769
Combat Pistol/MPF Qual Course		FP	15 --		100,755	(1,511)
Range Operations Control Area		EA	1 --		300,304	(300)
Range Control Tower		EA	1 --		243,163	(243)
Classroom Building		m2 (SF)	75.81 (816)		2,486	(188)
Operations/Storage Building		m2 (SF)	75.81 (816)		2,486	(188)
Total from Continuation page						(339)
<u>SUPPORTING FACILITIES</u>						380
Electric Service		LS	--		--	(147)
Storm Drainage		LS	--		--	(88)
Site Imp(10) Demo()		LS	--		--	(10)
Information Systems		LS	--		--	(135)
ESTIMATED CONTRACT COST						3,149
CONTINGENCY (5.00%)						157
SUBTOTAL						3,306
SUPV, INSP & OVERHEAD (5.70%)						188
DESIGN/BUILD - DESIGN COST						132
TOTAL REQUEST						3,626
TOTAL REQUEST (ROUNDED)						3,650
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct an Automated Combat Pistol Qualification Course (ACPQC). Primary facilities include the ACPQC, range operations control area, range control tower, classroom building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service, storm drainage, site improvements, and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 7 kW/2 Tons).						
11. REQ:		30 FP ADQT:		15 FP SUBSTD:		NONE
PROJECT: Construct a standard design Automated Combat Pistol Qualification Course at Fort Stewart, Georgia. (Current Mission)						
REQUIREMENT: The Automated Combat Pistol Qualification Course is required to provide Soldiers with current state-of-the-art facilities. This facility will allow the Soldiers to train and test the skills necessary to detect, identify, engage, and defeat stationary targets in a tactical array. The complex will						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Automated Combat Pistol Qual Crse	5. PROJECT NUMBER 67019
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	EA	1 --	24,839	(25)
Bleacher Enclosure	EA	1 --	91,342	(91)
Covered Mess	m2 (SF)	74.32 (800)	1,296	(96)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	6,674	(115)
Sustainability/Energy Measures	LS	--	--	(12)
			Total	339

REQUIREMENT: (CONTINUED)

satisfy the training and qualification requirements of the 9-mm, .38-caliber, and .45-caliber pistols.

CURRENT SITUATION: Fort Stewart does not have sufficient training areas that meet the requirements for a standard Automated Combat Pistol Qualification Course (ACPQC). The existing ACPQC has only 15 lanes and 30 lanes are needed to meet throughput requirements. The mission of combat and police readiness is hindered by the lack of sufficient ranges which can fully support the current doctrine and targetry systems.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing combat pistol range will not adequately meet the throughput required by Soldiers that train and qualify at Fort Stewart. These units will continue to train under circumstances that will negatively impact the degree of proficiency required for combat.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Automated Combat Pistol Qual Crse	5. PROJECT NUMBER 67019
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... SEP 2010
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... APR 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Richardson

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 90
 - (b) All Other Design Costs..... 70
 - (c) Total Design Cost..... 160
 - (d) Contract..... 90
 - (e) In-house..... 70

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... MAY 2013

 - (6) Construction Completion..... APR 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Automated Combat Pistol Qual Crse	5. PROJECT NUMBER 67019
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 912-767-8356

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Unmanned Aerial Vehicle Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 141	7. PROJECT NUMBER 73008		8. PROJECT COST (\$000) Auth 24,000 Approp 24,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						16,775
Company Operations Facility		m2 (SF)	2,580 (27,766)		2,022	(5,216)
Covered Hardstand		m2 (SF)	783.17 (8,430)		503.43	(394)
Vehicle Maintenance Shop		m2 (SF)	1,709 (18,400)		2,395	(4,094)
UAV Maintenance Hangar Addition		m2 (SF)	855.64 (9,210)		2,220	(1,899)
Oil Storage Building		m2 (SF)	55.74 (600)		1,799	(100)
Total from Continuation page						(5,072)
<u>SUPPORTING FACILITIES</u>						4,406
Electric Service		LS	--		--	(532)
Water, Sewer, Gas		LS	--		--	(402)
Paving, Walks, Curbs & Gutters		LS	--		--	(668)
Storm Drainage		LS	--		--	(428)
Site Imp(1,750) Demo()		LS	--		--	(1,750)
Information Systems		LS	--		--	(570)
Antiterrorism Measures		LS	--		--	(56)
ESTIMATED CONTRACT COST						21,181
CONTINGENCY (5.00%)						1,059
SUBTOTAL						22,240
SUPV, INSP & OVERHEAD (5.70%)						1,268
TOTAL REQUEST						23,508
TOTAL REQUEST (ROUNDED)						24,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct standard design Company Operations Facility (COF) with covered hardstand, Vehicle Maintenance Shop, organizational vehicle parking, organizational storage, land vehicle fuel storage, oil and hazardous waste storage, access road, Unmanned Aerial Vehicle (UAV) maintenance hangar addition, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainable/Energy Measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 619 kW _r /176 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 73008
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Hazardous Waste Storage	m2 (SF)	55.74 (600)	1,799	(100)
Organizational Storage	m2 (SF)	195.10 (2,100)	1,157	(226)
Organizational Vehicle Parking	m2 (SY)	15,563 (18,613)	122.30	(1,903)
Access Road	m2 (SY)	28,094 (33,600)	88.72	(2,492)
Fuel Storage	L (GA)	74,648 (19,720)	2.26	(168)
Sustainability/Energy Measures	LS	--	--	(183)
			Total	5,072

11. REQ: 100,326 m2 ADQT: 62,810 m2 SUBSTD: 29,814 m2
PROJECT: Construct standard design facilities for an Unmanned Aerial Vehicle (UAV) Complex at Fort Stewart, Georgia. (Current Mission)
REQUIREMENT: This project is required to provide facilities for fielding of Extended Range/ Multipurpose (ERMP) Unmanned Aerial Vehicle (UAV) Companies. This will allow the ERMP UAS unit to maintain readiness to provide the capability to perform reconnaissance, surveillance, communications and target acquisition. These facilities are required to provide aircraft maintenance, repair, and storage as well as administration of company operations.
CURRENT SITUATION: There are no facilities at Fort Stewart to accommodate ERMP UAV companies. A shortfall of company operations facilities and vehicle maintenance shops exists. All existing facilities suitable for use under these facility category codes are fully utilized. Existing facilities are not available to fully perform company level administration, supply activities, and vehicle and equipment maintenance.
IMPACT IF NOT PROVIDED: If this project is not provided, it will have a negative impact on unit readiness. UAV companies will lack adequate facilities to perform mission training, maintenance, and efficient operations adversely impacting on morale, retention, and readiness.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 73008	
ADDITIONAL: (CONTINUED) laws and Executive Orders.		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Date Design Started.....		<u>JAN 2011</u>
(b) Percent Complete As Of January 2012.....		<u>35.00</u>
(c) Date 35% Designed.....		<u>JAN 2012</u>
(d) Date Design Complete.....		<u>OCT 2012</u>
(e) Parametric Cost Estimating Used to Develop Costs		<u>YES</u>
(f) Type of Design Contract: Adapt-Build		
(2) Basis:		
(a) Standard or Definitive Design: YES		
(b) Where Most Recently Used: Fort Hood		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>224</u>
(b) All Other Design Costs.....		<u>374</u>
(c) Total Design Cost.....		<u>598</u>
(d) Contract.....		<u>374</u>
(e) In-house.....		<u>224</u>
(4) Construction Contract Award.....		
(5) Construction Start.....		
(6) Construction Completion.....		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 73008
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 912-767-8356

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Hawaii	Schofield Barracks (IMCOM)				75
76586	Barracks	41,000	41,000	C	77
76587	Barracks	55,000	55,000	C	81
	Pohakuloa Training Area				
66023	Automated Infantry Platoon Battle Course	29,000	29,000	C	85
	Wheeler Army Air Field				
76903	Combat Aviation Brigade Barracks	85,000	85,000	C	89
		-----	-----		
	Subtotal Schofield Barracks Part I	\$ 210,000	210,000		
	* TOTAL MCA FOR Hawaii	\$ 210,000	210,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 2.11	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST CIVIL	OFFICER	ENLIST CIVIL	OFFICER	ENLIST CIVIL TOTAL	
A. AS OF 30 NOV 2011	2082	14631 2021	0	122 0	354	2761 4030 26,001	
B. END FY 2017	1986	14191 1917	0	69 0	351	2756 3816 25,086	
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	75,861 ha		(187,457 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....						10,777,617	
C. AUTHORIZATION NOT YET IN INVENTORY.....						1,890,728	
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....						210,000	
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....						0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						3,749,785	
H. GRAND TOTAL.....						16,628,130	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY	PROJECT				COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START COMPLETE	
178	66023	Automated Infantry Platoon Battle Course			29,000	11/2010 10/2012	
721	76586	Barracks			41,000	12/2010 10/2012	
721	76587	Barracks			55,000	12/2010 10/2012	
721	76903	Combat Aviation Brigade Barracks			85,000	01/2011 07/2013	
TOTAL					210,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY					COST		
CODE	PROJECT TITLE				(\$000)		
A.	INCLUDED IN THE FY 2014 PROGRAM:	NONE					
B.	PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):	NONE					
C.	DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A		
10. MISSION OR MAJOR FUNCTIONS:							
Schofield Barracks garrisons the 25th Infantry Division (Light), United States Army Hawaii and their supporting organizations including 45th Corps Support Group and U.S. Army Military Police Brigade - Hawaii. It provides on-post Army Family Housing (RCI units) for approximately 3400 families. Support includes training ranges, and maneuver areas, and it is a mobilization station for the 9th Regional Readiness Command and Hawaii National Guard.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Schofield Barracks, Hawaii

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Schofield Barracks Hawaii				4.PROJECT TITLE Barracks		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 721	7.PROJECT NUMBER 76586		8.PROJECT COST (\$000) Auth 41,000 Approp 41,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						27,749
Barracks Modernization		m2 (SF)	5,170 (55,648)		4,144	(21,424)
Asbestos/Lead Paint Abatement		LS	--		--	(671)
Central Utility Plant		m2 (SF)	473.81 (5,100)		9,039	(4,283)
Sustainability/Energy Measures		LS	--		--	(414)
Antiterrorism Measures		LS	--		--	(400)
Building Information Systems		LS	--		--	(557)
<u>SUPPORTING FACILITIES</u>						8,858
Electric Service		LS	--		--	(1,127)
Water, Sewer, Gas		LS	--		--	(1,275)
Steam And/Or Chilled Water Dist		LS	--		--	(2,404)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,035)
Storm Drainage		LS	--		--	(1,157)
Site Imp(1,458) Demo()		LS	--		--	(1,458)
Information Systems		LS	--		--	(237)
Antiterrorism Measures		LS	--		--	(165)
ESTIMATED CONTRACT COST						36,607
CONTINGENCY (5.00%)						1,830
SUBTOTAL						38,437
SUPV, INSP & OVERHEAD (6.50%)						2,498
TOTAL REQUEST						40,935
TOTAL REQUEST (ROUNDED)						41,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Modernize and reconfigure Quad B Barracks for 110 Soldiers to meet current Army standards. Primary facilities include the barracks, a separate central utility plant, asbestos removal, lead paint abatement, seismic upgrade, building information systems, fire protection and alarm systems, Energy Monitoring Control Systems (EMCS) connection, and antiterrorism measures. Measures beyond minimal building Antiterrorism/Force Protection (AT/FP) are included that reinforce historic buildings using custom architectural features. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Air conditioning will be provided by connection to a central utility plant. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 703 kW _r /200 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76586	
11. REQ: 5,605 PN ADQT: 3,633 PN SUBSTD: 3,749 PN		
PROJECT: Modernize and reconfigure barracks to accommodate 110 Soldiers at Schofield Barracks, Hawaii. (Current Mission)		
REQUIREMENT: This project is required to support the long-range plan to provide adequate barracks for assigned Soldiers. Maximum barracks utilization is 110 Soldiers. The intended use is for 94 junior enlisted Soldiers and 8 junior noncommissioned officers. This project is required to provide living and working conditions that meet current Army standards.		
CURRENT SITUATION: Personnel are currently housed in substandard barracks on Schofield Barracks. Existing living accommodations do not meet current Army standards. The Soldiers still use common latrines and showers. Buildings lack proper plumbing, lighting, ventilation, and partitions for security, privacy, comfort and noise abatement. Billeting is currently located in the same building as the unit operations and headquarters facilities. This condition does not meet the current Army standards to provide quality living conditions for the Soldiers separated from administrative and operations facilities. The operations and administrative areas will be converted into living space.		
IMPACT IF NOT PROVIDED: If this project is not provided, personnel will continue to live in deteriorated barracks constructed between 1914 and 1918 that are below current Army standards. This may adversely affect the Soldiers' quality-of-life, morale, and retention.		
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.		
During the past two years, \$3.2M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Schofield Barracks. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 334 personnel at this installation.		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Schofield Barracks, Hawaii

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76586
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... DEC 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Schofield Barracks

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,929
 - (b) All Other Design Costs..... 1,543
 - (c) Total Design Cost..... 3,472
 - (d) Contract..... 1,929
 - (e) In-house..... 1,543

 - (4) Construction Contract Award..... MAR 2013

 - (5) Construction Start..... MAY 2013

 - (6) Construction Completion..... MAY 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Schofield Barracks, Hawaii

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76586
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 808-656-1288

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii				4. PROJECT TITLE Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 721	7. PROJECT NUMBER 76587		8. PROJECT COST (\$000) Auth 55,000 Approp 55,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						47,229
Barracks Modernization		m2 (SF)	10,340 (111,296)		4,144	(42,849)
Asbestos/Lead Paint Abatement		LS	--		--	(1,518)
Sustainability/Energy Measures		LS	--		--	(841)
Antiterrorism Measures		LS	--		--	(631)
Building Information Systems		LS	--		--	(1,390)
<u>SUPPORTING FACILITIES</u>						1,748
Electric Service		LS	--		--	(363)
Water, Sewer, Gas		LS	--		--	(307)
Steam And/Or Chilled Water Dist		LS	--		--	(97)
Storm Drainage		LS	--		--	(423)
Site Imp(34) Demo()		LS	--		--	(34)
Information Systems		LS	--		--	(524)
ESTIMATED CONTRACT COST						48,977
CONTINGENCY (5.00%)						2,449
SUBTOTAL						51,426
SUPV, INSP & OVERHEAD (6.50%)						3,343
TOTAL REQUEST						54,769
TOTAL REQUEST (ROUNDED)						55,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Modernize and reconfigure Quad B Barracks for 220 Soldiers to meet Army standards. Primary facilities include the barracks, asbestos removal, lead paint abatement, seismic upgrade, building information systems, fire protection and alarm systems, Energy Monitoring Control Systems (EMCS) connection, and antiterrorism measures Measures beyond minimal building Antiterrorism/Force Protection (AT/FP) are included that reinforce historic buildings using custom architectural features. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Air conditioning will be provided by connection to a central utility plant. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 1,301 kW/370 Tons).						
11. REQ:		5,605 PN	ADQT:		3,633 PN	SUBSTD:
PROJECT:		Modernize and reconfigure barracks to accommodate 220 Soldiers at				3,749 PN

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76587	
<p>PROJECT: (CONTINUED)</p> <p>Schofield Barracks, Hawaii. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide adequate barracks for assigned Soldiers. Maximum barracks utilization is 220 Soldiers. The intended use is for 188 junior enlisted Soldiers and 16 junior noncommissioned officers. This project is required to provide living and working conditions that meet current Army standards.</p> <p><u>CURRENT SITUATION:</u> Personnel are currently housed in an existing substandard barracks located on Schofield Barracks. Existing living accommodations do not meet current Army standards. The Soldiers use common latrine and showers. Buildings lack proper plumbing, lighting, ventilation, and partitions for security, privacy, comfort and noise abatement. Billeting is currently located in the same building as the unit operations and headquarters facilities. This condition does not meet the current Army standards to provide quality living conditions for the Soldiers separated from administrative and operations facilities. The operations and administrative areas will be converted into living space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, personnel will continue to live in deteriorated barracks constructed between 1914 and 1918 that are below current Army standards. This will adversely affect the Soldiers' quality-of-life and morale, compromising retention rates and ultimately, unit readiness.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p> <p>During the past two years, \$3.2M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Schofield Barracks. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 334 personnel at this installation.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Schofield Barracks, Hawaii

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76587
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... DEC 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Schofield Barracks

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 2,577
 - (b) All Other Design Costs..... 1,546
 - (c) Total Design Cost..... 4,123
 - (d) Contract..... 2,577
 - (e) In-house..... 1,546

 - (4) Construction Contract Award..... MAY 2013

 - (5) Construction Start..... JUL 2013

 - (6) Construction Completion..... JUL 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Schofield Barracks, Hawaii

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 76587
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
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NA

Installation Engineer:
Phone Number: 808-656-1288

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Pohakuloa Training Area Hawaii (Schofield Barracks)				4. PROJECT TITLE Automated Infantry Platoon Battle Course		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 178	7. PROJECT NUMBER 66023		8. PROJECT COST (\$000) Auth 29,000 Approp 29,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						23,257
Infantry Platoon Battle Course		FP	9 --		2203978	(19,836)
Range Operations Control Area		EA	1 --		675,668	(676)
Range Control Tower		EA	1 --		673,678	(674)
Classroom Building		m2 (SF)	75.81 (816)		6,888	(522)
Operations/Storage Building		m2 (SF)	75.81 (816)		6,888	(522)
Total from Continuation page						(1,027)
<u>SUPPORTING FACILITIES</u>						2,317
Electric Service		LS	--		--	(1,038)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,123)
Information Systems		LS	--		--	(156)
ESTIMATED CONTRACT COST						25,574
CONTINGENCY (5.00%)						1,279
SUBTOTAL						26,853
SUPV, INSP & OVERHEAD (6.50%)						1,745
TOTAL REQUEST						28,598
TOTAL REQUEST (ROUNDED)						29,000
INSTALLED EQT-OTHER APPROP						(1,537)
10. Description of Proposed Construction Construct a modified standard Automated Infantry Platoon Battle Course (IPBC). Primary facilities include the IPBC, range operations control area, range control tower, classroom building, operations/storage building, bleacher enclosure, covered mess, ammunition breakdown building, latrine, special foundations, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service; paving, parking, walks, curbs and gutters; and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 21 kW/6 Tons).						
11. REQ:		9 FP	ADQT:		NONE	SUBSTD: NONE
PROJECT: Construct a modified standard Automated Infantry Platoon Battle Course at Pohakuloa Training Area (PTA), Hawaii. (Current Mission)						
REQUIREMENT: This complex is used to train and test infantry platoons, either mounted or dismounted, on the skills necessary to conduct tactical movement techniques, detect, identify, engage and defeat stationary and moving infantry and armor targets in a tactical array. All targets are fully						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Pohakuloa Training Area, Hawaii (Schofield Barracks)

4. PROJECT TITLE Automated Infantry Platoon Battle Course	5. PROJECT NUMBER 66023
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Bleacher Enclosure	EA	1 --	253,061	(253)
Covered Mess	m2 (SF)	74.32 (800)	3,591	(267)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	18,489	(318)
Latrine	EA	1 --	132,549	(133)
Special Foundations	LS	--	--	(22)
Sustainability/Energy Measures	LS	--	--	(34)
			Total	1,027

REQUIREMENT: (CONTINUED)

automated and the event specific target scenario is computer driven and scored from the range operations center. The range operating system is fully capable of providing immediate performance feedback to the Soldiers. This range is modified from the standard by being wider on each side and having three additional objectives between 0 and 2,000 meters.

CURRENT SITUATION: There is not a range at PTA capable of supporting standard Infantry Platoon Live Fire Training that enables units to accomplish all of its Mission Essential Task List (METL) tasks. Current infantry platoon live fire exercises are executed on non-Standard ranges that do not support the qualification standards and METL tasks. The ranges used to train weapons systems are spread across a wide area requiring units to support numerous ranges to accomplish modified weapons qualification. This situation leads to logistical and training challenges for each unit. Existing ranges do not provide modernized targetry or scoring.

IMPACT IF NOT PROVIDED: If this project is not provided, units will continue to have a significant training and logistical burden. Existing ranges cannot adequately meet the qualification-training throughput of the assigned and transient organizations. These units will continue to train under circumstances that may negatively impact the degree of proficiency required for combat.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Pohakuloa Training Area, Hawaii (Schofield Barracks)

4. PROJECT TITLE Automated Infantry Platoon Battle Course	5. PROJECT NUMBER 66023
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ADDITIONAL: (CONTINUED)
accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	NOV 2010
(b) Percent Complete As Of January 2012.....	35.00
(c) Date 35% Designed.....	JAN 2012
(d) Date Design Complete.....	OCT 2012
(e) Parametric Cost Estimating Used to Develop Costs	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Most Recently Used:
Fort Polk

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,570
(b) All Other Design Costs.....	630
(c) Total Design Cost.....	2,200
(d) Contract.....	1,570
(e) In-house.....	630

(4) Construction Contract Award..... MAR 2013

(5) Construction Start..... MAY 2013

(6) Construction Completion..... APR 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Pohakuloa Training Area, Hawaii (Schofield Barracks)

4. PROJECT TITLE Automated Infantry Platoon Battle Course	5. PROJECT NUMBER 66023
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Targetry and Instrumentation	OPA	2013	1,508
Info Sys - ISC	OPA	2014	29
		TOTAL	<u>1,537</u>

Installation Engineer:
Phone Number: 808-656-2371

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Wheeler Army Air Field Hawaii (Schofield Barracks)				4. PROJECT TITLE Combat Aviation Brigade Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 721	7. PROJECT NUMBER 76903		8. PROJECT COST (\$000) Auth 85,000 Approp 85,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						68,076
Barracks		m2 (SF)	14,854 (159,887)		4,085	(60,672)
Central Plant		kW _r (TN)	1,934 (550)		3,162	(6,116)
Sustainability/Energy Measures		LS	--		--	(1,288)
<u>SUPPORTING FACILITIES</u>						4,755
Electric Service		LS	--		--	(497)
Water, Sewer, Gas		LS	--		--	(456)
Steam And/Or Chilled Water Dist		LS	--		--	(215)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,530)
Storm Drainage		LS	--		--	(445)
Site Imp(1,081) Demo()		LS	--		--	(1,081)
Information Systems		LS	--		--	(438)
Antiterrorism Measures		LS	--		--	(93)
ESTIMATED CONTRACT COST						72,831
CONTINGENCY (5.00%)						3,642
SUBTOTAL						76,473
SUPV, INSP & OVERHEAD (6.50%)						4,971
DESIGN/BUILD - DESIGN COST						3,059
TOTAL REQUEST						84,503
TOTAL REQUEST (ROUNDED)						85,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct standard design 404 space barracks to accommodate the Combat Aviation Brigade. Primary facilities include the barracks, Central Utility Plant, building information systems, fire protection and alarm systems, and Energy Monitoring Control Systems (EMCS) connection. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Air conditioning will be provided by central utility plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 1,878 kW _r /534 Tons).						
11. REQ:		5,605 PN	ADQT:	3,633 PN	SUBSTD:	3,749 PN
PROJECT: Construct standard design barracks at Wheeler Army Airfield						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Wheeler Army Air Field, Hawaii (Schofield Barracks)		
4. PROJECT TITLE Combat Aviation Brigade Barracks	5. PROJECT NUMBER 76903	
<p>PROJECT: (CONTINUED) (Schofield Barracks), Hawaii. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide permanent and adequate barracks for assigned Soldiers. This project will provide barracks that comply with the current Army standards for space, security, storage, and privacy for Soldiers stationed at Wheeler Army Airfield. Maximum barracks utilization for this project is 404 spaces. The intended use is for 344 junior enlisted Soldiers and 30 junior noncommissioned officers. This project will provide facilities to accommodate the restructuring in personnel at Wheeler Army Airfield due to the restructuring of forces as part of the Army Modularity Initiative.</p> <p><u>CURRENT SITUATION:</u> Adequate existing barracks facilities are not available on Wheeler Army Airfield to support the stationing of the CAB. All existing facilities suitable for use under this facility category code are fully utilized. Soldiers will continue to live in substandard and deteriorating facilities that do not meet current Department of the Army Standards.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Army will not be able to provide permanent facilities to accommodate the Combat Aviation Brigade at Wheeler Army Airfield, Hawaii. This situation may adversely impact morale, retention, and readiness.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p> <p>During the past two years, \$3.2M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Schofield Barracks. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 334 personnel at this installation.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Wheeler Army Air Field, Hawaii (Schofield Barracks)

4. PROJECT TITLE Combat Aviation Brigade Barracks	5. PROJECT NUMBER 76903
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... JAN 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... JUL 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Campbell

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,951
 - (b) All Other Design Costs..... 1,171
 - (c) Total Design Cost..... 3,122
 - (d) Contract..... 1,951
 - (e) In-house..... 1,171

 - (4) Construction Contract Award..... MAY 2013

 - (5) Construction Start..... JUL 2013

 - (6) Construction Completion..... JUL 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Wheeler Army Air Field, Hawaii (Schofield Barracks)

4. PROJECT TITLE Combat Aviation Brigade Barracks	5. PROJECT NUMBER 76903
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 808-656-1288

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)			NEW/	
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Kansas	Fort Riley (IMCOM)				95
80114	Unmanned Aerial Vehicle Complex	12,200	12,200	C	97
	Subtotal Fort Riley Part I	\$ 12,200	12,200		
	* TOTAL MCA FOR Kansas	\$ 12,200	12,200		

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1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROGRAM				2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Riley Kansas			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.05	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	2259	15729	2142	1	13	0	227 870 4476 25,717
B. END FY 2017	2211	15404	2331	1	13	1	228 872 3313 24,374
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	46,779 ha		(115,593 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							6,335,523
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,092,152
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							12,200
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							2,068,465
H. GRAND TOTAL.....							9,508,340
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
211	80114	Unmanned Aerial Vehicle Complex		12,200	08/2011	10/2012	
				TOTAL	12,200		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Provide the nation's Armed Forces with a sustaining base and a power projection platform, in support of National Security Objectives. Major functions include: Support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new Soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Riley, Kansas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:		
	(\$000)	
A. AIR POLLUTION		0
B. WATER POLLUTION		0
C. OCCUPATIONAL SAFETY AND HEALTH		0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Riley Kansas				4.PROJECT TITLE Unmanned Aerial Vehicle Complex		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 211	7.PROJECT NUMBER 80114		8.PROJECT COST (\$000) Auth 12,200 Approp 12,200	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						8,064
Company Operations Facility		m2 (SF)	1,115 (12,000)		2,457	(2,739)
Covered Hardstand		m2 (SF)	649.39 (6,990)		1,063	(690)
UAV Maintenance Hangar Addition		m2 (SF)	450.12 (4,845)		3,884	(1,748)
Organizational Vehicle Parking		m2 (SF)	1,193 (12,836)		1,297	(1,547)
Organizational Storage		m2 (SF)	370.68 (3,990)		1,079	(400)
Total from Continuation page						(940)
<u>SUPPORTING FACILITIES</u>						2,846
Electric Service		LS	--		--	(323)
Water, Sewer, Gas		LS	--		--	(172)
Paving, Walks, Curbs & Gutters		LS	--		--	(585)
Storm Drainage		LS	--		--	(203)
Site Imp(1,106) Demo(381)		LS	--		--	(1,487)
Information Systems		LS	--		--	(46)
Antiterrorism Measures		LS	--		--	(30)
ESTIMATED CONTRACT COST						10,910
CONTINGENCY (5.00%)						546
SUBTOTAL						11,456
SUPV, INSP & OVERHEAD (5.70%)						653
TOTAL REQUEST						12,109
TOTAL REQUEST (ROUNDED)						12,200
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct an Unmanned Aerial Vehicle Complex. Primary facilities include an Aviation Maintenance Hangar Addition, a company operations facility with covered hardstand, organizational storage, and organizational vehicle parking. Project includes special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring and Control Systems (EMCS) connection. Sustainability/ Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained system. Anti-Terrorism measures are provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 1 building (TOTAL 1,265 m2/13,616 SF). Air Conditioning (Estimated 229 kW/65 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Riley, Kansas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80114
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Special Foundations	LS	--	--	(489)
Sustainability/Energy Measures	LS	--	--	(451)
			Total	940

11. REQ: 174,928 m2 ADQT: 116,902 m2 SUBSTD: 4,404 m2
PROJECT: Construct facilities for an Unmanned Aerial Vehicle Complex at Fort Riley, Kansas. (Current Mission)
REQUIREMENT: This project is required to provide facilities for fielding of the Extended Range/Multipurpose (ERMP) Unmanned Aircraft System (UAS) Companies. This will allow the ERMP UAS unit to maintain readiness to provide the capability to perform reconnaissance, surveillance, communications and target acquisition. These facilities are required to provide aircraft maintenance, repair, and storage as well as administration of company operations.
CURRENT SITUATION: No existing facilities currently are available to provide aircraft maintenance, repair and storage; aircraft administrative operation; company operations; and aircraft operation to support these additional units.
IMPACT IF NOT PROVIDED: If this project is not provided, the third UAS company will lack adequate facilities to perform mission training, maintenance and efficient operations. Lack of adequate facilities will negatively impact operational readiness and the sustainment of combat capabilities for this increasingly critical war fighting technology.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Riley, Kansas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80114
---	--------------------------------

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... AUG 2011
 - (b) Percent Complete As Of January 2012..... 25.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Hood

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 344
 - (b) All Other Design Costs..... 515
 - (c) Total Design Cost..... 859
 - (d) Contract..... 515
 - (e) In-house..... 344

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... OCT 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Riley, Kansas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80114
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 785-239-8480

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)			NEW/	
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Kentucky	Fort Campbell (IMCOM)				103
61810	Battalion Headquarters Complex	55,000	55,000	C	105
71712	Live Fire Exercise Shootouse	3,800	3,800	C	108
76239	Unmanned Aerial Vehicle Complex	23,000	23,000	C	111
	Subtotal Fort Campbell Part I	\$ 81,800	81,800		
	Fort Knox (IMCOM)				115
05924	Automated Infantry Squad Battle Course	6,000	6,000	C	117
	Subtotal Fort Knox Part I	\$ 6,000	6,000		
	* TOTAL MCA FOR Kentucky	\$ 87,800	87,800		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Campbell Kentucky			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.01	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	4097	25664	2598	0	144	0	32 469 6501 39,505
B. END FY 2017	4179	25394	2868	28	240	0	32 469 5040 38,250
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	45,518 ha		(112,476 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....	6,511,807						
C. AUTHORIZATION NOT YET IN INVENTORY.....	1,522,735						
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....	81,800						
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....	0						
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	5,059,841						
H. GRAND TOTAL.....	13,176,183						
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
721	61810	Battalion Headquarters Complex		55,000	09/2010	07/2013	
178	71712	Live Fire Exercise Shootouse		3,800	09/2010	04/2013	
214	76239	Unmanned Aerial Vehicle Complex		23,000	06/2011	07/2013	
TOTAL				81,800			
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Support and train an Airborne (Air Assault) Division, the 160th Special Operations Aviation Regiment, 5th Special Forces Group, and other non-divisional support units. Ensure the most efficient utilization of resources to operate the installation and discharge the Fort Campbell area support mission. Ensure that Fort Campbell is prepared for mobilization. Provide command and control, and prepare designated units to rapidly deploy worldwide for the performance of combat, combat support, and combat service support missions as assigned.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Campbell, Kentucky

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Campbell Kentucky				4.PROJECT TITLE Battalion Headquarters Complex		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 721	7.PROJECT NUMBER 61810		8.PROJECT COST (\$000) Auth 55,000 Approp 55,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						39,540
Barracks		m2 (SF)	10,301 (110,876)		2,001	(20,613)
Battalion HQs w/Classrooms		m2 (SF)	1,486 (16,000)		2,553	(3,796)
Company Operations Facilities		m2 (SF)	8,132 (87,529)		1,678	(13,644)
Covered Hardstand		m2 (SF)	1,570 (16,896)		477.06	(749)
Sustainability/Energy Measures		LS	--		--	(738)
<u>SUPPORTING FACILITIES</u>						7,783
Electric Service		LS	--		--	(871)
Water, Sewer, Gas		LS	--		--	(327)
Paving, Walks, Curbs & Gutters		LS	--		--	(3,600)
Storm Drainage		LS	--		--	(552)
Site Imp(2,134) Demo()		LS	--		--	(2,134)
Information Systems		LS	--		--	(261)
Antiterrorism Measures		LS	--		--	(38)
ESTIMATED CONTRACT COST						47,323
CONTINGENCY (5.00%)						2,366
SUBTOTAL						49,689
SUPV, INSP & OVERHEAD (5.70%)						2,832
DESIGN/BUILD - DESIGN COST						1,988
TOTAL REQUEST						54,509
TOTAL REQUEST (ROUNDED)						55,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct standard design facilities for a Battalion Headquarters Complex. Primary facilities include Barracks, Battalion Headquarters with classrooms, and Company Operations Facilities with covered hardstand, building information systems, fire protection and alarm systems, antiterrorism measures, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connections. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 2,518 kW/716 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Battalion Headquarters Complex	5. PROJECT NUMBER 61810
--	--------------------------------

11. REQ: 9,807 PN ADQT: 7,772 PN SUBSTD: 2,964 PN
 PROJECT: Construct standard design facilities for a Battalion Headquarters Complex at Fort Campbell, Kentucky. (Current Mission)

REQUIREMENT: This project is required to provide barracks and operations facilities that comply with current Army standards for space, security, storage, and privacy for Soldiers stationed at Fort Campbell. Maximum barracks utilization for this project is 297 spaces. The intended use is for 280 junior enlisted Soldiers and 17 junior noncommissioned officers. This project will provide facilities to accommodate restructuring of forces as part of Army Transformation.

CURRENT SITUATION: Adequate existing facilities are not available to support these units. All existing facilities suitable for use under these facility categories are fully utilized.

IMPACT IF NOT PROVIDED: If this project is not provided, these Soldiers will remain in inadequate, undersized, or temporary facilities. The lack of permanent facilities that meet Army standards may negatively impact efficient mission accomplishment and retention.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

During the past two years, \$8M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Fort Campbell, Kentucky. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 684 personnel at this installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... SEP 2010
- (b) Percent Complete As Of January 2012..... 35.00
- (c) Date 35% Designed..... JAN 2013
- (d) Date Design Complete..... JUL 2013

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Battalion Headquarters Complex	5. PROJECT NUMBER 61810
--	--------------------------------

12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build
- (2) Basis:
- (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Campbell
- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- | | |
|---|--------------|
| (a) Production of Plans and Specifications..... | <u>1,263</u> |
| (b) All Other Design Costs..... | <u>752</u> |
| (c) Total Design Cost..... | <u>2,015</u> |
| (d) Contract..... | <u>1,263</u> |
| (e) In-house..... | <u>752</u> |
- (4) Construction Contract Award..... APR 2013
- (5) Construction Start..... JUL 2013
- (6) Construction Completion..... JUL 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
NA			

Installation Engineer:
Phone Number: 270-798-9700

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Campbell Kentucky			4. PROJECT TITLE Live Fire Exercise Shoothouse		
5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 178	7. PROJECT NUMBER 71712	8. PROJECT COST (\$000) Auth 3,800 Approp 3,800		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					2,768
Live Fire Exercise Shoothouse		EA	1 --	1862999	(1,863)
Range Operations Control Area		EA	1 --	75,938	(76)
After Action Review Building		m2 (SF)	100.80 (1,085)	2,482	(250)
Operations/Storage Building		m2 (SF)	75.81 (816)	3,008	(228)
Ammunition Breakdown Building		m2 (SF)	17.19 (185)	8,075	(139)
Total from Continuation page					(212)
<u>SUPPORTING FACILITIES</u>					517
Electric Service		LS	--	--	(161)
Site Imp(24) Demo(44)		LS	--	--	(68)
Information Systems		LS	--	--	(288)
ESTIMATED CONTRACT COST					3,285
CONTINGENCY (5.00%)					164
SUBTOTAL					3,449
SUPV, INSP & OVERHEAD (5.70%)					197
DESIGN/BUILD - DESIGN COST					138
TOTAL REQUEST					3,784
TOTAL REQUEST (ROUNDED)					3,800
INSTALLED EQT-OTHER APPROP					(1,022)
10. Description of Proposed Construction Construct a standard design Live Fire Exercise Shoothouse. Primary facilities include the shoothouse, range operations control area, after action review building, operations/storage building, ammunition breakdown building, latrine, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service, site improvements, and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 3 buildings (TOTAL 1,003 m2/10,800 SF). Air Conditioning (Estimated 21 kW/6 Tons).					
11. REQ: 2 EA ADQT: 1 EA SUBSTD: 5 EA					
PROJECT: Construct a standard design Live Fire Exercise Shoothouse at Fort Campbell, Kentucky. (Current Mission)					
REQUIREMENT: This project is required to provide a Shoothouse to train and evaluate units during a live fire exercise. Units are trained and evaluated on their ability to move tactically (enter and clear a room; enter and clear a building), engage targets, conduct breaches and practice target					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Live Fire Exercise Shootouse	5. PROJECT NUMBER 71712
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	m2 (SF)	30.66 (330)	6,589	(202)
Sustainability/Energy Measures	LS	--	--	(10)
Total				212

REQUIREMENT: (CONTINUED)
discrimination. Active component Soldiers required to deploy must have training in a live fire environment. This project supports the required through-put of Soldiers.

CURRENT SITUATION: The installation lacks the facilities to support local training on weapons systems assigned to Soldiers and units stationed on Fort Campbell. Units are required to travel to neighboring installations to train and qualify with their weapon systems. This situation reduces available individual and unit training time due to transportation. It also increases unit coordination for logistics requirements to support training away from the installation.

IMPACT IF NOT PROVIDED: If this facility is not provided, Soldiers will not be able to obtain and maintain efficiency for live fire training in urban environments. These units will not train to standard. Soldiers may enter future combat less than fully prepared to employ the full capabilities of their weapons and equipment.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Date Design Started.....	SEP 2010
(b) Percent Complete As Of January 2012.....	15.00
(c) Date 35% Designed.....	JAN 2013

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Live Fire Exercise Shootouse	5. PROJECT NUMBER 71712
--	--------------------------------

12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (d) Date Design Complete..... APR 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build
- (2) Basis:
- (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Hood
- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 96
 - (b) All Other Design Costs..... 75
 - (c) Total Design Cost..... 171
 - (d) Contract..... 96
 - (e) In-house..... 75
- (4) Construction Contract Award..... JAN 2013
- (5) Construction Start..... APR 2013
- (6) Construction Completion..... APR 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Targetry and Instrumentation	OPA	2013	978
Info Sys - ISC	OPA	2014	44
		TOTAL	<u>1,022</u>

Installation Engineer:
Phone Number: 270-798-9700

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Unmanned Aerial Vehicle Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 214	7. PROJECT NUMBER 76239		8. PROJECT COST (\$000) Auth 23,000 Approp 23,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						13,114
Vehicle Maintenance Shop		m2 (SF)	1,747 (	18,800)	2,613	(4,564)
Company Operations Facility		m2 (SF)	1,644 (	17,700)	2,161	(3,553)
Covered Hardstands		m2 (SF)	434.79 (	4,680)	623.15	(271)
Organizational Storage		m2 (SF)	325.16 (	3,500)	1,108	(360)
Oil Storage Building		m2 (SF)	89.19 (	960)	1,634	(146)
Total from Continuation page						(4,220)
<u>SUPPORTING FACILITIES</u>						7,170
Electric Service		LS	--	--	--	(406)
Water, Sewer, Gas		LS	--	--	--	(4,420)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(484)
Storm Drainage		LS	--	--	--	(177)
Site Imp(1,175) Demo()		LS	--	--	--	(1,175)
Information Systems		LS	--	--	--	(461)
Antiterrorism Measures		LS	--	--	--	(47)
ESTIMATED CONTRACT COST						20,284
CONTINGENCY (5.00%)						1,014
SUBTOTAL						21,298
SUPV, INSP & OVERHEAD (5.70%)						1,214
TOTAL REQUEST						22,512
TOTAL REQUEST (ROUNDED)						23,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct an Unmanned Aerial Systems (UAS) Complex to include a standard design company operations facility with covered hardstand, a vehicle maintenance shop, organizational storage, hazardous waste and oil storage, organizational vehicle parking, taxiways and runway overrun areas, and building information systems. Primary facility also includes fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connections. Sustainability/Energy Measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 404 kW _r /115 Tons).						

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		06 FEB 2012

3. INSTALLATION AND LOCATION
Fort Campbell, Kentucky

4. PROJECT TITLE	5. PROJECT NUMBER
Unmanned Aerial Vehicle Complex	76239

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Hazardous Waste Storage	m2 (SF)	89.19 (960)	1,634	(146)
Organizational Vehicle Parking	m2 (SY)	17,086 (20,435)	113.95	(1,947)
Fixd Wing Taxiway	m2 (SY)	5,390 (6,446)	242.65	(1,308)
Runway Overrun Area	m2 (SY)	5,574 (6,667)	118.06	(658)
Sustainability/Energy Measures	LS	--	--	(161)
			Total	4,220

11. REQ: 159,834 m2 ADQT: 8,295 m2 SUBSTD: 58,691 m2
PROJECT: Construct standard design facilities for an Unmanned Aerial Vehicle Complex at Fort Campbell, Kentucky. (Current Mission)
REQUIREMENT: This project is required to provide facilities for fielding of Range/ Multipurpose (ERMP) Unmanned Aircraft System (UAS) Companies. This will allow the ERMP UAS unit to maintain readiness to provide the capability to perform reconnaissance, surveillance, communications and target acquisition. These facilities are required to provide aircraft maintenance, repair, and storage as well as administration of company operations.
CURRENT SITUATION: There are no facilities to accommodate ERMP UAS companies at Fort Campbell, KY. A shortfall of company operations facilities and vehicle maintenance shops exists. All existing facilities suitable for use under these facility category codes are fully utilized. Existing facilities are not available to fully perform company level administration, supply activities, and vehicle and equipment maintenance. Both COF and maintenance functions would be accomplished by the use of temporary modular units.
IMPACT IF NOT PROVIDED: If this project is not provided, it will have a negative impact on unit readiness. UAS companies will lack adequate facilities to perform mission training, maintenance, and efficient operations adversely impacting morale, retention, and readiness.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 76239
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ADDITIONAL: (CONTINUED)
laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... JUN 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... JUL 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Adapt-Build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Campbell

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 577
 - (b) All Other Design Costs..... 1,195
 - (c) Total Design Cost..... 1,772
 - (d) Contract..... 1,195
 - (e) In-house..... 577

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... MAR 2013

 - (6) Construction Completion..... APR 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Campbell, Kentucky

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 76239
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 270-798-9700

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Knox Kentucky			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.04	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	2172	7201	5503	191	347	64	50 640 6630 22,798
B. END FY 2017	2101	6959	4907	23	256	41	43 589 5519 20,438
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	44,156 ha		(109,111 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							6,560,722
C. AUTHORIZATION NOT YET IN INVENTORY.....							344,681
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							6,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							411,979
H. GRAND TOTAL.....							7,323,382
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
178	5924	Automated Infantry Squad Battle Course		6,000	09/2010	10/2012	
TOTAL				6,000			
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Fort Knox houses the following: Headquarters Fort Knox, Human Resources Center of Excellence, Brigade Combat Team, HQ USA Recruiting Command, USA Accessions Support Bde, Fort Knox MEDDAC, Fort Knox DENTAC, 46th AG Battalion (Reception), US Army Research Institute, USA Test & Evaluation Command, U.S. Army Second ROTC Region, U.S. Army ROTC Cadet Command, Logistical Assistance and Protection of Gold Depository, Det 5, USA NCO Academy/Drill Sergeant School, U.S. Army Legal Services Agency, AMC Logistic Assistance Office - Fort Knox, Fort Knox District, Third Region, USACIDC, U.S. Army TMDE Support Operation, Summer Training, Reserve and National Guard Training Support, and Support of Civilian Components.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Knox, Kentucky

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Knox Kentucky				4.PROJECT TITLE Automated Infantry Squad Battle Course		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 05924		8.PROJECT COST (\$000) Auth 6,000 Approp 6,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						4,783
Infantry Squad Battle Course		LN	5 --		581,473	(2,907)
Range Operations Control Area		EA	1 --		420,557	(421)
Range Control Tower		EA	1 --		476,340	(476)
Classroom Building		m2 (SF)	75.81 (816)		2,822	(214)
Operations/Storage Building		m2 (SF)	75.81 (816)		2,822	(214)
Total from Continuation page						(551)
<u>SUPPORTING FACILITIES</u>						582
Electric Service		LS	--		--	(4)
Site Imp(230) Demo(4)		LS	--		--	(234)
Information Systems		LS	--		--	(344)
ESTIMATED CONTRACT COST						5,365
CONTINGENCY (5.00%)						268
SUBTOTAL						5,633
SUPV, INSP & OVERHEAD (5.70%)						321
TOTAL REQUEST						5,954
TOTAL REQUEST (ROUNDED)						6,000
INSTALLED EQT-OTHER APPROP						(1,447)
10.Description of Proposed Construction Construct a standard design Infantry Squad Battle Course (ISBC). Primary facilities include the ISBC, range operations control area, range control tower, classroom building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service, site improvements, and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 2 buildings (TOTAL 102 m2/1,100 SF). Air Conditioning (Estimated 28 kW _r /8 Tons).						
11. REQ:		5 FP ADQT:		NONE		SUBSTD: NONE
PROJECT: Construct a standard design Automated Infantry Squad Battle Course (ISBC) at Fort Knox, Kentucky. (Current Mission)						
REQUIREMENT: This project is required to train and test infantry squads at Fort Knox on the skills necessary to conduct tactical movement techniques; detect, identify, engage, and defeat stationary and moving infantry targets in a tactical array. Squad level tactical training provides foundational combat						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Knox, Kentucky

4. PROJECT TITLE Automated Infantry Squad Battle Course	5. PROJECT NUMBER 05924
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	m2 (SF)	30.66 (330)	6,181	(190)
Bleacher Enclosure	EA	1 --	103,672	(104)
Covered Mess	m2 (SF)	74.32 (800)	1,471	(109)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	7,574	(130)
Sustainability/Energy Measures	LS	--	--	(18)
			Total	551

REQUIREMENT: (CONTINUED)

skills necessary to progress further in tactical proficiencies.

CURRENT SITUATION: Fort Knox does not have an Infantry Squad Battle Course (ISBC). Soldiers are required to expend extensive resources to configure temporary non-standard ISBC layouts in areas that have no infrastructure to support training. The ability of the modern Infantry Squad to train to required tactics, techniques, and procedures are degraded because no standard ISBC exists at Fort Knox.

IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will continue to train on inadequate ranges. These units will not train to standard, and may enter future combat less than fully prepared.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	SEP 2010
(b) Percent Complete As Of January 2012.....	35.00
(c) Date 35% Designed.....	JAN 2012
(d) Date Design Complete.....	OCT 2012
(e) Parametric Cost Estimating Used to Develop Costs	YES

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Knox, Kentucky

4. PROJECT TITLE Automated Infantry Squad Battle Course	5. PROJECT NUMBER 05924
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(f) Type of Design Contract: Design-bid-build

(2) Basis:

(a) Standard or Definitive Design: YES

(b) Where Most Recently Used:

Fort Drum

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 300

(b) All Other Design Costs..... 200

(c) Total Design Cost..... 500

(d) Contract..... 350

(e) In-house..... 150

(4) Construction Contract Award..... JAN 2013

(5) Construction Start..... APR 2013

(6) Construction Completion..... APR 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Targetry and Instrumentation	OPA	2013	1,400
Info Sys - ISC	OPA	2014	47
		TOTAL	1,447

Installation Engineer:

Phone Number: 502-624-2151

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Missouri	Fort Leonard Wood (IMCOM)				123
54489	Trainee Barracks Complex 3, Ph 2	58,000	58,000	C	125
65679	Vehicle Maintenance Shop	39,000	39,000	C	129
66099	Battalion Complex Facilities	26,000	26,000	C	133
		-----	-----		
	Subtotal Fort Leonard Wood Part I	\$ 123,000	123,000		
	* TOTAL MCA FOR Missouri	\$ 123,000	123,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.08	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 30 NOV 2011	991	6003	2738	1047	17005	99	
B. END FY 2017	1001	5647	2894	1074	14931	90	
						37	
						2032	
						3834	
						33,786	
						31,540	
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	25,605 ha		(63,270 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....					4,449,971		
C. AUTHORIZATION NOT YET IN INVENTORY.....					945,736		
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....					123,000		
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....					82,700		
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....					0		
G. REMAINING DEFICIENCY.....					3,277,841		
H. GRAND TOTAL.....					8,879,248		
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY	PROJECT				COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START COMPLETE	
721	54489	Trainee Barracks Complex 3, Ph 2			58,000	01/2011 10/2012	
214	65679	Vehicle Maintenance Shop			39,000	08/2010 01/2013	
141	66099	Battalion Complex Facilities			26,000	10/2010 10/2012	
					TOTAL	123,000	
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY					COST		
CODE		PROJECT TITLE			(\$000)		
A. INCLUDED IN THE FY 2014 PROGRAM:							
721		Trainee Barracks Complex 2, Ph 2			54,000		
214		Vehicle Maintenance Shop			25,000		
172		Training Aids Center			3,700		
					TOTAL	82,700	
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for a US Army Training Center, US Army Engineer School, US Army Prime Power School, US Army Chemical School, US Army Military Police School, US Army Reception Station, Noncommissioned Officer Academy/Drill Sergeant School, US Army Hospital, major combat and combat support forces and other tenant activities. Supports Reserve Components and other satellite activities and units.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Leonard Wood, Missouri

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Leonard Wood Missouri				4.PROJECT TITLE Trainee Barracks Complex 3, Ph 2		
5.PROGRAM ELEMENT 85796A		6.CATEGORY CODE 721	7.PROJECT NUMBER 54489		8.PROJECT COST (\$000) Auth 58,000 Approp 58,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						48,266
Barracks/Company Ops Fac		m2 (SF)	18,573 (199,923)		1,957	(36,342)
Dining Facility		m2 (SF)	3,136 (33,760)		3,305	(10,364)
Special Foundations		LS	--		--	(613)
Sustainability/Energy Measures		LS	--		--	(947)
<u>SUPPORTING FACILITIES</u>						3,545
Electric Service		LS	--		--	(737)
Water, Sewer, Gas		LS	--		--	(323)
Steam And/Or Chilled Water Dist		LS	--		--	(33)
Paving, Walks, Curbs & Gutters		LS	--		--	(825)
Storm Drainage		LS	--		--	(179)
Site Imp(1,420) Demo()		LS	--		--	(1,420)
Information Systems		LS	--		--	(27)
Antiterrorism Measures		LS	--		--	(1)
ESTIMATED CONTRACT COST						51,811
CONTINGENCY (5.00%)						2,591
SUBTOTAL						54,402
SUPV, INSP & OVERHEAD (5.70%)						3,101
TOTAL REQUEST						57,503
TOTAL REQUEST (ROUNDED)						58,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction This project consists of 2 phases. This is Phase 2 for \$58M. Phase 1 (PN 51857) was appropriated in FY10 for \$50M. Phase 2 Constructs a standard-design, battalion-size, trainee barracks complex for 1200 trainees. Primary facilities include five open-bay barracks for three companies with company operations and classrooms space; and a dining facility; Intrusion Detection System (IDS) installation; Energy Monitoring and Control System (EMCS) connections; antiterrorism measures; building information systems; and fire protection and alarm systems. Special foundations are required. Sustainability/Energy Measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, street realignment, storm drainage, underground stormwater detention and water quality management facilities, information systems, landscaping, and signage. Heating and air conditioning will be provided by a central plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri		
4. PROJECT TITLE Trainee Barracks Complex 3, Ph 2	5. PROJECT NUMBER 54489	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) building envelope and integrated building systems performance. Air Conditioning (Estimated 2,040 kW/580 Tons).		
<p>11. REQ: 12,689 PN ADQT: 3,840 PN SUBSTD: 6,720 PN PROJECT: Construct Phase 2 of a Trainee Barracks Complex at Fort Leonard Wood, Missouri. (Current Mission) REQUIREMENT: This project is required to provide a standard design Initial Entry Trainee Barracks for Soldiers receiving basic training at Fort Leonard Wood. The design capacity for this complex is 1,200 trainees. CURRENT SITUATION: There is a lack of permanent trainee facilities at Fort Leonard Wood. The permanent barracks are filled to capacity. Fort Leonard Wood must prepare temporary barracks for projected summer surges along with utilizing leased, prefabricated barracks. The permanent barracks lack air conditioning and adequate latrine facilities. The Soldiers cannot get proper sleep during July and August due to extreme heat and humidity. This negatively impacts training and results in reduced training effectiveness. Latrine usage must be divided between male and female Soldiers. Areas for clothes washing and laundry disposition are inadequate. These deficient facilities force trainers to schedule additional personal hygiene periods which ultimately leads to a reduction in valuable training time. IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will continue to live and train in substandard facilities that do not meet Army standards. These conditions may have a negative impact on Soldier morale, welfare, and health; ultimately impacting their ability to complete training. A lack of capacity also delays Soldiers from entering basic training due to lack of training infrastructure. ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p> <p>During the past two years, \$58M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Fort Leonard Wood. Upon completion of this multi-phased project and other projects approved through FY 2014, the remaining unaccompanied enlisted permanent party deficit is 0 personnel at</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Trainee Barracks Complex 3, Ph 2	5. PROJECT NUMBER 54489
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ADDITIONAL: (CONTINUED)
this installation.

	FY2010 (\$000)	Requested FY2013 (\$000)
Authorization	\$50,000	\$58,000
Authorization of Appropriation	\$50,000	\$58,000
Appropriation	\$50,000	\$58,000

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	<u>JAN 2011</u>
(b) Percent Complete As Of January 2012.....	<u>35.00</u>
(c) Date 35% Designed.....	<u>JAN 2012</u>
(d) Date Design Complete.....	<u>OCT 2012</u>
(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>
(f) Type of Design Contract: Adapt-Build	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Most Recently Used:
Fort Leonard Wood

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	<u>817</u>
(b) All Other Design Costs.....	<u>817</u>
(c) Total Design Cost.....	<u>1,634</u>
(d) Contract.....	<u>817</u>
(e) In-house.....	<u>817</u>

(4) Construction Contract Award..... MAR 2013

(5) Construction Start..... JUN 2013

(6) Construction Completion..... JUN 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Trainee Barracks Complex 3, Ph 2	5. PROJECT NUMBER 54489
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 573-596-3233

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri				4. PROJECT TITLE Vehicle Maintenance Shop		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 214	7. PROJECT NUMBER 65679		8. PROJECT COST (\$000) Auth 39,000 Approp 39,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						25,648
Vehicle Maintenance Shop		m2 (SF)	5,617 (60,461)		2,304	(12,943)
Organizational Vehicle Parking		m2 (SY)	60,697 (72,593)		92.47	(5,613)
Organizational Storage		m2 (SF)	1,483 (15,965)		982.53	(1,457)
Oil Storage Bldg		m2 (SF)	100.52 (1,082)		1,636	(164)
Hazardous Waste Storage		m2 (SF)	100.52 (1,082)		1,636	(164)
Total from Continuation page						(5,307)
<u>SUPPORTING FACILITIES</u>						9,056
Electric Service		LS	--		--	(785)
Water, Sewer, Gas		LS	--		--	(515)
Paving, Walks, Curbs & Gutters		LS	--		--	(348)
Storm Drainage		LS	--		--	(2,774)
Site Imp(3,954) Demo()		LS	--		--	(3,954)
Information Systems		LS	--		--	(508)
Antiterrorism Measures		LS	--		--	(172)
ESTIMATED CONTRACT COST						34,704
CONTINGENCY (5.00%)						1,735
SUBTOTAL						36,439
SUPV, INSP & OVERHEAD (5.70%)						2,077
TOTAL REQUEST						38,516
TOTAL REQUEST (ROUNDED)						39,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct a standard design Vehicle Maintenance Shop. Primary facilities include the maintenance shop, organizational vehicle parking, organizational storage, tactical unmanned aerial vehicle maintenance/storage building, substation, oil storage, and hazardous waste storage. Construction includes special foundations, fire protection and alarm systems, building information systems, antiterrorism measures, and Energy Monitoring and Control System (EMCS) connections. Sustainability/ Energy measures will be provided. Supporting facilities include utilities, lift station, electric service, site grading, access roads, lighting, paving, parking, walks, curbs and gutters, storm drainage to include storm water retention areas, information systems, signage, and site improvements. Traffic signals, street and intersection improvements are also required. Comprehensive building and furnishings related to interior design services are required. Heat and air conditioning will be provided by self-contained systems. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 211 kW/60 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Vehicle Maintenance Shop	5. PROJECT NUMBER 65679
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Unmanned Aerial Vehicle Storage	m2 (SF)	177.07 (1,906)	1,514	(268)
Substation	kVA(KVA)	44,000 (44,000)	84.03	(3,697)
Special Foundations	LS	--	--	(354)
Sustainability/Energy Measures	LS	--	--	(988)
			Total	5,307

11. REQ: 47,204 m2 ADQT: 9,222 m2 SUBSTD: 3,012 m2

PROJECT: Construct a standard design Vehicle Maintenance Shop (VMS) at Fort Leonard Wood, Missouri. (Current Mission)

REQUIREMENT: This project is required to provide mission-critical facilities to support units stationed at Fort Leonard Wood. This project will provide maintenance, operations, and storage facilities that comply with Army standards for space, security and storage.

CURRENT SITUATION: The amount of existing VMS's are well below the amount needed to support operational units. Adequate existing facilities are not available on the installation to accommodate maintenance requirements. All existing facilities suitable for use under the required facility category codes are fully utilized.

IMPACT IF NOT PROVIDED: If this project is not provided, operational, equipment, and training readiness will be adversely impacted by the lack of maintenance facilities. There are not enough adequate facilities for operations, organizational storage and vehicle maintenance. Inadequate facilities will adversely impact overall readiness to contribute to the contingency operations and other operational missions.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012																						
3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri																								
4. PROJECT TITLE Vehicle Maintenance Shop	5. PROJECT NUMBER 65679																							
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td><u>AUG 2010</u></td> </tr> <tr> <td>(b) Percent Complete As Of January 2012.....</td> <td><u>35.00</u></td> </tr> <tr> <td>(c) Date 35% Designed.....</td> <td><u>JAN 2012</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>JAN 2013</u></td> </tr> <tr> <td>(e) Parametric Cost Estimating Used to Develop Costs</td> <td><u>YES</u></td> </tr> <tr> <td>(f) Type of Design Contract: Adapt-Build</td> <td></td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: YES</p> <p>(b) Where Most Recently Used: Fort Leonard Wood</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td><u>556</u></td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td><u>928</u></td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td><u>1,484</u></td> </tr> <tr> <td>(d) Contract.....</td> <td><u>928</u></td> </tr> <tr> <td>(e) In-house.....</td> <td><u>556</u></td> </tr> </table> <p>(4) Construction Contract Award..... <u>APR 2013</u></p> <p>(5) Construction Start..... <u>JUL 2013</u></p> <p>(6) Construction Completion..... <u>JUL 2015</u></p>			(a) Date Design Started.....	<u>AUG 2010</u>	(b) Percent Complete As Of January 2012.....	<u>35.00</u>	(c) Date 35% Designed.....	<u>JAN 2012</u>	(d) Date Design Complete.....	<u>JAN 2013</u>	(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>	(f) Type of Design Contract: Adapt-Build		(a) Production of Plans and Specifications.....	<u>556</u>	(b) All Other Design Costs.....	<u>928</u>	(c) Total Design Cost.....	<u>1,484</u>	(d) Contract.....	<u>928</u>	(e) In-house.....	<u>556</u>
(a) Date Design Started.....	<u>AUG 2010</u>																							
(b) Percent Complete As Of January 2012.....	<u>35.00</u>																							
(c) Date 35% Designed.....	<u>JAN 2012</u>																							
(d) Date Design Complete.....	<u>JAN 2013</u>																							
(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>																							
(f) Type of Design Contract: Adapt-Build																								
(a) Production of Plans and Specifications.....	<u>556</u>																							
(b) All Other Design Costs.....	<u>928</u>																							
(c) Total Design Cost.....	<u>1,484</u>																							
(d) Contract.....	<u>928</u>																							
(e) In-house.....	<u>556</u>																							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Vehicle Maintenance Shop	5. PROJECT NUMBER 65679
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 573-596-3233

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri				4. PROJECT TITLE Battalion Complex Facilities		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 141	7. PROJECT NUMBER 66099		8. PROJECT COST (\$000) Auth 26,000 Approp 26,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						19,815
Company Operations Facilities		m2 (SF)	6,428 (69,189)		1,761	(11,323)
Covered Hardstand		m2 (SF)	1,203 (12,954)		498.04	(599)
Battalion HQs w/Classrooms		m2 (SF)	1,715 (18,462)		2,530	(4,339)
Special Foundations		LS	--		--	(524)
Sustainability/Energy Measures		LS	--		--	(3,030)
<u>SUPPORTING FACILITIES</u>						3,296
Electric Service		LS	--		--	(531)
Water, Sewer, Gas		LS	--		--	(171)
Paving, Walks, Curbs & Gutters		LS	--		--	(843)
Storm Drainage		LS	--		--	(283)
Site Imp(1,107) Demo(157)		LS	--		--	(1,264)
Information Systems		LS	--		--	(204)
ESTIMATED CONTRACT COST						23,111
CONTINGENCY (5.00%)						1,156
SUBTOTAL						24,267
SUPV, INSP & OVERHEAD (5.70%)						1,383
TOTAL REQUEST						25,650
TOTAL REQUEST (ROUNDED)						26,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct a standard design Battalion Headquarters building with Classrooms, and Company Operations Facilities (COF) with covered hardstand. Primary facilities include special foundations, fire protection and alarm systems, building information systems, Intrusion Detection System (IDS) installation, and Energy Monitoring and Control System (EMCS)connections. Sustainability/ Energy measures will be provided. Supporting facilities include electrical service; water, sewer, and gas; paving, walks, curbs and gutters; storm drainage; site improvements; and information systems. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related to interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 13 buildings (TOTAL 3,116 m2/33,545 SF). Air Conditioning (Estimated 510 kWr/145 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Battalion Complex Facilities	5. PROJECT NUMBER 66099
--	--------------------------------

11. REQ: 19,513 m2 ADQT: 11,658 m2 SUBSTD: 353 m2

PROJECT: Construct standard design Battalion Complex Facilities at Fort Leonard Wood, Missouri. (Current Mission)

REQUIREMENT: This project is required to provide facilities in support of units relocated to Fort Leonard Wood under the Army's Global Defense Posture Realignment (GDPR).

CURRENT SITUATION: The units are currently utilizing inadequate and temporary, relocatable facilities. Existing assets are insufficient to satisfy requirements.

IMPACT IF NOT PROVIDED: If the project is not provided, units will continue to utilize inadequate and deteriorated facilities, including areas exposed to the environment, which may adversely impact mission accomplishment and quality of life.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... OCT 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Adapt-Build

- (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Knox

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 852

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4. PROJECT TITLE Battalion Complex Facilities	5. PROJECT NUMBER 66099
--	--------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs.....	335
(c) Total Design Cost.....	1,187
(d) Contract.....	852
(e) In-house.....	335
(4) Construction Contract Award.....	FEB 2013
(5) Construction Start.....	MAY 2013
(6) Construction Completion.....	MAY 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
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NA

Installation Engineer:
Phone Number: 573-596-3233

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
New Jersey	Joint Base McGuire-Dix-Lakehurst (AMC)				
71675	Flight Equipment Complex	47,000	47,000	C	139
	Subtotal JB McGuire-Dix-Lakehurst Part I	\$ 47,000	47,000		
	Picatinny Arsenal (IMCOM)				143
51519	Ballistic Evaluation Center	10,200	10,200	C	145
	Subtotal Picatinny Arsenal Part I	\$ 10,200	10,200		
	* TOTAL MCA FOR New Jersey	\$ 57,200	57,200		

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Joint Base McGuire-Dix-Lakehurst New Jersey				4.PROJECT TITLE Flight Equipment Complex		
5.PROGRAM ELEMENT 72896A		6.CATEGORY CODE 311	7.PROJECT NUMBER 71675		8.PROJECT COST (\$000) Auth 47,000 Approp 47,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						34,692
Low Bay Hangar		m2 (SF)	4,122 (44,370)		3,277	(13,507)
High-Bay Hangar		m2 (SF)	2,067 (22,252)		4,173	(8,626)
Aircraft Component Maint Shop		m2 (SF)	1,306 (14,056)		2,495	(3,258)
Administrative Facility		m2 (SF)	1,750 (18,840)		3,168	(5,545)
Sensitive Compart Info Facility		m2 (SF)	116.13 (1,250)		3,660	(425)
Total from Continuation page						(3,331)
<u>SUPPORTING FACILITIES</u>						7,701
Electric Service		LS	--		--	(553)
Water, Sewer, Gas		LS	--		--	(830)
Paving, Walks, Curbs & Gutters		LS	--		--	(3,070)
Storm Drainage		LS	--		--	(434)
Site Imp(2,152) Demo()		LS	--		--	(2,152)
Information Systems		LS	--		--	(514)
Antiterrorism Measures		LS	--		--	(148)
ESTIMATED CONTRACT COST						42,393
CONTINGENCY (5.00%)						2,120
SUBTOTAL						44,513
SUPV, INSP & OVERHEAD (5.70%)						2,537
TOTAL REQUEST						47,050
TOTAL REQUEST (ROUNDED)						47,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a Flight Equipment Complex. Primary facilities include a high bay aircraft hangar, aircraft component maintenance shop, administrative facility, low bay hangar, fixed-wing taxiway, landing pad lighting, rotary wing landing pad, taxiway lighting, a Sensitive Compartmented Information Facility (SCIF), fire protection and alarm system, Energy Monitoring and Control Systems (EMCS) connections, Intrusion Detection System (IDS) installation, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service, water and sewer, paving, walks, curbs and gutters, storm drainage, site improvements, information systems, and antiterrorism/force protection (AT/FP) measures. Equipment will be relocated from existing facility. Comprehensive building and furnishing related interior design services are required. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for buildings standards will be provided. Heating and air conditioning will be provided by self-contained units. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 299 kW/85 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base McGuire-Dix-Lakehurst, New Jersey

4. PROJECT TITLE Flight Equipment Complex	5. PROJECT NUMBER 71675
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Fixed Wing Taxiway	m2 (SY)	9,293 (11,114)	162.37	(1,509)
Rotary Wing Landing Pad	m2 (SY)	928.94 (1,111)	166.02	(154)
Taxiway Lighting	EA	42 --	8,301	(349)
Landing Pad Lighting	EA	22 --	8,301	(183)
IDS Installation	LS	--	--	(50)
EMCS Connection	LS	--	--	(98)
Sustainability/Energy Measures	LS	--	--	(615)
Building Information Systems	LS	--	--	(373)
			Total	3,331

11. REQ: 9,993 m2 ADQT: NONE SUBSTD: NONE
PROJECT: Construct a Flight Equipment Complex at Joint Base McGuire-Dix-Lakehurst, New Jersey. (Current Mission)
REQUIREMENT: This project is required to provide a flight equipment complex for the Communications Electronics Research Development and Engineering Center (CERDEC) Flight Activity (CFA). CERDEC requires a rotary, fixed wing, and unmanned aerial vehicle (UAV) aircraft hangar; aircraft pavements; shops; storage; administrative space and a SCIF to conduct their research, development, test, and evaluation mission. Manned aircraft activities include high and low altitude test flights with day and night operations. Unmanned Aerial Vehicle (UAV) testing includes fixed wing and rotary wing.
CURRENT SITUATION: CERDEC Flight Activity operates out of a pre-World War II wooden hangar. The condition of the hangar has necessitated the installation of safety netting on the inside of the hangar to prevent debris from falling on personnel, aircraft and equipment.
IMPACT IF NOT PROVIDED: If this project is not provided, the CERDEC Flight Activity (CFA) will be negatively impacted. Research, test, and evaluation may deminish resulting in repeated testing and evaluation. Overall mission attainment may be compromised as well as personnel safety.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will

1.COMONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
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3.INSTALLATION AND LOCATION

Joint Base McGuire-Dix-Lakehurst, New Jersey

4.PROJECT TITLE Flight Equipment Complex	5.PROJECT NUMBER 71675
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ADDITIONAL: (CONTINUED)
be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... NOV 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: NO

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 2,217
 - (b) All Other Design Costs..... 1,774
 - (c) Total Design Cost..... 3,991
 - (d) Contract..... 2,217
 - (e) In-house..... 1,774

 - (4) Construction Contract Award..... MAR 2013

 - (5) Construction Start..... MAY 2013

 - (6) Construction Completion..... NOV 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base McGuire-Dix-Lakehurst, New Jersey

4. PROJECT TITLE Flight Equipment Complex	5. PROJECT NUMBER 71675
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer:
Phone Number: 973-724-2434

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012				
3. INSTALLATION AND LOCATION Picatinny Arsenal New Jersey			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 1.22				
6. PERSONNEL STRENGTH:											
		PERMANENT			STUDENTS			SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011		106	107	3039	0	0	0	3	13	2919	6,187
B. END FY 2017		109	117	2940	0	0	0	3	13	2918	6,100
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		2,628 ha			(6,493 AC)						
B. INVENTORY TOTAL AS OF 12 JAN 2012.....											1,498,886
C. AUTHORIZATION NOT YET IN INVENTORY.....											104,106
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....											10,200
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....											0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....											0
G. REMAINING DEFICIENCY.....											383,074
H. GRAND TOTAL.....											1,996,266
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:											
CATEGORY PROJECT							COST	DESIGN STATUS			
CODE	NUMBER	PROJECT TITLE					(\$000)	START	COMPLETE		
316	51519	Ballistic Evaluation Center					10,200	03/2011	10/2012		
TOTAL							10,200				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE					(\$000)					
A. INCLUDED IN THE FY 2014 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Mission: To conduct R&D and life cycle engineering of assigned material. To execute assigned missions in support of other US AMC or DOD elements having centralized management responsibility for specific weapon systems. To maintain a technological base to accomplish development, productions and life cycle support of assigned materiel.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Picatinny Arsenal, New Jersey

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)

(\$000)

B. WATER POLLUTION

0

C. OCCUPATIONAL SAFETY AND HEALTH

0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Picatinny Arsenal New Jersey				4.PROJECT TITLE Ballistic Evaluation Center		
5.PROGRAM ELEMENT 72896A		6.CATEGORY CODE 316	7.PROJECT NUMBER 51519		8.PROJECT COST (\$000) Auth 10,200 Approp 10,200	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>					7,341	
Tube Storage/Inspection Area		m2 (SF)	297.29 (3,200)	5,902	(1,755)	
Fragment Recovery Areas		m2 (SF)	1,314 (14,140)	941.41	(1,237)	
Storage Shed, Covered		m2 (SF)	55.74 (600)	932.72	(52)	
Vehicle Storage Shed		m2 (SF)	267.56 (2,880)	1,238	(331)	
Ammunition/Explosive/Toxic Bldg		m2 (SF)	232.26 (2,500)	7,731	(1,796)	
Total from Continuation page					(2,170)	
<u>SUPPORTING FACILITIES</u>					1,763	
Electric Service		LS	--	--	(35)	
Water, Sewer, Gas		LS	--	--	(670)	
Steam And/Or Chilled Water Dist		LS	--	--	(2)	
Paving, Walks, Curbs & Gutters		LS	--	--	(290)	
Storm Drainage		LS	--	--	(14)	
Site Imp(263) Demo(391)		LS	--	--	(654)	
Information Systems		LS	--	--	(98)	
ESTIMATED CONTRACT COST					9,104	
CONTINGENCY (5.00%)					455	
SUBTOTAL					9,559	
SUPV, INSP & OVERHEAD (5.70%)					545	
TOTAL REQUEST					10,104	
TOTAL REQUEST (ROUNDED)					10,200	
INSTALLED EQT-OTHER APPROP					()	
10.Description of Proposed Construction Construct a Ballistic Evaluation Center. Primary facilities include tube storage/inspection area, fragment recovery sifter, covered storage shed, ammunition/explosives/toxic butts recovery areas, research and development range structure, shell recovery area, crane rails, building information systems, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included to safeguard the handling and storage of explosive ordnance. Energy Monitoring and Control Systems (EMCS) connections and Intrusion Detection System (IDS) are required. Sustainability/Energy Measures will be provided. Supporting facilities include parking, access roads, security gates, site utilities including storm drainage with water retention areas, electric, water, septic system, repair existing steam/chill system, curbs, gutters, exterior lighting, and signage. Air Conditioning will be provided by self-contained units. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 3 buildings (TOTAL 1,022 m2/11,006 SF). Air Conditioning (Estimated 169 kW _r /48 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Picatinny Arsenal, New Jersey

4. PROJECT TITLE Ballistic Evaluation Center	5. PROJECT NUMBER 51519
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
RDT&E Range Structure	m2 (SF)	278.71 (3,000)	1,901	(530)
Shell Recovery Area	EA	1 --	1099593	(1,100)
Crane Rail	kg (TON)	907.19 (1)	80.62	(73)
IDS Installation	LS	--	--	(15)
EMCS Connections	LS	--	--	(18)
Sustainability/Energy Measures	LS	--	--	(251)
Antiterrorism Measures	LS	--	--	(107)
Building Information Systems	LS	--	--	(76)
			Total	2,170

11. REQ: 9,164 m2 ADQT: 5,032 m2 SUBSTD: 397 m2
PROJECT: Construct a Ballistic Evaluation Center at Picatinny Arsenal, New Jersey. (Current Mission)
REQUIREMENT: This project is required to modernize the Ballistic Evaluation Center and to provide state-of-the-art facilities for the Armaments Experimentation & Evaluation Division (AE&ED). This will allow AE&ED to conduct experimental evaluations of developmental large caliber weapons, projectiles, and propellants. Malfunction investigations will also be performed on fielded ammunition, weapons, and surveillance inspections/evaluations of stockpiled ammunition.
CURRENT SITUATION: The area being used was designed in the 1950s. The existing buildings were not designed to withstand the overpressure blast generated from modern high velocity weapon systems. The buildings' exterior walls and roof are sustaining structural damage due to repeated exposure to the elements. Water infiltration and water damage affect mission operations and damage equipment. This facility does not contain temperature and humidity controls, or environmental access controls to maintain safe handling conditions. The out buildings are temporary and are in poor condition; with minimal usable space.
IMPACT IF NOT PROVIDED: If this project is not provided, munitions testing and evaluation will be negatively impacted. Reliability of tests may diminish resulting in repeated testing and evaluation. Overall mission attainment may be compromised as well as personnel safety.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security measures are required. No antiterrorism protection measures are required. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Picatinny Arsenal, New Jersey

4. PROJECT TITLE Ballistic Evaluation Center	5. PROJECT NUMBER 51519
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ADDITIONAL: (CONTINUED)
 this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... MAR 2011
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs NO
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: NO

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 571
 - (b) All Other Design Costs..... 380
 - (c) Total Design Cost..... 951
 - (d) Contract..... 571
 - (e) In-house..... 380

 - (4) Construction Contract Award..... APR 2013

 - (5) Construction Start..... JUN 2013

 - (6) Construction Completion..... AUG 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Picatinny Arsenal, New Jersey

4. PROJECT TITLE Ballistic Evaluation Center	5. PROJECT NUMBER 51519
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer:
Phone Number: 973-724-3664

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
New York	Fort Drum (IMCOM)				151
80246	Aircraft Maintenance Hangar	95,000	95,000	C	153
	Subtotal Fort Drum Part I	\$ 95,000	95,000		
	United States Military Academy (IMCOM)				157
79933	Cadet Barracks	192,000	192,000	C	159
	Subtotal United States Military Academy Part I	\$ 192,000	192,000		
	* TOTAL MCA FOR New York	\$ 287,000	287,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Drum New York			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.11	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	2200	15346	1944	0	68	0	184 825 2944 23,511
B. END FY 2017	2179	15016	1974	0	67	0	190 837 2673 22,936
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	43,409 ha		(107,265 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....	5,441,188						
C. AUTHORIZATION NOT YET IN INVENTORY.....	1,455,603						
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....	95,000						
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....	0						
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	2,023,583						
H. GRAND TOTAL.....	9,015,374						
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT					COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START COMPLETE	
211	80246	Aircraft Maintenance Hangar			95,000	08/2011 10/2013	
TOTAL					95,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY					COST		
CODE	PROJECT TITLE			(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):					N/A		
10. MISSION OR MAJOR FUNCTIONS:							
The 10th Mountain Division and Fort Drum trains, equips, projects and sustains campaign quality force packages to provide regional combatant commanders the capability to sustain joint and expeditionary operations while caring for Soldiers and their Families.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
					(\$000)		
A. AIR POLLUTION					0		
B. WATER POLLUTION					0		
C. OCCUPATIONAL SAFETY AND HEALTH					0		

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Drum New York				4.PROJECT TITLE Aircraft Maintenance Hangar		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 211	7.PROJECT NUMBER 80246		8.PROJECT COST (\$000) Auth 95,000 Approp 95,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						59,603
Aircraft Secure Storage Bays		m2 (SF)	12,888 (138,721)		1,866	(24,048)
Aircraft Maintenance Bay		m2 (SF)	3,679 (39,603)		3,449	(12,689)
Flight Control Tower		m2 (SF)	835.38 (8,992)		8,226	(6,872)
Company Operations Facilities		m2 (SF)	3,044 (32,766)		2,219	(6,754)
Renovate Hangar Sprinkler Sys		m2 (SF)	40,823 (439,415)		56.83	(2,320)
Total from Continuation page						(6,920)
<u>SUPPORTING FACILITIES</u>						22,452
Electric Service		LS	--		--	(566)
Water, Sewer, Gas		LS	--		--	(13,853)
Steam And/Or Chilled Water Dist		LS	--		--	(811)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,090)
Storm Drainage		LS	--		--	(285)
Site Imp(988) Demo(163)		LS	--		--	(1,151)
Information Systems		LS	--		--	(4,554)
Antiterrorism Measures		LS	--		--	(142)
ESTIMATED CONTRACT COST						82,055
CONTINGENCY (5.00%)						4,103
SUBTOTAL						86,158
SUPV, INSP & OVERHEAD (5.70%)						4,911
DESIGN/BUILD - DESIGN COST						3,446
TOTAL REQUEST						94,515
TOTAL REQUEST (ROUNDED)						95,000
INSTALLED EQT-OTHER APPROP						(1,218)
10.Description of Proposed Construction Construct an Aircraft Maintenance Hangar and infrastructure. Primary facilities include Aircraft Maintenance Hangar, Aircraft Secure Storage Bays, Company Operations Facilities, oil and hazardous waste storage, Flight Control Tower, airfield paving, major utility systems (gas, sanitary sewer, water lines, and sewage treatment), special foundations, fire protection and alarm systems, installation of Intrusion Detection System (IDS), Energy Monitoring and Control System (EMCS) connections, and building information systems. Sustainability/ Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, curbs and gutters, storm drainage, information systems, fencing, landscaping and signage. Measures in accordance with the Department of Defense (DOD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 1 building (TOTAL 15 m2/160 SF). Air Conditioning (Estimated 229 kW _r /65 Tons).						

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		06 FEB 2012

3. INSTALLATION AND LOCATION
Fort Drum, New York

4. PROJECT TITLE	5. PROJECT NUMBER
Aircraft Maintenance Hangar	80246

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Special Foundations	LS	--	--	(2,394)
Airfield Paving	m2 (SY)	7,789 (	9,316)	93.36 (727)
Sewage/Waste Treatment Bldg	m2 (SF)	222.97 (	2,400)	1,615 (360)
Oil Storage Building	m2 (SF)	161.09 (	1,734)	1,677 (270)
Hazardous Waste Storage	m2 (SF)	22.76 (	245)	2,024 (46)
Sustainability/Energy Measures	LS	--	--	(987)
Building Information Systems	LS	--	--	(2,136)
			Total	6,920

11. REQ: 113,894 m2 ADQT: 43,921 m2 SUBSTD: NONE

PROJECT: Construct an Aircraft Maintenance Hangar and infrastructure for Fort Drum, New York. (Current Mission)

REQUIREMENT: This project is required to provide permanent facilities and infrastructure for a Combat Aviation Brigade at Fort Drum.

CURRENT SITUATION: The existing facilities on Fort Drum are not adequate to support the requirements of a Combat Aviation Brigade. All existing facilities suitable for use under these facility categories are fully utilized. This project provides essential permanent operational facilities and infrastructure to support a Combat Aviation Brigade at Fort Drum, NY. The shortfall of facilities require the units to double up in existing facilities to perform aircraft maintenance.

IMPACT IF NOT PROVIDED: If this project is not provided, the Army will not be able to support, with permanent facilities, the Combat Aviation Brigade at Fort Drum. Soldiers will continue to live and work out of temporary and/or relocatable buildings or double up in existing facilities.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Drum, New York

4. PROJECT TITLE Aircraft Maintenance Hangar	5. PROJECT NUMBER 80246
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... AUG 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... OCT 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Carson

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 2,123
 - (b) All Other Design Costs..... 1,274
 - (c) Total Design Cost..... 3,397
 - (d) Contract..... 2,123
 - (e) In-house..... 1,274

 - (4) Construction Contract Award..... MAR 2013

 - (5) Construction Start..... JUN 2013

 - (6) Construction Completion..... NOV 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Drum, New York

4. PROJECT TITLE Aircraft Maintenance Hangar	5. PROJECT NUMBER 80246
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Control Tower Equipment	OPA	2014	500
Info Sys - ISC	OPA	2014	718
		TOTAL	<u>1,218</u>

Installation Engineer:
Phone Number: 315-772-5371

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROGRAM				2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION U S Military Academy New York			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.31	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 NOV 2011		738	442	2291	41	5037	0
B. END FY 2017		728	443	2268	41	5037	0
		18	114	2107	10,788		
		18	114	1996	10,645		
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....		6,507 ha		(16,078 AC)			
B. INVENTORY TOTAL AS OF 12 JAN 2012.....						4,067,908	
C. AUTHORIZATION NOT YET IN INVENTORY.....						364,691	
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....						192,000	
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....						0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						258,758	
H. GRAND TOTAL.....						4,883,357	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	79933	Cadet Barracks		192,000	01/2008	04/2013	
				TOTAL	192,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 2014 PROGRAM:		NONE					
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):		NONE					
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
To educate, train, and inspire the Corps of Cadets so that each graduate is a commissioned leader of character committed to the values of Duty, Honor, Country and prepared for a career of professional excellence and service to the Nation as an officer in the United States Army.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
						(\$000)	
A. AIR POLLUTION						0	
B. WATER POLLUTION						0	
C. OCCUPATIONAL SAFETY AND HEALTH						0	

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION United States Military Academy New York				4.PROJECT TITLE Cadet Barracks		
5.PROGRAM ELEMENT 85896A		6.CATEGORY CODE 721	7.PROJECT NUMBER 79933		8.PROJECT COST (\$000) Auth 192,000 Approp 192,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						140,048
Cadet Barracks		m2 (SF)	26,727 (287,688)		4,745	(126,833)
Special Foundations		LS	--		--	(3,228)
Solar Water Heater System		m2 (SF)	1,911 (20,566)		1,423	(2,719)
EMCS Connection		LS	--		--	(142)
Sustainability/Energy Measures		LS	--		--	(2,601)
Total from Continuation page						(4,525)
<u>SUPPORTING FACILITIES</u>						32,505
Electric Service		LS	--		--	(1,266)
Water, Sewer, Gas		LS	--		--	(557)
Steam And/Or Chilled Water Dist		LS	--		--	(804)
Paving, Walks, Curbs & Gutters		LS	--		--	(577)
Storm Drainage		LS	--		--	(1,756)
Site Imp(26,402) Demo()		LS	--		--	(26,402)
Information Systems		LS	--		--	(281)
Antiterrorism Measures		LS	--		--	(862)
ESTIMATED CONTRACT COST						172,553
CONTINGENCY (5.00%)						8,628
SUBTOTAL						181,181
SUPV, INSP & OVERHEAD (5.70%)						10,327
TOTAL REQUEST						191,508
TOTAL REQUEST (ROUNDED)						192,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction This project will construct a barracks for 650 Cadets. Primary facility includes two-person rooms; battalion support area; latrines and showers; laundry, trash/recycling, storage, day, and study rooms; building information systems; and offices for Tactical Officers, Tactical Noncommissioned Officers, and duty orderlies. The facility will house self contained mechanical infrastructure. Provide fire protection and alarm systems; building information systems; connect to an energy monitoring control system (EMCS). Supporting facilities include utilities; exterior lighting; paving, walks, curbs, and gutters; storm drainage; information systems; site improvements; an access road; an access control point; a formation/staging area. Antiterrorism measures are included. Sustainability/Energy Measures will be provided. Heating and air-conditioning will be provided by a central plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for building standards will be provided. Comprehensive interior and furnishings related design services are required. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 1,231 kW/350 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

United States Military Academy, New York

4. PROJECT TITLE Cadet Barracks	5. PROJECT NUMBER 79933
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Antiterrorism Measures	LS	--	--	(2,601)
Building Information Systems	LS	--	--	(1,924)
			Total	4,525

11. REQ: 4,686 PN ADQT: 650 PN SUBSTD: 4,306 PN
PROJECT: Construct a Cadet barracks at West Point, New York. (Current Mission)

REQUIREMENT: This project is needed to relieve overcrowding in the existing Cadet barracks.

CURRENT SITUATION: Cadets are housed in barracks which do not meet current Army standards nor the West Point modified configuration of Cadet rooms. The entire first-year class and part of the second-year class are housed with three Cadets in rooms designed for two Cadets. This project will allow assignment of two Cadets per room. Current buildings do not have sprinklers nor mechanical ventilation, nor do they meet current seismic requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, barracks will not comply with current life safety building codes and Army quality of life standards. Cadets will continue to be housed in overcrowded facilities. Room assignments by Cadet companies will not be fully achieved due to the current number of male and female latrines available. These factors may affect the Military Academy's ability to attract the most qualified Cadets.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... JAN 2008
- (b) Percent Complete As Of January 2012..... 35.00
- (c) Date 35% Designed..... JAN 2012

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
United States Military Academy, New York

4. PROJECT TITLE Cadet Barracks	5. PROJECT NUMBER 79933
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(d) Date Design Complete..... APR 2013
(e) Parametric Cost Estimating Used to Develop Costs NO
(f) Type of Design Contract: Design-bid-build

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 7,223
(b) All Other Design Costs..... 7,223
(c) Total Design Cost..... 14,446
(d) Contract..... 7,223
(e) In-house..... 7,223

(4) Construction Contract Award..... JUL 2013

(5) Construction Start..... SEP 2013

(6) Construction Completion..... JUL 2016

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
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NA

Installation Engineer:
Phone Number: 845-938-3415

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
North Carolina	Fort Bragg (IMCOM)				165
55121	Aerial Gunnery Range	42,000	42,000	C	167
78499	Infrastructure	30,000	30,000	C	171
80112	Unmanned Aerial Vehicle Complex	26,000	26,000	C	175
	Subtotal Fort Bragg Part I	\$ 98,000	98,000		
	* TOTAL MCA FOR North Carolina	\$ 98,000	98,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.90	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	7778	39226	7924	721	3287	106	890 4022 11577 75,531
B. END FY 2017	8114	38672	8381	934	3777	109	866 3988 12607 77,448
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	592,471 ha		(1,464,023 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....					12,353,459		
C. AUTHORIZATION NOT YET IN INVENTORY.....					2,461,390		
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....					98,000		
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....					0		
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....					0		
G. REMAINING DEFICIENCY.....					4,176,416		
H. GRAND TOTAL.....					19,089,265		
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
179	55121	Aerial Gunnery Range		42,000	10/2010	10/2012	
851	78499	Infrastructure		30,000	08/2011	10/2012	
141	80112	Unmanned Aerial Vehicle Complex		26,000	08/2011	07/2013	
TOTAL				98,000			
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Provide the nation's Armed Forces with a sustaining base and a power projection platform, in support of National Objectives. Major functions include: Support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new Soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Bragg, North Carolina

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Bragg North Carolina				4.PROJECT TITLE Aerial Gunnery Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 179	7.PROJECT NUMBER 55121		8.PROJECT COST (\$000) Auth 42,000 Approp 42,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						34,340
Aerial Gunnery Range		EA	1 --		16236339	(16,236)
Range Site Preparation		LS	--		--	(12,065)
Live Fire Village		EA	1 --		287,497	(287)
Forward Armament & Refuel Pad		EA	10 --		306,159	(3,062)
Range Operations Control Area		EA	1 --		249,926	(250)
Total from Continuation page						(2,440)
<u>SUPPORTING FACILITIES</u>						3,055
Electric Service		LS	--		--	(2,722)
Water, Sewer, Gas		LS	--		--	(30)
Site Imp(261) Demo(17)		LS	--		--	(278)
Information Systems		LS	--		--	(25)
ESTIMATED CONTRACT COST						37,395
CONTINGENCY (5.00%)						1,870
SUBTOTAL						39,265
SUPV, INSP & OVERHEAD (5.70%)						2,238
TOTAL REQUEST						41,503
TOTAL REQUEST (ROUNDED)						42,000
INSTALLED EQT-OTHER APPROP						(16,259)
10.Description of Proposed Construction Construct a modified standard Aerial Gunnery Range (AGR). Primary facilities include the AGR, site preparation, live fire village, forward armament and refuel pad, operations control area, control tower, after action review building, operations/storage building, bleacher enclosure, covered mess, latrine, ammunition breakdown building, bivouac area, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service; water, sewer, gas; site improvements; and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 8 buildings (TOTAL 372 m2/4,000 SF). Air Conditioning (Estimated 88 kW/25 Tons).						
11. REQ:		1 EA	ADQT: NONE		SUBSTD:	NONE
PROJECT: Construct a modified Aerial Gunnery Range (AGR) at Fort Bragg, North Carolina. (Current Mission)						
REQUIREMENT: This project is required to train and test Aerial Gunnery Range crews, platoons, and companies on the skills necessary to detect, identify, engage, and defeat stationary and moving vehicle and infantry moving targets.						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
--------------------------	--	----------------------------

3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Aerial Gunnery Range	5. PROJECT NUMBER 55121
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Range Control Tower, Digital	EA	1 --	762,420	(762)
After Action Review Building	m2 (SF)	286.61 (3,085)	2,086	(598)
Operations/Storage Building	m2 (SF)	170.57 (1,836)	2,326	(397)
Bleacher Enclosure	EA	1 --	94,260	(94)
Covered Mess	m2 (SF)	74.32 (800)	1,338	(99)
Latrine	m2 (SF)	51.10 (550)	5,360	(274)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	6,887	(118)
Bivouac Area	EA	1 --	34,987	(35)
Sustainability/Energy Measures	LS	--	--	(35)
Building Information Systems	LS	--	--	(28)
			Total	2,440

REQUIREMENT: (CONTINUED)

All Heavy Brigade Combat Team (HBCT) vehicles with .50 caliber and Mark 19 weapons are required to conduct annual gunnery training. This project supports Soldiers at Fort Bragg in active Army, Reserve, and National Guard Units.

CURRENT SITUATION: The aviation gunnery needs are not being met. The existing aerial gunnery range and antiarmor training range do not allow units to train to Army standards. The existing ranges lack digital feedback capabilities required for the transition to the objective force, required target densities, and necessary lateral dispersion distance. They do not offer door gunnery qualification, live fire convoy or urban operation.

IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will continue to train on inadequate analog ranges. Units may enter future combat less than fully prepared.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
--------------------------	--	----------------------------

3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Aerial Gunnery Range	5. PROJECT NUMBER 55121
--	--------------------------------

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... OCT 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build
 - (g) An energy study and life cycle cost analysis will be documented during the final design.

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Bragg

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,900
 - (b) All Other Design Costs..... 900
 - (c) Total Design Cost..... 2,800
 - (d) Contract..... 2,000
 - (e) In-house..... 800

 - (4) Construction Contract Award..... JAN 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... APR 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Aerial Gunnery Range	5. PROJECT NUMBER 55121
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment Instrumentation	OPA	2013	8,000
Target Equipment	OPA	2014	8,000
Info Sys - ISC	OPA	2014	11
Info Sys - PROP	OPA	2014	248
TOTAL			16,259

Installation Engineer:
Phone Number: 910-396-4009

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Infrastructure		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 851	7. PROJECT NUMBER 78499		8. PROJECT COST (\$000) Auth 30,000 Approp 30,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						22,901
Roads		m2 (SY)	19,197 (22,960)		133.48	(2,562)
Electrical Distribution Lines		m (LF)	86,308 (283,162)		59.40	(5,127)
Electrical Substation		kVA (KVA)	250,000 (250,000)		20.35	(5,087)
Gas Pipeline		m (LF)	12,537 (41,132)		289.35	(3,628)
Central Energy Plant		m2 (SF)	1,137 (12,240)		1,298	(1,476)
Total from Continuation page						(5,021)
<u>SUPPORTING FACILITIES</u>						4,449
Storm Drainage		LS	--		--	(672)
Site Imp(2,229) Demo()		LS	--		--	(2,229)
Information Systems		LS	--		--	(1,548)
ESTIMATED CONTRACT COST						27,350
CONTINGENCY (5.00%)						1,368
SUBTOTAL						28,718
SUPV, INSP & OVERHEAD (5.70%)						1,637
TOTAL REQUEST						30,355
TOTAL REQUEST (ROUNDED)						30,000
INSTALLED EQT-OTHER APPROP						(2,572)
10. Description of Proposed Construction Construct the utility and road infrastructure necessary to support Special Operations Command Military Construction (MILCON) projects at the Old Ammunition Supply Point (ASP), Fort Bragg, North Carolina. Primary facilities include water distribution lines, sewage collection lines, primary electrical substation, high-voltage electrical distribution lines, communications manholes and ductbanks with fiber optic and copper communications lines, natural gas mains, central energy plant (CEP), antiterrorism measures, building information systems, and road grading. Sustainability/Energy measures will be provided. Supporting facilities include erosion control measures, information systems, and demolition of ammunition bunkers to include asbestos removal (special handling and removal of explosive residue inside the bunkers will be funded by other than MILCON appropriations). Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance.						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Infrastructure	5. PROJECT NUMBER 78499
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Water Distribution Lines	m (LF)	7,432 (24,382)	201.49	(1,497)
Sanitary Sewer Collection Lines	m (LF)	7,316 (24,001)	477.24	(3,491)
Sustainability/Energy Measures	LS	--	--	(33)
			Total	5,021

11. REQ: 289,470 m ADQT: 286,928 m SUBSTD: 2,542 m
PROJECT: Construct utility and road infrastructure to support Special Operations Command military construction (MILCON) projects currently programmed at Fort Bragg, North Carolina. (Current Mission)
REQUIREMENT: The Old Ammunition Supply Point (ASP) consists of approximately 600 acres and is the last large developable tract of land on Fort Bragg. Fort Bragg needs to build on the old ASP due to land constraints as well as both the growth and transformation of US Army Special Operations Command (USASOC). The Army is required to provide infrastructure in support of USASOC projects based on Congressional guidance (Senate Report 104-116 Military Appropriation Bill, 1996).
CURRENT SITUATION: The main cantonment area of Fort Bragg is fully developed and does not have any large open tracts of land that can accommodate anything larger than individual buildings. The main cantonment cannot expand due to endangered species Greenbelt restrictions preventing any tree cutting beyond the main cantonment's boundaries. Areas outside the Greenbelt cannot be built upon due to the requirement to maintain enough training and maneuver land to support the Active Army, Army Reserve and National Guard training programs. Any new construction within the main cantonment area can only be accomplished by demolishing existing occupied structures. Future construction at the Old ASP is necessary to support the activations of Special Operations Units.
IMPACT IF NOT PROVIDED: If this project is not provided, primary utilities distribution and communication distribution systems and trunk lines will have to be provided within each individual project as part of that project's supporting facilities cost. Road clearing and grading is necessary to provide the corridors to install the utility infrastructure and to provide access to future project sites.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Infrastructure	5. PROJECT NUMBER 78499
--	--------------------------------

ADDITIONAL: (CONTINUED)
 available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... AUG 2011
 - (b) Percent Complete As Of January 2012..... 10.00
 - (c) Date 35% Designed..... APR 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: NO

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,132
 - (b) All Other Design Costs..... 1,698
 - (c) Total Design Cost..... 2,830
 - (d) Contract..... 1,698
 - (e) In-house..... 1,132

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... SEP 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Infrastructure	5. PROJECT NUMBER 78499
------------------------------------	----------------------------

12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Info Sys - ISC	OPA	2014	2,572
		TOTAL	<u>2,572</u>

Installation Engineer:
Phone Number: 910-396-4009

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Unmanned Aerial Vehicle Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 141	7. PROJECT NUMBER 80112		8. PROJECT COST (\$000) Auth 26,000 Approp 26,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						16,775
Company Operations Facilities		m2 (SF)	2,627 (28,278)		1,744	(4,581)
Covered Hardstand		m2 (SF)	432.56 (4,656)		492.12	(213)
UAV Maintenance Hangar Addn		m2 (SF)	450.12 (4,845)		3,013	(1,356)
Vehicle Maintenance Shop		m2 (SF)	1,744 (18,768)		2,219	(3,868)
Organizational Vehicle Parking		m2 (SY)	44,717 (53,481)		99.94	(4,469)
Total from Continuation page						(2,288)
<u>SUPPORTING FACILITIES</u>						6,203
Electric Service		LS	--		--	(754)
Water, Sewer, Gas		LS	--		--	(1,052)
Paving, Walks, Curbs & Gutters		LS	--		--	(632)
Storm Drainage		LS	--		--	(713)
Site Imp(2,205) Demo(188)		LS	--		--	(2,393)
Information Systems		LS	--		--	(567)
Antiterrorism Measures		LS	--		--	(92)
ESTIMATED CONTRACT COST						22,978
CONTINGENCY (5.00%)						1,149
SUBTOTAL						24,127
SUPV, INSP & OVERHEAD (5.70%)						1,375
TOTAL REQUEST						25,502
TOTAL REQUEST (ROUNDED)						26,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct standard design facilities for an Unmanned Aerial Vehicle (UAV) Complex. Primary facilities include Company Operations Facilities (COF) with covered hardstands, Vehicle Maintenance Shop, Organizational Storage Building, Oil Storage, Hazardous Waste Storage, Hazardous Material Storage, Organizational Vehicle Parking, and a UAV Maintenance Hangar addition. Primary facilities also include Energy Monitoring and Control system (EMCS) connections, building information system, Intrusion Detection System (IDS) installation, fire protection system, and mass notification system. Sustainability/Energy measures will be provided. Supporting facilities include connections to all primary utilities, roads, sidewalks, paving, curbs and gutters, storm water management, fencing, lighting, site improvements including, parking, landscaping, and information systems. Heating and cooling will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80112
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Organizational Storage	m2 (SF)	260.13 (2,800)	966.27	(251)
Oil Storage Building	m2 (SF)	33.45 (360)	1,537	(51)
Hazardous Waste Storage	m2 (SF)	33.45 (360)	1,537	(51)
Hazardous Material Storage	m2 (SF)	1,136 (12,224)	1,533	(1,740)
Sustainability/Energy Measures	LS	--	--	(195)
			Total	2,288

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)
 building systems performance. Demolish 4 buildings (TOTAL 1,374 m2/14,790 SF).
 Air Conditioning (Estimated 1,407 kW/400 Tons).

11. REQ: 411,179 m2 ADQT: 248,715 m2 SUBSTD: 24,291 m2
PROJECT: Construct standard design facilities for an Unmanned Aerial Vehicle Complex at Fort Bragg, North Carolina. (Current Mission)
REQUIREMENT: This project is required to provide facilities for fielding an Extended Range/Multi-Purpose (ER/MP) Unmanned Aircraft System (UAS) at Fort Bragg. This will allow the ER/MP UAS to maintain readiness to provide the reconnaissance, surveillance, communications and target acquisition. These facilities are required to provide aircraft and vehicle maintenance, repair, and storage as well as space for company operations.
CURRENT SITUATION: No facilities currently exist that meet the current Army Standards or that are available to provide aircraft maintenance, repair and storage; administrative operations; company operations; vehicle maintenance; and aircraft operations to support ER/MP UAS companies at Fort Bragg.
IMPACT IF NOT PROVIDED: If this project is not provided, the Extended Range/Multi-Purpose Unmanned Aircraft System will lack adequate facilities to perform mission training and maintenance. Lack of adequate facilities will negatively impact operational readiness and the sustainment of combat capabilities for this increasingly critical warfighting technology.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80112
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ADDITIONAL: (CONTINUED)
accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... AUG 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... JUL 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Hood

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 638
 - (b) All Other Design Costs..... 426
 - (c) Total Design Cost..... 1,064
 - (d) Contract..... 638
 - (e) In-house..... 426

- (4) Construction Contract Award..... MAR 2013

- (5) Construction Start..... MAY 2013

- (6) Construction Completion..... NOV 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80112
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 910-396-4009

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Oklahoma	Fort Sill (IMCOM)				181
67037	Modified Record Fire Range	4,900	4,900	C	183
		-----	-----		
	Subtotal Fort Sill Part I	\$ 4,900	4,900		
	* TOTAL MCA FOR Oklahoma	\$ 4,900	4,900		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Sill Oklahoma			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.90	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	1525	8091	2734	924	10183	0	316 1103 5199 30,075
B. END FY 2017	1498	7185	2691	939	10676	0	294 1049 4120 28,452
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	37,972 ha		(93,831 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							4,218,187
C. AUTHORIZATION NOT YET IN INVENTORY.....							585,143
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							4,900
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							2,086,667
H. GRAND TOTAL.....							6,894,897
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT					COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START	COMPLETE
178	67037	Modified Record Fire Range			4,900	09/2010	10/2012
TOTAL					4,900		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY					COST		
CODE	PROJECT TITLE			(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):					N/A		
10. MISSION OR MAJOR FUNCTIONS:							
The United States Army Net Fires Center trains Soldiers and Marines, and develop Field Artillery and Air Defense Artillery leaders; design and develop fire support for the force; support unit training and readiness; mobilize and deploy operating forces; and maintain installation infrastructure and services.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
					(\$000)		
A. AIR POLLUTION					0		
B. WATER POLLUTION					0		
C. OCCUPATIONAL SAFETY AND HEALTH					0		

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Sill Oklahoma				4.PROJECT TITLE Modified Record Fire Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 67037		8.PROJECT COST (\$000) Auth 4,900 Approp 4,900	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						3,847
Modified Record Fire Range		FP	16 --		136,166	(2,179)
Range Operations Control Area		EA	1 --		366,641	(367)
Range Control Tower		EA	1 --		262,457	(262)
Classroom Building		m2 (SF)	75.81 (816)		2,683	(203)
Operations/Storage Building		m2 (SF)	75.81 (816)		2,683	(203)
Total from Continuation page						(633)
<u>SUPPORTING FACILITIES</u>						548
Electric Service		LS	--		--	(136)
Storm Drainage		LS	--		--	(28)
Site Imp(225) Demo()		LS	--		--	(225)
Information Systems		LS	--		--	(159)
ESTIMATED CONTRACT COST						4,395
CONTINGENCY (5.00%)						220
SUBTOTAL						4,615
SUPV, INSP & OVERHEAD (5.70%)						263
TOTAL REQUEST						4,878
TOTAL REQUEST (ROUNDED)						4,900
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a standard Modified Record Fire (MRF) Range. Primary facilities include the MRF range, range operations control area, range control tower, classroom building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service, storm drainage, site improvements, and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 21 kW/6 Tons).						
11. REQ:		48 FP ADQT:		32 FP SUBSTD:		NONE
PROJECT: Construct a standard Modified Record Fire (MRF) Range at Fort Sill, Oklahoma. (Current Mission)						
REQUIREMENT: The Modified Record Fire Range is required to provide basic war fighting marksmanship skills for all Soldiers and multiple other Department of Defense (DoD) personnel stationed at Fort Sill to prepare for worldwide operations and deployments. The Range is used to train and test Soldiers on the skills necessary to detect, identify, engage, and defeat stationary						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Sill, Oklahoma

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 67037
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	m2 (SF)	30.66 (330)	5,878	(180)
Bleacher Enclosure	EA	1 --	140,829	(141)
Covered Mess	m2 (SF)	131.27 (1,413)	1,330	(175)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	7,203	(124)
Sustainability/Energy Measures	LS	--	--	(13)
			Total	633

REQUIREMENT: (CONTINUED)
targets for day/night qualification requirements with the M16 and M4 series rifles.

CURRENT SITUATION: Sufficient facilities are not available to meet the basic rifle marksmanship training and qualification requirements for the 97 units assigned to Fort Sill. Fort Sill has a training throughput of 72 class starts, consisting of 8 Basic Officer Leader Courses (BOLC) for Field Artillery, and 4 BOLC for Air Defense Artillery. The training and qualification mission is presently conducted on existing 25 meter ranges, which utilize manual paper targets. Use of these sub-standard ranges cannot provide the automated operations, feedback, and timeliness that are necessary to meet current training standards.

IMPACT IF NOT PROVIDED: If this facility is not provided, Soldiers will not be able to obtain and maintain efficiency for record fire standards. Units will not train to standard. Soldiers may not be able to train to prescribed programs of instruction.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012																						
3. INSTALLATION AND LOCATION Fort Sill, Oklahoma																								
4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 67037																							
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>SEP 2010</td> </tr> <tr> <td>(b) Percent Complete As Of January 2012.....</td> <td>35.00</td> </tr> <tr> <td>(c) Date 35% Designed.....</td> <td>JAN 2012</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>OCT 2012</td> </tr> <tr> <td>(e) Parametric Cost Estimating Used to Develop Costs</td> <td>YES</td> </tr> <tr> <td>(f) Type of Design Contract: Design-bid-build</td> <td></td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: YES</p> <p>(b) Where Most Recently Used: Fort Jackson</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>120</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>90</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td>210</td> </tr> <tr> <td>(d) Contract.....</td> <td>120</td> </tr> <tr> <td>(e) In-house.....</td> <td>90</td> </tr> </table> <p>(4) Construction Contract Award..... JAN 2013</p> <p>(5) Construction Start..... APR 2013</p> <p>(6) Construction Completion..... APR 2014</p>			(a) Date Design Started.....	SEP 2010	(b) Percent Complete As Of January 2012.....	35.00	(c) Date 35% Designed.....	JAN 2012	(d) Date Design Complete.....	OCT 2012	(e) Parametric Cost Estimating Used to Develop Costs	YES	(f) Type of Design Contract: Design-bid-build		(a) Production of Plans and Specifications.....	120	(b) All Other Design Costs.....	90	(c) Total Design Cost.....	210	(d) Contract.....	120	(e) In-house.....	90
(a) Date Design Started.....	SEP 2010																							
(b) Percent Complete As Of January 2012.....	35.00																							
(c) Date 35% Designed.....	JAN 2012																							
(d) Date Design Complete.....	OCT 2012																							
(e) Parametric Cost Estimating Used to Develop Costs	YES																							
(f) Type of Design Contract: Design-bid-build																								
(a) Production of Plans and Specifications.....	120																							
(b) All Other Design Costs.....	90																							
(c) Total Design Cost.....	210																							
(d) Contract.....	120																							
(e) In-house.....	90																							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Sill, Oklahoma

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 67037
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 580-442-3705

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/	AUTHORIZATION	APPROPRIATION	CURRENT	MISSION	PAGE
----- PROJECT	-----		REQUEST	REQUEST			
NUMBER	PROJECT TITLE		-----	-----			-----
-----	-----		-----	-----			-----
South Carolina	Fort Jackson (IMCOM)						189
58970	Trainee Barracks Complex 2, Ph 2		24,000	24,000	C		191
			-----	-----			
	Subtotal Fort Jackson Part I		\$ 24,000	24,000			
	* TOTAL MCA FOR South Carolina		\$ 24,000	24,000			

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.82	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	945	4099	1877	593	21215	11	98 257 4281 33,376
B. END FY 2017	977	3949	2165	525	21783	28	97 255 2664 32,443
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	21,166 ha		(52,301 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							2,808,158
C. AUTHORIZATION NOT YET IN INVENTORY.....							541,610
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							24,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							2,977,805
H. GRAND TOTAL.....							6,351,573
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT					COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START	COMPLETE
721	58970	Trainee Barracks Complex 2, Ph 2			24,000	04/2010	10/2012
TOTAL					24,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY					COST		
CODE	PROJECT TITLE			(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):					N/A		
10. MISSION OR MAJOR FUNCTIONS:							
Provide Basic Combat Training (BCT)/Initial Entry Training (IET), BCT/IET Management & Development, Advanced Individual Training (AIT), and One-Station Unit Training (OSUT). Provide support to the Soldier Support Institute which includes the Adjutant General School, Finance School, Recruiting & Retention School, and NCO Academy. Provide support to the U.S. Army Chaplain Center & School, Drill Sergeant School, DOD Polygraph Institute, and other tenant units and activities. Provide direct support to United States Army Reserve (USAR) components & training divisions.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Jackson, South Carolina

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Jackson South Carolina				4.PROJECT TITLE Trainee Barracks Complex 2, Ph 2		
5.PROGRAM ELEMENT 85796A		6.CATEGORY CODE 721	7.PROJECT NUMBER 58970		8.PROJECT COST (\$000) Auth 24,000 Approp 24,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						19,635
Barracks/Company Ops Fac		m2 (SF)	12,262 (131,988)		1,544	(18,932)
Company Training Pit		EA	2 --		164,659	(329)
Sustainability/Energy Measures		LS	--		--	(374)
<u>SUPPORTING FACILITIES</u>						1,543
Electric Service		LS	--		--	(232)
Water, Sewer, Gas		LS	--		--	(85)
Paving, Walks, Curbs & Gutters		LS	--		--	(400)
Storm Drainage		LS	--		--	(57)
Site Imp(603) Demo()		LS	--		--	(603)
Information Systems		LS	--		--	(166)
ESTIMATED CONTRACT COST						21,178
CONTINGENCY (5.00%)						1,059
SUBTOTAL						22,237
SUPV, INSP & OVERHEAD (5.70%)						1,268
TOTAL REQUEST						23,505
TOTAL REQUEST (ROUNDED)						24,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction This project consists of 2 phases. This is Phase 2 for \$24M. Phase 1 (PN 48169) was appropriated in FY10 for \$59M. Construct a standard-design Company Basic Combat Trainee (BCT) Complex. Primary facilities include a Company barracks with company operations facilities, Training Pits with built-in physical training equipment, Intrusion Detection System (IDS) installation, Energy Monitoring and Control System (EMCS) connection, antiterrorism measures, and building information systems. Sustainability/Energy Measures will be provided. Supporting facilities include utilities, electric service, water, gas, sewer, paving, walks, storm drainage, site improvements, and information systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 2,110 kW _r /600 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Jackson, South Carolina

4. PROJECT TITLE Trainee Barracks Complex 2, Ph 2	5. PROJECT NUMBER 58970
--	--------------------------------

11. REQ: 14,400 PN ADQT: 9,120 PN SUBSTD: 3,600 PN
PROJECT: Construct a standard design Trainee Barracks Complex, Phase 2, at Fort Jackson, South Carolina. (Current Mission)
REQUIREMENT: Project is required to provide permanent facilities for BCT Soldiers and supporting cadre. This project phase accommodates 480 training Soldiers and their cadre.
CURRENT SITUATION: Basic trainees are utilizing substandard, overcrowded and deteriorating relocatable facilities. These temporary facilities do not meet current standards for training barracks.
IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will continue to be housed in substandard relocatable facilities. This may result in reduced quality of life, lower morale and reduced retention rates.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

	FY2010 (\$000)	Requested FY2013 (\$000)
Authorization	\$59,000	\$24,000
Authorization of Appropriation	\$59,000	\$24,000
Appropriation	\$59,000	\$24,000

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Jackson, South Carolina

4. PROJECT TITLE Trainee Barracks Complex 2, Ph 2	5. PROJECT NUMBER 58970
--	--------------------------------

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... APR 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Adapt-Build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Benning

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 342
 - (b) All Other Design Costs..... 342
 - (c) Total Design Cost..... 684
 - (d) Contract..... 342
 - (e) In-house..... 342

 - (4) Construction Contract Award..... JAN 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... JAN 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Jackson, South Carolina

4. PROJECT TITLE Trainee Barracks Complex 2, Ph 2	5. PROJECT NUMBER 58970
--	--------------------------------

12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 803-751-2719

DEPARTMENT OF THE ARMY
FISCAL YEAR 2013
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION	PAGE
----- PROJECT NUMBER -----	----- PROJECT TITLE -----	----- REQUEST -----	----- REQUEST -----			
Texas	Fort Bliss (IMCOM)					197
66911	Multipurpose Machine Gun Range	7,200	7,200	C		199
	Subtotal Fort Bliss Part I	\$ 7,200	7,200			
	Corpus Christi Army Depot (AMC)					
45116	Aircraft Component Maintenance Shop	13,200	13,200	C		203
55460	Aircraft Paint Shop	24,000	24,000	C		206
	Subtotal Corpus Christi Army Depot Part I	\$ 37,200	37,200			
	Fort Hood (IMCOM)					209
67020	Modified Record Fire Range	4,200	4,200	C		211
71120	Training Aids Center	25,000	25,000	C		214
80113	Unmanned Aerial Vehicle Complex	22,000	22,000	C		217
	Subtotal Fort Hood Part I	\$ 51,200	51,200			
	Joint Base San Antonio (IMCOM)					
68530	Barracks	21,000	21,000	C		221
	Subtotal Joint Base San Antonio Part I	\$ 21,000	21,000			
	* TOTAL MCA FOR Texas	\$ 116,600	116,600			

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Bliss Texas			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.96	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	4055	25407	3186	29	943	7	944 2271 8462 45,304
B. END FY 2017	4151	25645	3284	29	870	4	948 2279 6920 44,130
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	452,250 ha		(1,117,530 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....	9,505,802						
C. AUTHORIZATION NOT YET IN INVENTORY.....	2,054,384						
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....	7,200						
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....	99,800						
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	1,208,339						
H. GRAND TOTAL.....	12,875,525						
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE			COST	DESIGN STATUS	
CODE	NUMBER				(\$000)	START	COMPLETE
178	66911	Multipurpose Machine Gun Range			7,200	09/2010	10/2012
TOTAL					7,200		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE			COST		
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM:							
133	Control Tower			11,800			
211	Unmanned Aerial Vehicle Complex			88,000			
TOTAL					99,800		
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):					N/A		
10. MISSION OR MAJOR FUNCTIONS:							
Provides support to the 1st Armored Division; William Beaumont Army Medical Center; US Army Sergeants Major Academy, and other tenant activities and units. A multi-functional installation that serves as a Power Projection Platform as well as test bed for Joint and Combined Warfare, employing state-of-the-art technologies.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Bliss, Texas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Bliss Texas				4.PROJECT TITLE Multipurpose Machine Gun Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 66911		8.PROJECT COST (\$000) Auth 7,200 Approp 7,200	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						5,808
Multipurpose Machine Gun Range		FP	10 --		443,652	(4,437)
Range Operations Control Area		EA	1 --		264,235	(264)
Range Control Tower		EA	1 --		280,945	(281)
Classroom Building		m2 (SF)	75.81 (816)		2,872	(218)
Operations/Storage Building		m2 (SF)	75.81 (816)		2,872	(218)
Total from Continuation page						(390)
<u>SUPPORTING FACILITIES</u>						636
Electric Service		LS	--		--	(24)
Paving, Walks, Curbs & Gutters		LS	--		--	(53)
Site Imp(390) Demo()		LS	--		--	(390)
Information Systems		LS	--		--	(169)
ESTIMATED CONTRACT COST						6,444
CONTINGENCY (5.00%)						322
SUBTOTAL						6,766
SUPV, INSP & OVERHEAD (5.70%)						386
TOTAL REQUEST						7,152
TOTAL REQUEST (ROUNDED)						7,200
INSTALLED EQT-OTHER APPROP						(2,252)
10.Description of Proposed Construction Construct a modified standard Multipurpose Machine Gun (MPMG) range. Primary facilities include the MPMG range, operations control area, control tower, classroom building, operations/storage building, latrine, bleacher enclosure, covered mess, ammunition breakdown building, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service; paving, walks, curbs and gutters; site improvements; and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 21 kW/6 Tons).						
11. REQ:		10 FP ADQT:		NONE		SUBSTD: NONE
PROJECT: Construct a modified standard Multipurpose Machine Gun Range (MPMG) at Fort Bliss, Texas. (Current Mission)						
REQUIREMENT: This project is required to train and test Soldiers on the skills necessary to zero, detect, identify, engage and defeat stationary infantry targets (SITs), moving infantry targets (MITs), and stationary armor targets (SATs) in a tactile array. The lane layout for this project differs						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Bliss, Texas

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 66911
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Latrine	EA	1 --	26,220	(26)
Bleacher Enclosure	EA	1 --	105,534	(106)
Covered Mess	m2 (SF)	74.32 (800)	1,498	(111)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	7,710	(133)
Sustainability/Energy Measures	LS	--	--	(14)
Total				390

REQUIREMENT: (CONTINUED)

slightly from the standard due to surface danger zone (SDZ) constraints.

CURRENT SITUATION: Existing ranges are spread across a wide area requiring units to use numerous ranges to accomplish weapons qualifications. This situation leads to logistical complications for each unit. Existing ranges do not support the density of targets, instrumentation needs and engagement distances to support current Army standards.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Bliss cannot adequately meet the qualifications training throughput of Soldiers. Components that rely on automatic weapons for battlefield survival may not receive standard training. Future mission attainment may be compromised.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... SEP 2010
- (b) Percent Complete As Of January 2012..... 35.00
- (c) Date 35% Designed..... JAN 2012
- (d) Date Design Complete..... OCT 2012
- (e) Parametric Cost Estimating Used to Develop Costs YES

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
Fort Bliss, Texas

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 66911
--	----------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(f) Type of Design Contract: Design-bid-build

(2) Basis:

(a) Standard or Definitive Design: YES

(b) Where Most Recently Used:

Fort Polk

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 380

(b) All Other Design Costs..... 150

(c) Total Design Cost..... 530

(d) Contract..... 380

(e) In-house..... 150

(4) Construction Contract Award..... JAN 2013

(5) Construction Start..... APR 2013

(6) Construction Completion..... APR 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment	OPA	2013	2,200
Info Sys - ISC	OPA	2014	52
		TOTAL	2,252

Installation Engineer:
Phone Number: 915-568-5949

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1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Corpus Christi Army Depot Texas				4. PROJECT TITLE Aircraft Component Maintenance Shop		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 211	7. PROJECT NUMBER 45116		8. PROJECT COST (\$000) Auth 13,200 Approp 13,200	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						11,199
Aircraft Comp Maint Shop Addn		m2 (SF)	947.61 (10,200)		2,927	(2,774)
Aircraft Comp Maint Shop Mod		m2 (SF)	4,511 (48,552)		1,617	(7,295)
Covered Outdoor Work Area		m2 (SF)	766.45 (8,250)		772.42	(592)
Special Foundation		LS	--		--	(87)
EMCS Connection		LS	--		--	(10)
Total from Continuation page						(441)
<u>SUPPORTING FACILITIES</u>						614
Electric Service		LS	--		--	(371)
Water, Sewer, Gas		LS	--		--	(35)
Site Imp(88) Demo()		LS	--		--	(88)
Information Systems		LS	--		--	(116)
Antiterrorism Measures		LS	--		--	(4)
ESTIMATED CONTRACT COST						11,813
CONTINGENCY (5.00%)						591
SUBTOTAL						12,404
SUPV, INSP & OVERHEAD (5.70%)						707
TOTAL REQUEST						13,111
TOTAL REQUEST (ROUNDED)						13,200
INSTALLED EQT-OTHER APPROP						(6,151)
10. Description of Proposed Construction Modernize an Aircraft Component Maintenance Shop, Primary facilities include construction of an addition, covered outdoor work area, building information systems, Energy Monitoring and Control Systems (EMCS) connection, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included to allow setback from public access and to allow separation of occupied facilities. Sustainability/Energy Measures will be provided. Supporting facilities include electric service, water, sewer, and gas. Access for individuals with disabilities will be provided. Comprehensive building and furnishing related interior design services will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 440 kW/125 Tons).						
11. REQ:		204,964 m2	ADQT:	88,497 m2	SUBSTD:	142,995 m2
PROJECT: Modernize and expand an Aircraft Component Maintenance Shop at Corpus Christi Army Depot, Texas. (Current Mission)						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Corpus Christi Army Depot, Texas

4. PROJECT TITLE Aircraft Component Maintenance Shop	5. PROJECT NUMBER 45116
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Sustainability/Energy Measures	LS	--	--	(192)
Antiterrorism Measures	LS	--	--	(135)
Building Information Systems	LS	--	--	(114)
			Total	441

REQUIREMENT: Modernize the production area to accommodate increasing production of composite rotor blades. Temperature and humidity control of purified make-up air and removal of air-borne by-product chemicals from exhaust air are essential for the curing of the composite material blades.

CURRENT SITUATION: The rotor blade facility is designed to handle significantly smaller production lines of metal blades. It is lacking equipment and process area required for composite materials and current repair demands. This facility is not constructed to address the ventilation and personnel protection issues inherent to composite materials processing. Existing facility does not have the exact climatic control needed for composites, nor to provide sufficient production capacity. Migrating from metal to composite blades required equipment installation that has caused serious reduction of in-process storage space. The existing elevator is outdated, undersized and requires frequent repairs.

IMPACT IF NOT PROVIDED: If this project is not provided, the Depot will be incapable of fulfilling increasing workload requirements or providing proper safety and climatic precautions. Process flows will continue to be inefficient. Overtime and worker safety could be compromised. Since the Depot is the largest blade repair facility in the Army, this project will affect aviation throughout the Army.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Corpus Christi Army Depot, Texas

4. PROJECT TITLE Aircraft Component Maintenance Shop	5. PROJECT NUMBER 45116
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... APR 2011
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 736
 - (b) All Other Design Costs..... 490
 - (c) Total Design Cost..... 1,226
 - (d) Contract..... 736
 - (e) In-house..... 490

- (4) Construction Contract Award..... MAR 2013

- (5) Construction Start..... JUN 2013

- (6) Construction Completion..... MAR 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Prod Equipment	OPA	2015	6,070
Info Sys - ISC	OPA	2014	81
		TOTAL	<u>6,151</u>

Installation Engineer:
Phone Number: 361-961-7059

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Corpus Christi Army Depot Texas			4. PROJECT TITLE Aircraft Paint Shop		
5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 211	7. PROJECT NUMBER 55460	8. PROJECT COST (\$000) Auth 24,000 Approp 24,000		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					20,342
Aircraft Paint Shop		m2 (SF)	7,225 (77,765)	2,580	(18,636)
Organizational Vehicle Parking		m2 (SF)	836.13 (9,000)	88.32	(74)
Special Foundations		LS	--	--	(648)
EMCS Connection		LS	--	--	(80)
Sustainability/Energy Measures		LS	--	--	(373)
Total from Continuation page					(531)
<u>SUPPORTING FACILITIES</u>					1,397
Electric Service		LS	--	--	(564)
Water, Sewer, Gas		LS	--	--	(213)
Paving, Walks, Curbs & Gutters		LS	--	--	(119)
Storm Drainage		LS	--	--	(61)
Site Imp(313) Demo()		LS	--	--	(313)
Information Systems		LS	--	--	(127)
ESTIMATED CONTRACT COST					21,739
CONTINGENCY (5.00%)					1,087
SUBTOTAL					22,826
SUPV, INSP & OVERHEAD (5.70%)					1,301
TOTAL REQUEST					24,127
TOTAL REQUEST (ROUNDED)					24,000
INSTALLED EQT-OTHER APPROP					()
10. Description of Proposed Construction Construct an Aircraft Paint Shop. Primary facility includes Aircraft Paint Shop, organizational vehicle parking, Energy Monitoring and Control Systems (EMCS) connection, fire protection and alarm systems, building information systems, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included to compensate for large weapon systems supported in the facility. Facility will require special foundations. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained units. Comprehensive building and furnishing related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 809 kW/230 Tons).					
11. REQ:		12,546 m2	ADQT:	5,321 m2	SUBSTD: NONE
PROJECT: Construct an Aircraft Paint Shop at Corpus Christi Army Depot					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Corpus Christi Army Depot, Texas

4. PROJECT TITLE Aircraft Paint Shop	5. PROJECT NUMBER 55460
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Antiterrorism Measures	LS	--	--	(365)
Building Information Systems	LS	--	--	(166)
			Total	531

PROJECT: (CONTINUED)
(CCAD), Texas. (Current Mission)

REQUIREMENT: The Aircraft Paint Shop is required to support Corpus Christi Army Depot's (CCAD's) mission. Larger booths are required to support production schedules and increased flexibility in painting aircraft due to larger weapon systems and increased workloads.

CURRENT SITUATION: The existing aircraft paint facility cannot meet current and future workload production schedules. Force modernization aircraft workload requirements are substantially greater. The existing smaller booths cannot keep pace with production needs. The installation has received two Texas State Environmental Notices of Violation for environmental noncompliance. The existing facility does not meet environmental standards.

IMPACT IF NOT PROVIDED: If this project is not provided, CCAD will continue to experience maintenance backlogs due to inadequate, hazardous and substandard facilities. The continual deterioration of the facility may expose personnel to hazardous working conditions.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... APR 2011
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Corpus Christi Army Depot, Texas

4. PROJECT TITLE Aircraft Paint Shop	5. PROJECT NUMBER 55460
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(d) Date Design Complete..... OCT 2012
(e) Parametric Cost Estimating Used to Develop Costs YES
(f) Type of Design Contract: Design-bid-build

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 1,369
(b) All Other Design Costs..... 913
(c) Total Design Cost..... 2,282
(d) Contract..... 1,369
(e) In-house..... 913

(4) Construction Contract Award..... FEB 2013

(5) Construction Start..... APR 2013

(6) Construction Completion..... APR 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
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NA

Installation Engineer:
Phone Number: 361-961-7059

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Hood Texas			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 0.82	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	5899	37069	4645	0	247	0	804 2591 15553 66,808
B. END FY 2017	5621	36110	4583	0	248	0	452 1769 13973 62,756
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	92,995 ha		(229,794 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							10,227,653
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,394,132
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							51,200
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							2,973,764
H. GRAND TOTAL.....							14,646,749
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
178	67020	Modified Record Fire Range		4,200	09/2010	04/2013	
141	71120	Training Aids Center		25,000	09/2010	07/2013	
214	80113	Unmanned Aerial Vehicle Complex		22,000	08/2011	04/2013	
				TOTAL	51,200		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Provide the nation's Armed Forces with a sustaining base and a power projection platform, in support of National Objectives. Major functions include: Support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new Soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Hood, Texas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Hood Texas				4.PROJECT TITLE Modified Record Fire Range		
5.PROGRAM ELEMENT 22212A		6.CATEGORY CODE 178	7.PROJECT NUMBER 67020		8.PROJECT COST (\$000) Auth 4,200 Approp 4,200	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						3,371
Modified Record Fire Range		FP	16	--	136,804	(2,189)
Range Operations Control Area		EA	1	--	208,269	(208)
Range Control Tower		EA	1	--	240,363	(240)
Classroom Building		m2 (SF)	75.81	(816)	2,457	(186)
Operations/Storage Building		m2 (SF)	75.81	(816)	2,457	(186)
Total from Continuation page						(362)
<u>SUPPORTING FACILITIES</u>						257
Electric Service		LS	--	--	--	(19)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(12)
Storm Drainage		LS	--	--	--	(45)
Site Imp(12) Demo()		LS	--	--	--	(12)
Information Systems		LS	--	--	--	(169)
ESTIMATED CONTRACT COST						3,628
CONTINGENCY (5.00%)						181
SUBTOTAL						3,809
SUPV, INSP & OVERHEAD (5.70%)						217
DESIGN/BUILD - DESIGN COST						152
TOTAL REQUEST						4,178
TOTAL REQUEST (ROUNDED)						4,200
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a standard design Modified Record Fire (MRF) Range. Primary facilities include the MRF range, operations control area, control tower, classroom building, operations/storage building, bleacher enclosure, covered mess, latrine, ammunition breakdown building, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include electric service; paving, walks, curbs and gutters; storm drainage; and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 28 kW _r /8 Tons).						
11. REQ:		16 FP ADQT:		NONE		SUBSTD: NONE
PROJECT: Construct a standard design Modified Record Fire Range at Fort Hood, Texas. (Current Mission)						
REQUIREMENT: This project is required to provide a permanent facility to support current approved programs to train and test individual Soldiers on the skills necessary to identify, engage and defeat stationary infantry targets for day/night qualification requirements with the M16 and M4 rifles. This						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 67020
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Bleacher Enclosure	EA	1 --	90,290	(90)
Covered Mess	m2 (SF)	74.32 (800)	1,281	(95)
Latrine	EA	2 --	25,857	(52)
Ammunition Breakdown Building	m2 (SF)	17.19 (185)	6,597	(113)
Sustainability/Energy Measures	LS	--	--	(12)
Total				362

REQUIREMENT: (CONTINUED)

range supports the Installation Range Development Plan and individual skill training and weapons qualification requirements.

CURRENT SITUATION: Existing ranges at Fort Hood do not offer capability to support this training range requirement.

IMPACT IF NOT PROVIDED: If this project is not provided, training on small arms ranges will not be available for prescribed programs of instruction.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... SEP 2010
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... APR 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build

- (2) Basis:
 - (a) Standard or Definitive Design: YES

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER 67020
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12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (b) Where Most Recently Used:
Fort Jackson
- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- | | |
|---|-----|
| (a) Production of Plans and Specifications..... | 110 |
| (b) All Other Design Costs..... | 86 |
| (c) Total Design Cost..... | 196 |
| (d) Contract..... | 100 |
| (e) In-house..... | 96 |
- (4) Construction Contract Award..... JAN 2013
- (5) Construction Start..... APR 2013
- (6) Construction Completion..... APR 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 254-287-5707

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. PROJECT TITLE Training Aids Center		
5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 141	7. PROJECT NUMBER 71120	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000		
9. COST ESTIMATES					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>				19,080	
Training Aid Center	m2 (SF)	15,254 (164,195)	1,227	(18,711)	
Sustainability/Energy Measures	LS	--	--	(369)	
<u>SUPPORTING FACILITIES</u>				2,198	
Electric Service	LS	--	--	(176)	
Water, Sewer, Gas	LS	--	--	(966)	
Paving, Walks, Curbs & Gutters	LS	--	--	(362)	
Storm Drainage	LS	--	--	(69)	
Site Imp(424) Demo()	LS	--	--	(424)	
Information Systems	LS	--	--	(178)	
Antiterrorism Measures	LS	--	--	(23)	
ESTIMATED CONTRACT COST				21,278	
CONTINGENCY (5.00%)				1,064	
SUBTOTAL				22,342	
SUPV, INSP & OVERHEAD (5.70%)				1,273	
DESIGN/BUILD - DESIGN COST				894	
TOTAL REQUEST				24,509	
TOTAL REQUEST (ROUNDED)				25,000	
INSTALLED EQT-OTHER APPROP				(2,018)	
10. Description of Proposed Construction Construct a standard design Training Aids Center. Primary facilities include the Training Aids Center, Intrusion Detection System (IDS) installation, Energy Monitoring and Control System (EMCS) connection, and building information systems. Sustainability/Energy Measures will be provided. Supporting facilities include electric service; water, sewer, gas; paving, walks, curbs and gutters; storm drainage; site improvements; and information systems. Antiterrorism measures will be included. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 359 kW/102 Tons).					
11. REQ:	15,254 m2	ADQT:	NONE	SUBSTD:	7,897 m2
PROJECT: Construct a standard design Training Aids Center at Fort Hood, Texas. (Current Mission)					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Training Aids Center	5. PROJECT NUMBER 71120
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REQUIREMENT: Army units assigned to Fort Hood will require an increase in the quantity and type of live and virtual training devices used. Storage is needed to support the increases in training aid devices and to protect the investment of these devices.

CURRENT SITUATION: Current warehouse buildings are fully engaged supporting existing missions. Existing spaces do not accommodate fabrication required in support of existing missions. Existing arms storage is structurally deficient and not secure in accordance with Army standards.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Hood will not be able to protect its training aid and device investments. Training components will be exposed to the elements, drastically reducing their useful life and compromising reliable training.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	SEP 2010
(b) Percent Complete As Of January 2012.....	15.00
(c) Date 35% Designed.....	JAN 2013
(d) Date Design Complete.....	JUL 2013
(e) Parametric Cost Estimating Used to Develop Costs	YES
(f) Type of Design Contract: Design-build	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Most Recently Used:	Fort Drum
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	640
(b) All Other Design Costs.....	480
(c) Total Design Cost.....	1,120

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Training Aids Center	5. PROJECT NUMBER 71120
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(d) Contract.....	640
(e) In-house.....	480
(4) Construction Contract Award.....	JAN 2013
(5) Construction Start.....	APR 2013
(6) Construction Completion.....	JAN 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Equipment	OPA	2013	540
Equipment	OPA	2014	1,260
Info Sys - ISC	OPA	2015	218
		TOTAL	2,018

Installation Engineer:
Phone Number: 254-287-5707

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Unmanned Aerial Vehicle Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 214	7. PROJECT NUMBER 80113		8. PROJECT COST (\$000) Auth 22,000 Approp 22,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						13,635
Vehicle Maintenance Shop		m2 (SF)	1,747 (18,800)		2,309	(4,033)
Company Operations Facility		m2 (SF)	1,384 (14,900)		2,033	(2,814)
Covered Hardstand		m2 (SF)	216.46 (2,330)		671.90	(145)
Organizational Vehicle Parking		m2 (SY)	10,768 (12,878)		127.35	(1,371)
Organizational Storage		m2 (SF)	390.19 (4,200)		992.44	(387)
Total from Continuation page						(4,885)
<u>SUPPORTING FACILITIES</u>						5,739
Electric Service		LS	--		--	(1,482)
Water, Sewer, Gas		LS	--		--	(295)
Paving, Walks, Curbs & Gutters		LS	--		--	(640)
Storm Drainage		LS	--		--	(681)
Site Imp(1,968) Demo()		LS	--		--	(1,968)
Information Systems		LS	--		--	(552)
Antiterrorism Measures		LS	--		--	(121)
ESTIMATED CONTRACT COST						19,374
CONTINGENCY (5.00%)						969
SUBTOTAL						20,343
SUPV, INSP & OVERHEAD (5.70%)						1,160
TOTAL REQUEST						21,503
TOTAL REQUEST (ROUNDED)						22,000
INSTALLED EQT-OTHER APPROP						()
10. Description of Proposed Construction Construct an Unmanned Aerial Vehicle UAV) Complex to include a standard design company operations facility with covered overhead storage, a vehicle maintenance shop, organizational storage (including for UAS containers), hazardous waste and oil storage, organizational vehicle parking, and building information systems. Primary facility also includes, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainability/Energy Measures are required. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 492 kW _r /140 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80113
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Oil Storage Building	m2 (SF)	44.59 (480)	1,603	(71)
Hazardous Waste Storage	m2 (SF)	44.59 (480)	1,603	(71)
UAV Maintenance Hangar Addn	m2 (SF)	717.49 (7,723)	3,532	(2,534)
UAS Containers Storage	m2 (SF)	929.03 (10,000)	992.43	(922)
Special Foundations	LS	--	--	(1,001)
Sustainability/Energy Measures	LS	--	--	(286)
			Total	4,885

11. REQ: 255,130 m2 ADQT: 197,168 m2 SUBSTD: 25,584 m2
PROJECT: Construct standard design facilities for UAV Complex at Ford Hood, Texas. (New Mission)
REQUIREMENT: This project is required to provide facilities for fielding an Extended Range/Multipurpose (ERMP) UAV Company. This will allow the ERMP UAS unit to maintain readiness. These facilities are required to provide aircraft maintenance, repair and storage; aircraft administrative operations; company operations; vehicle maintenance; and aircraft operations to support this unit.
CURRENT SITUATION: No adequate facilities at Fort Hood currently exist or are available to provide aircraft maintenance, repair and storage; aircraft administrative operations; company operations; vehicle maintenance; and aircraft operations to support this unit. Existing company operations and vehicle maintenance shops on the installation are fully utilized by other units.
IMPACT IF NOT PROVIDED: If this project is not provided, the ERMP UAV will lack adequate facilities to perform mission training, maintenance, and efficient operations. Lack of adequate facilities may negatively impact operational readiness and the sustainment of combat capabilities for this increasingly critical warfighting technology.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80113
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ADDITIONAL: (CONTINUED)
laws and Executive Orders.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... AUG 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... APR 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Riley

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 355
 - (b) All Other Design Costs..... 710
 - (c) Total Design Cost..... 1,065
 - (d) Contract..... 710
 - (e) In-house..... 355

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... MAY 2013

 - (6) Construction Completion..... OCT 2014

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Hood, Texas

4. PROJECT TITLE Unmanned Aerial Vehicle Complex	5. PROJECT NUMBER 80113
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer:
Phone Number: 254-287-5707

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Joint Base San Antonio Texas				4. PROJECT TITLE Barracks		
5. PROGRAM ELEMENT 87796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 68530		8. PROJECT COST (\$000) Auth 21,000 Approp 21,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						14,736
Barracks		m2 (SF)	7,488 (80,600)		1,773	(13,274)
Historic Architectural Features		LS	--		--	(666)
Special Foundations		LS	--		--	(531)
Sustainability/Energy Measures		LS	--		--	(265)
<u>SUPPORTING FACILITIES</u>						3,069
Electric Service		LS	--		--	(353)
Water, Sewer, Gas		LS	--		--	(119)
Paving, Walks, Curbs & Gutters		LS	--		--	(818)
Storm Drainage		LS	--		--	(349)
Site Imp(774) Demo()		LS	--		--	(774)
Information Systems		LS	--		--	(636)
Antiterrorism Measures		LS	--		--	(20)
ESTIMATED CONTRACT COST						17,805
CONTINGENCY (5.00%)						890
SUBTOTAL						18,695
SUPV, INSP & OVERHEAD (5.70%)						1,066
DESIGN/BUILD - DESIGN COST						748
TOTAL REQUEST						20,509
TOTAL REQUEST (ROUNDED)						21,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design 216 space barracks. Primary facilities include the barracks, historical architectural features, mass notification system, building information systems, fire detection system, special foundations, and Energy Monitoring Control Systems (EMCS) connection. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 928 kW/264 Tons).						
11. REQ:		1,295 PN ADQT:	660 PN SUBSTD:		NONE	
PROJECT: Construct standard design Barracks at Joint Base San Antonio, Texas.						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base San Antonio, Texas

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 68530
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PROJECT: (CONTINUED)
(Current Mission)
REQUIREMENT: This project is required to construct a standard barracks with 216 spaces. This barracks is needed to meet the billeting demands for Soldiers stationed at Joint Base San Antonio. Maximum barracks utilization is 216 Soldiers. The intended use is for 184 junior enlisted Soldiers and 16 junior noncommissioned officers. The project is sited within the Historic Landmark District and will require certain Historic Architectural Features.
CURRENT SITUATION: Housing for permanent party personnel is currently fully utilized. A review of the existing facilities indicates that there are no buildings available to convert to support the increase in permanent party barracks.
IMPACT IF NOT PROVIDED: If this project is not provided, there will be insufficient permanent party barracks at Joint Base San Antonio. Without barracks, permanent party personnel must be diverted to the local civilian housing market.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Date Design Started..... NOV 2010
 - (b) Percent Complete As Of January 2012..... 25.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... JUL 2013
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-build

- (2) Basis:
- (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Bliss

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base San Antonio, Texas

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 68530
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	750
(b) All Other Design Costs.....	375
(c) Total Design Cost.....	1,125
(d) Contract.....	750
(e) In-house.....	375
(4) Construction Contract Award.....	APR 2013
(5) Construction Start.....	JUN 2013
(6) Construction Completion.....	JUN 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NONE			

Installation Engineer:
Phone Number: 210-221-4775

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	MISSION	PAGE
----- PROJECT NUMBER -----	----- PROJECT TITLE -----	REQUEST	REQUEST			
Virginia	Arlington National Cemetery (ANC)					
80788	Cemetery Expansion Millennium Site	84,000	84,000	C		227
	Subtotal Arlington National Cemetery Part I	\$ 84,000	84,000			
	Fort Belvoir (IMCOM)					231
58849	Secure Admin/Operations Facility	94,000	94,000	C		233
	Subtotal Fort Belvoir Part I	\$ 94,000	94,000			
	Fort Lee (IMCOM)					237
33771	Adv Individual Training Barracks Cplx, Ph2	81,000	81,000	C		239
	Subtotal Fort Lee Part I	\$ 81,000	81,000			
	* TOTAL MCA FOR Virginia	\$ 259,000	259,000			

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Arlington National Cemetery Virginia				4.PROJECT TITLE Cemetery Expansion Millennium Site		
5.PROGRAM ELEMENT 90100A		6.CATEGORY CODE 760	7.PROJECT NUMBER 80788		8.PROJECT COST (\$000) Auth 84,000 Approp 84,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						51,925
National Cemetery Expansion		EA	1 --		50125400	(50,125)
Special Foundations		LS	--		--	(1,800)
<u>SUPPORTING FACILITIES</u>						24,144
Electric Service		LS	--		--	(452)
Water, Sewer, Gas		LS	--		--	(1,876)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,340)
Storm Drainage		LS	--		--	(1,195)
Site Imp(18,904) Demo(377)		LS	--		--	(19,281)
ESTIMATED CONTRACT COST						76,069
CONTINGENCY (5.00%)						3,803
SUBTOTAL						79,872
SUPV, INSP & OVERHEAD (5.70%)						4,553
TOTAL REQUEST						84,425
TOTAL REQUEST (ROUNDED)						84,000
INSTALLED EQT-OTHER APPROP						(0)
10.Description of Proposed Construction Develop the Millennium Site to increase burial space at Arlington National Cemetery. Construction includes casket burial sections, in-ground sites for ashes of cremated service members and both columbarium niche courts and niche walls. The site will include an assembly area for service participants including a Committal Service Shelter. Building and site element construction shall be suitable for the environment and compliment the architectural theme and considerations of the National Cemetery at Arlington. Expansion Improvements shall include 21,100 pre-set liners for in-ground burial, 29,600 columbarium niche sites and 5,300 in-ground cremains sites, a pedestrian bridge over an existing stream, and a water fountain. Supporting facilities include waterlines, sanitary sewer, storm drainage, underground electrical and communications/information systems, stream restoration, landscaping, retaining walls, perimeter fencing, vehicle and pedestrian access roads and walks, and security systems. Demolition and preparation of the site will require demolition of existing site features and pavements, removal of trees and vegetation, protection of natural site features and select trees. Provide special foundations as required to address the varying soil conditions on the site. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Arlington National Cemetery, Virginia		
4. PROJECT TITLE Cemetery Expansion Millennium Site	5. PROJECT NUMBER 80788	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION:</u> (CONTINUED)</p> <p>services are required. Access for individuals with disabilities will be provided. Demolish 3 buildings (TOTAL 1,003 m2/10,797 SF).</p>		
<p>11. <u>REQ:</u> 1 EA ADQT: NONE SUBSTD: 1 EA</p> <p><u>PROJECT:</u> Provide cemetery expansion (Millennium Site) at Arlington National Cemetery, Virginia. (Current Mission)</p> <p><u>REQUIREMENT:</u> Additional burial space and supporting facilities are required to support the ongoing mission of Arlington National cemetery: "On behalf of the American people, lay to rest those who have served our nation with dignity and honor, treating their families with respect and compassion, and connecting guests to the rich tapestry of the cemetery's living history, while maintaining these hallowed grounds befitting the sacrifice of all those who rest here in quiet repose."</p> <p><u>CURRENT SITUATION:</u> Arlington National Cemetery is our Nation's most revered cemetery. More than four million people visit Arlington National Cemetery annually, many coming to pay final respects at graveside services, of which nearly 100 are conducted each week. Arlington National Cemetery performs 27 to 30 funeral services each day. Cemetery space is limited and Arlington National Cemetery is projected to reach full capacity in 2025. A space study conducted by the Center for Army Analysis indicated the average burial frequency at 27 per day, resulting in a total of 7,020 burials per year. Current trends show a distribution of 37% for first internment (in-ground burial), 40% for columbaria, and 23% for second internment (in-ground burial for spouse in same plot as first internment).</p> <p><u>IMPACT IF NOT PROVIDED:</u> Arlington National Cemetery will continue to operate until capacity is reached. If this project is not provided, Arlington National Cemetery will run out of space for gravesites in 2025 and space for niches in 2024.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Arlington National Cemetery, Virginia

4. PROJECT TITLE Cemetery Expansion Millennium Site	5. PROJECT NUMBER 80788
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... FEB 2012
 - (b) Percent Complete As Of January 2012..... .00
 - (c) Date 35% Designed..... JUN 2012
 - (d) Date Design Complete..... NOV 2012
 - (e) Parametric Cost Estimating Used to Develop Costs..... NO
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 3,899
 - (b) All Other Design Costs..... 2,340
 - (c) Total Design Cost..... 6,239
 - (d) Contract..... 3,899
 - (e) In-house..... 2,340

- (4) Construction Contract Award..... JUN 2013

- (5) Construction Start..... AUG 2013

- (6) Construction Completion..... AUG 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
NONE			

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Belvoir Virginia			4. COMMAND US Army Installation Command			5. AREA CONSTRUCTION COST INDEX 1.01	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	2369	3153	7057	193	328	185	1002 771 28419 43,477
B. END FY 2017	2658	3251	7061	191	317	392	1001 770 27938 43,579
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	3,541 ha		(8,750 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....							6,182,578
C. AUTHORIZATION NOT YET IN INVENTORY.....							262,250
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							94,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							655,394
H. GRAND TOTAL.....							7,194,222
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
141	58849	Secure Admin/Operations Facility		94,000	01/2005	09/2007	
				TOTAL	94,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Provide installation support to authorized units, activities and personnel assigned to or located in the Fort Belvoir geographical support region including: various Headquarters Department of the Army and Department of Defense agencies, Intelligence and Security Command, Defense Threat Reduction Agency, Defense Logistics Agency, U.S. Army Criminal Investigation Command, National Geospatial-Intelligence Agency, Defense Acquisition University, Army Management Staff College, Army Force Management School, Army Inspector General School, and Defense Contract Audit Command.							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Fort Belvoir, Virginia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Belvoir Virginia				4.PROJECT TITLE Secure Admin/Operations Facility		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 141	7.PROJECT NUMBER 58849		8.PROJECT COST (\$000) Auth 94,000 Approp 94,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						83,355
Sensitive Compart Info Facility		m2 (SF)	17,881 (192,473)		3,048	(54,499)
ODNI Compliance		LS	--		--	(2,622)
Special Foundation		LS	--		--	(3,928)
Standby Generator		kWe (KW)	6,000 (6,000)		800.00	(4,800)
IDS Installation		LS	--		--	(1,757)
Total from Continuation page						(15,749)
<u>SUPPORTING FACILITIES</u>						1,008
Site Imp(770) Demo()		LS	--		--	(770)
Information Systems		LS	--		--	(238)
ESTIMATED CONTRACT COST						84,363
CONTINGENCY (5.00%)						4,218
SUBTOTAL						88,581
SUPV, INSP & OVERHEAD (5.70%)						5,049
TOTAL REQUEST						93,630
TOTAL REQUEST (ROUNDED)						94,000
INSTALLED EQT-OTHER APPROP						(13,272)
10.Description of Proposed Construction Construct a Secure Administration/Operations Facility for the Information Dominance Center (IDC). Primary facilities in the SCIF consist of specialized operations space, equipment storage, classrooms, server space, locker rooms, cafeteria, and stand-by generator. Project requires compliance with Office of the Director of National Intelligence (ODNI) Intelligence Community Directives (ICS) 705.1 requirements. Also included will be mechanical/utility rooms, building information systems, administrative space and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included to safeguard the handling and storage of sensitive material. Project also includes mechanical, electrical, information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, Energy Monitoring and Control Systems (EMCS) connection. Supporting facilities include site improvements and information systems. Sustainability/Energy measures will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance.						

1. COMPONENT	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		06 FEB 2012

3. INSTALLATION AND LOCATION
Fort Belvoir, Virginia

4. PROJECT TITLE	5. PROJECT NUMBER
Secure Admin/Operations Facility	58849

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
EMCS Connections	LS	--	--	(50)
Sustainability/Energy Measures	LS	--	--	(516)
Antiterrorism Measures	LS	--	--	(1,886)
Building Information Systems	LS	--	--	(13,297)
			Total	15,749

11. REQ: 49,517 m2 ADQT: 21,148 m2 SUBSTD: NONE

PROJECT: Construct a Secure Administration/Operations Facility for the Information Dominance Center at Fort Belvoir, Virginia. (Current Mission)

REQUIREMENT: This project is required to consolidate and expand current mission supporting Intelligence and Security Command (INSCOM), Military Intelligence Reserve Command (MIRC), and 1st Intelligence Operations (1st IO) intelligence gathering operations. This additional requirement, supported by authorized personnel increases of 794 persons, and 193 persons added by MIRC, Army Network Operations and Security Center (ANOSC) and Army Directed Studies Office (ADSO), also includes the mission to support a continuous personnel training load for 100 persons.

CURRENT SITUATION: There is no space in the INSCOM headquarters building to support projected personnel increases. Personnel currently assigned to the headquarters work in overcrowded conditions. Elements of INSCOM and MIRC are presently in or moving to leased space. Total space accommodated through leasing is approximately 88,000 SF.

IMPACT IF NOT PROVIDED: If this project is not provided, INSCOM's ability to provide Army-wide information operations support will be impeded. Information operations support, intelligence gathering, and intelligence analysis will be restricted by the limitations of scattered substandard facilities. Without an expanded and consolidated facility, overcrowding and disjointed operations will worsen. INSCOM will be forced to maintain expensive leased facilities that do not meet minimum force protection standards or security requirements. INSCOM may not achieve the maximum potential capability in intelligence gathering, analysis, and dissemination.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Belvoir, Virginia

4. PROJECT TITLE Secure Admin/Operations Facility	5. PROJECT NUMBER 58849
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ADDITIONAL: (CONTINUED)
 use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	<u>JAN 2005</u>
(b) Percent Complete As Of January 2012.....	<u>100.00</u>
(c) Date 35% Designed.....	<u>AUG 2006</u>
(d) Date Design Complete.....	<u>SEP 2007</u>
(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design: NO	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	<u>4,429</u>
(b) All Other Design Costs.....	<u>2,657</u>
(c) Total Design Cost.....	<u>7,086</u>
(d) Contract.....	<u>4,429</u>
(e) In-house.....	<u>2,657</u>
(4) Construction Contract Award.....	<u>JAN 2013</u>
(5) Construction Start.....	<u>APR 2013</u>
(6) Construction Completion.....	<u>APR 2015</u>

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
Fort Belvoir, Virginia

4. PROJECT TITLE Secure Admin/Operations Facility	5. PROJECT NUMBER 58849
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
UPS	OPA	2014	1,490
Info Sys - ISC	OPA	2014	4,866
Info Sys - PROP	OPA	2014	6,916
		TOTAL	<u>13,272</u>

Installation Engineer:
Phone Number: (703) 806-3017

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM		2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Lee Virginia		4. COMMAND US Army Installation Management Command	5. AREA CONSTRUCTION COST INDEX 0.91
6. PERSONNEL STRENGTH:			
	PERMANENT	STUDENTS	SUPPORTED
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL
	TOTAL	TOTAL	TOTAL
A. AS OF 30 NOV 2011	769 3449 2486	1482 8301 92	103 442 5593
B. END FY 2017	731 2728 2379	1387 8826 109	103 447 5853
7. INVENTORY DATA (\$000)			
A. TOTAL AREA.....	2,620 ha	(6,474 AC)	
B. INVENTORY TOTAL AS OF 12 JAN 2012.....			3,517,492
C. AUTHORIZATION NOT YET IN INVENTORY.....			261,927
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....			81,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....			0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....			0
G. REMAINING DEFICIENCY.....			1,247,721
H. GRAND TOTAL.....			5,108,140
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE NUMBER PROJECT TITLE		(\$000)	START COMPLETE
721 33771 Adv Individual Training Barracks Cplx, Ph2		81,000	05/2011 10/2012
	TOTAL	81,000	
9. FUTURE PROJECT APPROPRIATIONS:			
CATEGORY		COST	
CODE PROJECT TITLE		(\$000)	
A. INCLUDED IN THE FY 2014 PROGRAM: NONE			
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE			
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		N/A	
10. MISSION OR MAJOR FUNCTIONS:			
Provide the Army with combat developments, training developments, and institutional training; participating in the force structuring process; determine materiel requirements and influence the development, acquisition, and fielding processes for combat service support functions.			
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:			
		(\$000)	
A. AIR POLLUTION		0	
B. WATER POLLUTION		0	
C. OCCUPATIONAL SAFETY AND HEALTH		0	

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Fort Lee Virginia			4.PROJECT TITLE Adv Individual Training Barracks Cplx, Ph2			
5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 721	7.PROJECT NUMBER 33771		8.PROJECT COST (\$000) Auth 81,000 Approp 81,000		
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>					60,592	
Barracks w/Company Ops Fac		m2 (SF)	24,164 (260,100)	1,992	(48,132)	
Battalion HQs w/Classrooms		m2 (SF)	3,497 (37,638)	2,459	(8,598)	
Brigade Headquarters		m2 (SF)	1,251 (13,464)	2,129	(2,663)	
Sustainability/Energy Measures		LS	--	--	(1,199)	
<u>SUPPORTING FACILITIES</u>					11,942	
Electric Service		LS	--	--	(1,607)	
Water, Sewer, Gas		LS	--	--	(2,116)	
Paving, Walks, Curbs & Gutters		LS	--	--	(1,042)	
Storm Drainage		LS	--	--	(648)	
Site Imp(3,183) Demo(2,888)		LS	--	--	(6,071)	
Information Systems		LS	--	--	(458)	
ESTIMATED CONTRACT COST					72,534	
CONTINGENCY (5.00%)					3,627	
SUBTOTAL					76,161	
SUPV, INSP & OVERHEAD (5.70%)					4,341	
TOTAL REQUEST					80,502	
TOTAL REQUEST (ROUNDED)					81,000	
INSTALLED EQT-OTHER APPROP					(2,267)	
10.Description of Proposed Construction This project consists of 3 phases. Phase 1 (PN36113) was appropriated in FY 2010 for \$65M. Phase 3 (PN 41449) will be requested in FY 2015 for \$103M. This project is Phase 2. Construct a standard design Advanced Individual Training (AIT) Complex. Primary facilities include Brigade Headquarters, three Battalion Headquarters with Classrooms, two 300 persons Barracks with Company Operations facilities, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainability/Energy Measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self contained units. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 11 buildings (TOTAL 16,171 m2/174,067						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Adv Individual Training Barracks Cplx, Ph2	5. PROJECT NUMBER 33771	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) SF). Air Conditioning (Estimated 3,647 kW/1,037 Tons).		
<p>11. REQ: 8,317 PN ADQT: 1,648 PN SUBSTD: 7,344 PN PROJECT: Construct a standard design AIT Complex at Fort Lee, Virginia. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide facilities that comply with current Army standards for AIT student housing. Estimated intended and maximum utilization for the entire AIT Complex is 2,400 trainees after all three phases are completed. In addition to billeting facilities, this project is required to provide operational headquarters facilities for three battalions and one brigade headquarters.</p> <p><u>CURRENT SITUATION:</u> The existing hammerhead-style barracks, which were constructed in 1956, house administration and inactive dining functions. The barracks are also configured with common latrines and open dayrooms. The common latrines force ineffective use of occupancy due to the male/female gender separation by floor/wing and training unit. This situation often requires male Soldiers to double bunk in the open bay areas. The lack of proper housing for Soldiers contributes to decrease in morale and limits the effectiveness of their ability to perform training activities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Soldiers will continue to live in conditions that do not provide for efficient training. Living environment for Soldiers will deteriorate and may adversely affect morale and career retention. Battalion and brigade headquarters functions will continue to be conducted in substandard facilities jeopardizing mission functions and working environment.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p> <p>During the past two years, \$81M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Fort Lee. Upon completion of this multi-phased project and other projects approved through FY 2014, the remaining unaccompanied enlisted permanent party deficit is 0 personnel at this installation.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Lee, Virginia

4. PROJECT TITLE Adv Individual Training Barracks Cplx, Ph2	5. PROJECT NUMBER 33771
--	--------------------------------

	FY2010 (\$000)	Requested FY2013 (\$000)	FYDP FY2015 (\$000)
Authorization	\$65,000	\$81,000	\$103,000
Authorization of Appropriation	\$65,000	\$81,000	\$103,000
Appropriation	\$65,000	\$81,000	\$103,000

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started..... MAY 2011

(b) Percent Complete As Of January 2012..... 35.00

(c) Date 35% Designed..... JAN 2012

(d) Date Design Complete..... OCT 2012

(e) Parametric Cost Estimating Used to Develop Costs YES

(f) Type of Design Contract: Adapt-Build

(2) Basis:

(a) Standard or Definitive Design: YES

(b) Where Most Recently Used:
Fort Lee

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 1,556

(b) All Other Design Costs..... 778

(c) Total Design Cost..... 2,334

(d) Contract..... 1,556

(e) In-house..... 778

(4) Construction Contract Award..... FEB 2013

(5) Construction Start..... APR 2013

(6) Construction Completion..... OCT 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Fort Lee, Virginia

4. PROJECT TITLE Adv Individual Training Barracks Cplx, Ph2	5. PROJECT NUMBER 33771
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Info Sys - ISC	OPA	2014	2,267
		TOTAL	<u>2,267</u>

Installation Engineer:
Phone Number: 804-734-5015

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/			
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	PAGE
-----	-----	-----	-----	-----	-----
Washington	Joint Base Lewis-McChord (IMCOM)				245
64456	Battalion Complex	73,000	73,000	C	247
75165	Waste Water Treatment Plant	91,000	91,000	C	250
	Yakima Firing Center				
67545	Convoy Live Fire Range	5,100	5,100	C	254
		-----	-----		
	Subtotal Joint Base Lewis-McChord Part I	\$ 169,100	169,100		
	* TOTAL MCA FOR Washington	\$ 169,100	169,100		
	** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 1,590,150	1,590,150		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	5154	29741	5138	22	250	0	56,878
B. END FY 2017	5306	30407	6074	19	237	0	50,241
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	0 ha		0 AC				
B. INVENTORY TOTAL AS OF							0
C. AUTHORIZATION NOT YET IN INVENTORY.....							2,080,503
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....							169,100
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....							158,600
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							1,361,431
H. GRAND TOTAL.....							3,769,634
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY	PROJECT			COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	64456	Battalion Complex		73,000	01/2011	07/2013	
177	67545	Convoy Live Fire Range		5,100	06/2011	10/2012	
831	75165	Waste Water Treatment Plant		91,000	05/2011	07/2013	
				TOTAL	169,100		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM:							
178		Multipurpose Machine Gun Range		8,600			
211		Aircraft Maintenance Hangar		85,000			
730		Airfield Operations Complex		38,000			
141		Aviation Battalion Complex		27,000			
				TOTAL	158,600		
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A							
10. MISSION OR MAJOR FUNCTIONS:							
I Corps: On order, deploy to conduct operations across the military spectrum of conflict as a Joint Force Headquarters (Joint Task Force, Combined or Multi-National/Joint Force Land Component Command) or as an Army Corps. Maintain trained and ready forces for Combatant Commanders worldwide. Team Lewis-McChord: Operate a state-of-the-art power generation platform for warfighters by providing them with superior training support and infrastructure. Train, deploy, and redeploy ready forces. Support the Transformation of I Corps and Joint Base Lewis-McChord. Maintain the well-being of our Soldiers, civilians, retirees, and							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Joint Base Lewis-McChord, Washington

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)
their families.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington				4.PROJECT TITLE Battalion Complex		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 721	7.PROJECT NUMBER 64456		8.PROJECT COST (\$000) Auth 73,000 Approp 73,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						43,748
Barracks		m2 (SF)	11,237 (120,956)		2,249	(25,270)
Dining Facility		m2 (SF)	1,931 (20,786)		4,069	(7,858)
Battalion HQs w/Classrooms		m2 (SF)	3,430 (36,924)		2,780	(9,536)
Storage Buildings		m2 (SF)	151.90 (1,635)		1,403	(213)
Sustainability/Energy Measures		LS	--		--	(871)
<u>SUPPORTING FACILITIES</u>						19,218
Electric Service		LS	--		--	(1,655)
Water, Sewer, Gas		LS	--		--	(458)
Steam And/Or Chilled Water Dist		LS	--		--	(1,559)
Paving, Walks, Curbs & Gutters		LS	--		--	(6,966)
Storm Drainage		LS	--		--	(46)
Site Imp(1,115) Demo(6,304)		LS	--		--	(7,419)
Information Systems		LS	--		--	(714)
Antiterrorism Measures		LS	--		--	(401)
ESTIMATED CONTRACT COST						62,966
CONTINGENCY (5.00%)						3,148
SUBTOTAL						66,114
SUPV, INSP & OVERHEAD (5.70%)						3,768
DESIGN/BUILD - DESIGN COST						2,645
TOTAL REQUEST						72,527
TOTAL REQUEST (ROUNDED)						73,000
INSTALLED EQT-OTHER APPROP						(1,498)
10.Description of Proposed Construction Construct standard design barracks for 324 spaces, a dining facility, two battalion headquarters buildings with classrooms, storage buildings, building information systems, antiterrorism measures, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainability/Energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating will be provided from either the existing heating plant or individual heating units depending on what is most cost effective. Mechanical ventilation for 200,000 cubic feet per minute will be provided. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 11 buildings (TOTAL 30,697 m2/330,416 SF). Air Conditioning (Estimated 18 kW/5						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base Lewis-McChord, Washington

4. PROJECT TITLE Battalion Complex	5. PROJECT NUMBER 64456
---	--------------------------------

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)
Tons).

11. REQ: 9,614 PN ADQT: 6,258 PN SUBSTD: 4,943 PN

PROJECT: Construct standard design facilities for a Battalion Complex at Joint Base Lewis-McChord, Washington. (Current Mission)

REQUIREMENT: This project is required to provide permanent barracks, Battalion Headquarters, and Dining Facility for a Battalion Complex. Maximum utilization will be 324 enlisted personnel. The intended use is for 285 junior enlisted Soldiers and 39 junior noncommissioned officers.

CURRENT SITUATION: Currently there are no adequate facilities available at Joint Base Lewis-McChord that can meet the needs of assigned Soldiers. All existing adequate facilities are fully utilized.

IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will not have adequate permanent facilities to accomplish their mission. The brigade will be scattered throughout the installation in temporary and inadequate facilities and leased relocatable structures.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

During the past two years, \$23.8M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Joint Base Lewis-McChord. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 329 personnel at this installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... JAN 2011
- (b) Percent Complete As Of January 2012..... 15.00
- (c) Date 35% Designed..... JAN 2013
- (d) Date Design Complete..... JUL 2013
- (e) Parametric Cost Estimating Used to Develop Costs YES

1.COMONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
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3.INSTALLATION AND LOCATION

Joint Base Lewis-McChord, Washington

4.PROJECT TITLE Battalion Complex	5.PROJECT NUMBER 64456
--	-------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(f) Type of Design Contract: Design-build

(2) Basis:

(a) Standard or Definitive Design: YES

(b) Where Most Recently Used:
Joint Base Lewis-McChord

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,736
(b) All Other Design Costs.....	1,042
(c) Total Design Cost.....	2,778
(d) Contract.....	1,736
(e) In-house.....	1,042

(4) Construction Contract Award..... FEB 2013

(5) Construction Start..... APR 2013

(6) Construction Completion..... OCT 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Battalion Equipment	OPA	2014	203
Dining Fac Equipment	OPA	2014	371
Info Sys - ISC	OPA	2014	924
		TOTAL	1,498

Installation Engineer:
Phone Number: 757-878-5342

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington			4. PROJECT TITLE Waste Water Treatment Plant		
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 831	7. PROJECT NUMBER 75165	8. PROJECT COST (\$000) Auth 91,000 Approp 91,000		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					69,544
Primary Waste Water Treatment		L/d(KG)	16,429 (4,340)	4,131	(67,863)
CCTV Installation		LS	--	--	(118)
EMCS Connection		LS	--	--	(140)
Sustainability/Energy Measures		LS	--	--	(1,403)
Building Information Systems		LS	--	--	(20)
<u>SUPPORTING FACILITIES</u>					9,058
Electric Service		LS	--	--	(1,176)
Water, Sewer, Gas		LS	--	--	(3,217)
Site Imp(4,651) Demo()		LS	--	--	(4,651)
Information Systems		LS	--	--	(14)
ESTIMATED CONTRACT COST					78,602
CONTINGENCY (5.00%)					3,930
SUBTOTAL					82,532
SUPV, INSP & OVERHEAD (5.70%)					4,704
DESIGN/BUILD - DESIGN COST					3,301
TOTAL REQUEST					90,537
TOTAL REQUEST (ROUNDED)					91,000
INSTALLED EQT-OTHER APPROP					(2,919)
10. Description of Proposed Construction Construct a Waste Water Treatment Plant (WWTP). Primary facilities include the WWTP, building information systems, fire protection and alarm systems, installation of closed-circuit television (CCTV), and Energy Monitoring and Control Systems (EMCS) connection. Sustainability/Energy measures will be provided. Supporting facilities include information systems, site development, utilities and connections, lighting, paving, parking, walks, information systems, landscaping and signage. Heating will be provided by self contained system. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 1,097 kW/312 Tons).					
11. REQ:		16,429 L/d ADQT:	NONE	SUBSTD:	16,429 L/d
PROJECT: Construct a Waste Water Treatment Plant at Joint Base Lewis-McChord (JBLM), Washington. (Current Mission)					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord, Washington		
4. PROJECT TITLE Waste Water Treatment Plant	5. PROJECT NUMBER 75165	
<p><u>REQUIREMENT:</u> This project is required to provide adequate facilities to support JBLM's active and reserve military population. Over the past few years, the existing plant treatment processes are not able to meet progressively stringent effluent limits. JBLM's goal is to treat all wastewaters to Class A Reclaimed Standards by 2025 to conserve water resources and to improve Puget Sound water quality. A wastewater treatment process is needed to produce Class A reclaimed water and reduce impacts to Puget Sound, allowing JBLM to reuse the wastewater through surface water discharge, injection for groundwater recharge and other reuse needs.</p> <p><u>CURRENT SITUATION:</u> The JBLM Wastewater Treatment Plant (WWTP) (also known as Tatsolo Point WWTP) is near the end of its useful life. The original primary treatment plant was built in 1955 and upgraded to secondary treatment in 1974. The WWTP utilizes outmoded treatment processes that are not capable of meeting increasingly stringent effluent requirements and has required nearly continuous upgrades, repairs and short-term fixes over the last decade. Despite best efforts to maintain the plant and recent expenditures to meet minimal compliance, the plant is on the verge of failure. The existing plant frequently fails to meet its current EPA permit, with 16 permit violations occurring since January 2010 for excessive chlorine residual, out-of-range pH, elevated Biological Oxygen Demand (BOD) or failure to achieve stipulated BOD removal percentages.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided then the plant will not be able to meet new permit requirements. The new permit is considerably more stringent than the current requirements. This will increase the frequency and number of violations. Each failure to meet permit stipulations exposes the Army to Notice of Violations (NOV) from the EPA. Each NOV may result in additional compliance agreements, or fines and penalties. The Environmental Impact Statement (EIS) Record of Decision issued prior to stationing may be challenged due to increases in pollutant loading reaching Puget Sound caused by the WWTP's age and outdated treatment processes. Implementing a new plant with up to date technologies will allow JBLM to meet current and future EPA discharge requirements.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Joint Base Lewis-McChord, Washington

4. PROJECT TITLE Waste Water Treatment Plant	5. PROJECT NUMBER 75165
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... MAY 2011
 - (b) Percent Complete As Of January 2012..... 15.00
 - (c) Date 35% Designed..... JAN 2013
 - (d) Date Design Complete..... JUL 2013
 - (e) Parametric Cost Estimating Used to Develop Costs NO
 - (f) Type of Design Contract: Design-build

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,248
 - (b) All Other Design Costs..... 1,248
 - (c) Total Design Cost..... 2,496
 - (d) Contract..... 1,248
 - (e) In-house..... 1,248

- (4) Construction Contract Award..... MAR 2013

- (5) Construction Start..... MAY 2013

- (6) Construction Completion..... OCT 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION
Joint Base Lewis-McChord, Washington

4. PROJECT TITLE Waste Water Treatment Plant	5. PROJECT NUMBER 75165
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
CCTV Equipment	OPA	2014	400
WWTP Equipment	OPA	2014	2,500
Info Sys - ISC	OPA	2014	19
		TOTAL	2,919

Installation Engineer:
Phone Number: 757-878-5342

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Yakima Firing Center Washington (Joint Base Lewis-McChord)			4. PROJECT TITLE Convoy Live Fire Range		
5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 177	7. PROJECT NUMBER 67545	8. PROJECT COST (\$000) Auth 5,100 Approp 5,100		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					4,451
Convoy Live Fire Range		EA	1 --	2233233	(2,233)
Training Area Roads		LS	--	--	(853)
Entry Control Point		EA	1 --	683,005	(683)
Control Area and Buildings		LS	--	--	(571)
Primary Power Generators		EA	2 --	53,866	(108)
Sustainability/Energy Measures		LS	--	--	(3)
<u>SUPPORTING FACILITIES</u>					158
Site Imp(9) Demo()		LS	--	--	(9)
Information Systems		LS	--	--	(149)
ESTIMATED CONTRACT COST					4,609
CONTINGENCY (5.00%)					230
SUBTOTAL					4,839
SUPV, INSP & OVERHEAD (5.70%)					276
TOTAL REQUEST					5,115
TOTAL REQUEST (ROUNDED)					5,100
INSTALLED EQT-OTHER APPROP					(1,801)
10. Description of Proposed Construction Construct a standard design Convoy Live Fire (CLF) Range. Primary facilities include the CLF Range, training area roads, entry control point, control area and buildings, primary power generators, and building information systems. Sustainability/Energy measures will be provided. Supporting facilities include site improvements and information systems. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 7 kW/2 Tons).					
11. REQ: 1 EA ADQT: NONE SUBSTD: NONE					
PROJECT: Construct a standard design Convoy Live Fire (CLF) Range at Joint Base Lewis-McChord (JBLM), Yakima Training Center, Washington. (Current mission)					
REQUIREMENT: This project is required to train and test Convoy Live Fire crews, platoons, and companies on the skills necessary to detect, identify, engage, and defeat stationary and moving vehicle and infantry targets from a stationary or moving platform. All vehicles with .50 caliber and Mark 19 weapons are required to conduct annual gunnery training. This project supports					

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Yakima Firing Center, Washington (Joint Base Lewis-McChord)

4. PROJECT TITLE Convoy Live Fire Range	5. PROJECT NUMBER 67545
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REQUIREMENT: (CONTINUED)
Soldiers at JBLM Yakima Training Center in active Army, Reserve, and National Guard Units.

CURRENT SITUATION: JBLM Yakima Training Center currently does not have a standard Convoy Live Fire Range. Yakima Training Center utilizes non-standard objectives, and existing roads, requiring temporary Surface Danger Zones (SDZs) to be established, which results in closure of large areas utilized for both maneuver and live fire training. Maintaining required throughput is difficult because conditions often prohibit closure of the areas necessary for SDZs.

IMPACT IF NOT PROVIDED: If this facility is not provided, Soldiers will not be able to obtain and maintain efficiency for convoy live fire training. Combat readiness may be negatively impacted.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Date Design Started.....	<u>JUN 2011</u>
(b) Percent Complete As Of January 2012.....	<u>35.00</u>
(c) Date 35% Designed.....	<u>JAN 2012</u>
(d) Date Design Complete.....	<u>OCT 2012</u>
(e) Parametric Cost Estimating Used to Develop Costs	<u>YES</u>
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design:	YES
(b) Where Most Recently Used:	Fort Hood
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	<u>120</u>
(b) All Other Design Costs.....	<u>310</u>

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Yakima Firing Center, Washington (Joint Base Lewis-McChord)

4. PROJECT TITLE Convoy Live Fire Range	5. PROJECT NUMBER 67545
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(c) Total Design Cost.....	430
(d) Contract.....	310
(e) In-house.....	120
(4) Construction Contract Award.....	APR 2013
(5) Construction Start.....	JUN 2013
(6) Construction Completion.....	JUN 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target System	OPA	2013	1,800
Info Sys - ISC	OPA	2014	1
		TOTAL	1,801

Installation Engineer:
Phone Number: 757-878-5342

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)			NEW/	
-----	-----	AUTHORIZATION	APPROPRIATION	CURRENT	MISSION PAGE
PROJECT	PROJECT TITLE	REQUEST	REQUEST		
NUMBER	-----	-----	-----		
-----	-----	-----	-----		
Italy	Italy Various (IMCOM)				259
	Camp Ederle				
71911	Barracks	36,000	36,000	C	261
	Vicenza Mil Cnty				
64079	Simulations Center	32,000	32,000	C	265
		-----	-----		
	Subtotal Italy Various Part I	\$ 68,000	68,000		
	* TOTAL MCA FOR Italy	\$ 68,000	68,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Italy Various Italy			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.26	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	853	3866	1664	0	0	0	8,505
B. END FY 2017	1043	5097	1441	0	0	0	9,800
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	1,237 ha		(3,057 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....	2,679,400						
C. AUTHORIZATION NOT YET IN INVENTORY.....	500,625						
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....	68,000						
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....	0						
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	394,935						
H. GRAND TOTAL.....	3,642,960						
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY	PROJECT			COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
172	64079	Simulations Center		32,000	09/2010	10/2012	
721	71911	Barracks		36,000	01/2011	10/2012	
				TOTAL	68,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
<p>Installation support for US Army, Europe and Seventh Army (USAREUR), specifically the Southern European Task Force (SETAF) and 173rd Infantry (ABN) Brigade; a trained and ready force capable of rapidly responding and operating jointly in support of US EUCOM theater strategy. Installations serve as bases for projecting power in and out of EUCOM area of responsibility by providing facilities for training, maintaining, housing, and supporting SETAF and the 173rd IN (ABN) BDE. These units provide flexible, scalable joint task force components for use in expeditionary operations as well as mission, installation support, and quality of life organizations required to maintain a trained and ready force overseas.</p>							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Italy Various, Italy

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Camp Ederle Italy (Italy Various)				4.PROJECT TITLE Barracks		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 721	7.PROJECT NUMBER 71911		8.PROJECT COST (\$000) Auth 36,000 Approp 36,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						27,712
Barracks		m2 (SF)	8,539 (91,917)		3,081	(26,307)
Special Foundations		LS	--		--	(515)
Sustainability/Energy Measures		LS	--		--	(512)
Antiterrorism Measures		LS	--		--	(378)
<u>SUPPORTING FACILITIES</u>						4,039
Electric Service		LS	--		--	(184)
Water, Sewer, Gas		LS	--		--	(251)
Steam And/Or Chilled Water Dist		LS	--		--	(482)
Paving, Walks, Curbs & Gutters		LS	--		--	(667)
Storm Drainage		LS	--		--	(137)
Site Imp(1,062) Demo(924)		LS	--		--	(1,986)
Information Systems		LS	--		--	(287)
Antiterrorism Measures		LS	--		--	(45)
ESTIMATED CONTRACT COST						31,751
CONTINGENCY (5.00%)						1,588
SUBTOTAL						33,339
SUPV, INSP & OVERHEAD (6.50%)						2,167
TOTAL REQUEST						35,506
TOTAL REQUEST (ROUNDED)						36,000
INSTALLED EQT-OTHER APPROP						(1,558)
10.Description of Proposed Construction Construct a standard design Barracks. Primary facility includes the barracks, building information systems, Energy Monitoring and Control Systems (EMCS) connection, fire/smoke detection/enunciation/suppression systems, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP)are included to compensate for insufficient setback and provide multi-story, progressive collapse. Sustainability/Energy Measures are required. Special foundations and special construction (radon mitigation, lightning protection and acoustical sound attenuation) are required. Support facilities include site improvements, landscaping, perimeter access road, storm drainage, connection to necessary utility services (electrical, water, sewer, gas, heat and cooling), paving, walks, curbs and gutters and information systems. Heating and air conditioning will be provided by a central system. Comprehensive interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 4 buildings (TOTAL 6,135 m2/66,032 SF). Air Conditioning (Estimated 703 kW/200 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Camp Ederle, Italy (Italy Various)		
4. PROJECT TITLE Barracks	5. PROJECT NUMBER 71911	
11. REQ: 2,709 PN ADQT: 1,516 PN SUBSTD: NONE		
PROJECT: Construct a standard design Barracks at Camp Ederle, Italy. (Current Mission)		
REQUIREMENT: This project is required to provide adequate permanent facilities to support the US Army at Vicenza Italy. Maximum barracks utilization is 230 Soldiers. The intended use is for 160 junior enlisted Soldiers and 35 junior noncommissioned officers.		
CURRENT SITUATION: Adequate existing facilities are not available to support the two battalions stationed on Camp Ederle. Existing facilities do not meet minimum force protection requirements for standoff and progressive collapse for new construction. These facilities do not meet current quality of life standards for Soldiers living in Barracks.		
IMPACT IF NOT PROVIDED: If this project is not provided, Vicenza Military Community will not be able to provide adequate on-post permanent facilities for the Army at Vicenza, Italy. Soldiers assigned to battalions or other units on Camp Ederle will be required to work, train and live in substandard facilities which may adversely affect morale and retention.		
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.		
During the past two years, \$3.3M has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Vicenza installations. Upon completion of this multi-phased project and other projects approved through FY 2013, the remaining unaccompanied enlisted permanent party deficit is 0 personnel at this installation.		
NATO SECURITY INVESTMENT: This project is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible in the foreseeable future.		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Camp Ederle, Italy (Italy Various)

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 71911
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... JAN 2011
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Campbell

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,633
 - (b) All Other Design Costs..... 1,307
 - (c) Total Design Cost..... 2,940
 - (d) Contract..... 1,633
 - (e) In-house..... 1,307

 - (4) Construction Contract Award..... FEB 2013

 - (5) Construction Start..... APR 2013

 - (6) Construction Completion..... APR 2015

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Camp Ederle, Italy (Italy Various)

4. PROJECT TITLE Barracks	5. PROJECT NUMBER 71911
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Info Sys - ISC	OPA	2014	123
Info Sys - PROP	OPA	2014	1,435
		TOTAL	<u>1,558</u>

Installation Engineer:
Phone Number: 003 904-4471-8944

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Vicenza Mil Cmty Italy (Italy Various)				4. PROJECT TITLE Simulations Center		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 172	7. PROJECT NUMBER 64079		8. PROJECT COST (\$000) Auth 32,000 Approp 32,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						25,483
Battle Command Training Center		m2 (SF)	4,365 (46,981)		5,378	(23,473)
Entry Control Facility		m2 (SF)	37.90 (408)		5,929	(225)
Tactical Operation Pads		EA	3 --		84,582	(254)
Sustainability/Energy Measures		LS	--		--	(465)
Building Information Systems		LS	--		--	(1,066)
<u>SUPPORTING FACILITIES</u>						2,694
Electric Service		LS	--		--	(556)
Water, Sewer, Gas		LS	--		--	(115)
Steam And/Or Chilled Water Dist		LS	--		--	(253)
Paving, Walks, Curbs & Gutters		LS	--		--	(336)
Storm Drainage		LS	--		--	(93)
Site Imp(644) Demo()		LS	--		--	(644)
Information Systems		LS	--		--	(682)
Antiterrorism Measures		LS	--		--	(15)
ESTIMATED CONTRACT COST						28,177
CONTINGENCY (5.00%)						1,409
SUBTOTAL						29,586
SUPV, INSP & OVERHEAD (6.50%)						1,923
TOTAL REQUEST						31,509
TOTAL REQUEST (ROUNDED)						32,000
INSTALLED EQT-OTHER APPROP						(1,479)
10. Description of Proposed Construction Construct a standard design Battle Command Training Center. Primary facilities include Battle Command Training Center, entry control facility, tactical operation pads, building information systems, Energy Monitoring and Control System (EMCS) connection, and Intrusion Detection System (IDS) installation. Sustainability/Energy measures will be provided. Supporting facilities include electric service; water, sewer, and gas; paving, walks, curbs and gutters; storm drainage; site improvement; and information systems. Measures in accordance with the Department of Defense (DoD) minimum antiterrorism measures for building standards will be included. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 404 kWr/115 Tons).						
11. REQ:		4,365 m2	ADQT:		NONE	SUBSTD: NONE
PROJECT: Construct a Battle Command Training Center at the Vicenza Military Community, Italy. (Current Mission)						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Vicenza Mil Cnty, Italy (Italy Various)		
4. PROJECT TITLE Simulations Center	5. PROJECT NUMBER 64079	
<p><u>REQUIREMENT:</u> Facility is required to support individual and collective digital training and battle staff training using constructive simulations with command, control, communications, computers and intelligence (C4I) interoperability. This project is required to provide effective training in the command and control of individual as well as combined operations in a simulated tactical environment, incorporating appropriate opposing forces. Facility is required to support several different levels of battle command training for contingency force units and various additional combat, combat support, and combat service support units. Battle simulations and command post exercises are conducted at company, battalion, brigade, division, corps and joint levels. Size and complexity of battle command training using simulations and C4I systems have increased significantly.</p> <p><u>CURRENT SITUATION:</u> Vicenza Military Community does not have a battle command training center to support simulations, instrumentation and C4I systems. Minimum required capabilities of integrating architecture, operational C4I system stimulation, reach capability and training sustainment are not available. The need is not being fully met.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Vicenza will not have adequate battle command training and simulation enhanced facilities for individual and collective digital and battle staff training. The quality of battle command and staff simulation exercises and unit C4I expertise will decline. Essential training and skill development will not be able to keep pace with mission demands.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.</p> <p><u>NATO SECURITY INVESTMENT:</u> This project is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible in the foreseeable future.</p>		

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Vicenza Mil Cmty, Italy (Italy Various)

4. PROJECT TITLE Simulations Center	5. PROJECT NUMBER 64079
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Date Design Started..... SEP 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... JAN 2012
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

 - (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Richardson

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,250
 - (b) All Other Design Costs..... 1,745
 - (c) Total Design Cost..... 2,995
 - (d) Contract.....
 - (e) In-house..... 2,995

 - (4) Construction Contract Award..... JAN 2013
 - (5) Construction Start..... APR 2013
 - (6) Construction Completion..... APR 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
UPS	OPA	2014	500
Info Sys - ISC	OPA	2014	360
Info Sys - PROP	OPA	2014	619
		TOTAL	<u>1,479</u>

Installation Engineer:
Phone Number: DSN (314) 634-8944

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)			NEW/	
-----	-----	AUTHORIZATION	APPROPRIATION	CURRENT	MISSION PAGE
PROJECT	PROJECT TITLE	REQUEST	REQUEST		
NUMBER	-----	-----	-----		-----
-----	-----	-----	-----		-----
Japan	Japan Various (IMCOM)				271
	Sagami				
62663	Vehicle Maintenance Shop	18,000	18,000	C	273
		-----	-----		
	Subtotal Japan Various Part I	\$ 18,000	18,000		
	Okinawa (IMCOM)				277
62783	Satellite Communications Facility	78,000	78,000	C	279
		-----	-----		
	Subtotal Okinawa Part I	\$ 78,000	78,000		
	* TOTAL MCA FOR Japan	\$ 96,000	96,000		

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Japan Various Japan			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.44	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	660	2709	3801	0	0	0	43 221 2047 9,481
B. END FY 2017	683	2649	3879	0	0	0	43 221 1977 9,452
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	1,363 ha		(3,368 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....						4,403,163	
C. AUTHORIZATION NOT YET IN INVENTORY.....						42,800	
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....						18,000	
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....						0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						349,630	
H. GRAND TOTAL.....						4,813,593	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
214	62663	Vehicle Maintenance Shop		18,000	08/2010	10/2012	
				TOTAL	18,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
Maintain bases in Japan to provide supply, maintenance, storage, procurement, transportation engineering, medical and other essential services required to support U. S. Army Japan (USARJ) operational plans with a capability for expansion when needed. It also provides on-post family housing for approximately 1020 families.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Japan Various, Japan

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)

(\$000)

B. WATER POLLUTION

0

C. OCCUPATIONAL SAFETY AND HEALTH

0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Sagami Japan (Japan Various)				4.PROJECT TITLE Vehicle Maintenance Shop		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 214	7.PROJECT NUMBER 62663		8.PROJECT COST (\$000) Auth 18,000 Approp 18,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						12,658
Vehicle Maintenance Shop		m2 (SF)	1,706 (18,360)		3,761	(6,415)
Organizational Vehicle Parking		m2 (SF)	12,365 (133,092)		151.50	(1,873)
Vehicle Wash Facility		m2 (SF)	649.11 (6,987)		3,905	(2,535)
Organization Storage		m2 (SF)	331.66 (3,570)		1,591	(528)
POL Storage Building		m2 (SF)	22.30 (240)		2,727	(61)
Total from Continuation page						(1,246)
<u>SUPPORTING FACILITIES</u>						3,233
Electric Service		LS	--		--	(751)
Water, Sewer, Gas		LS	--		--	(203)
Paving, Walks, Curbs & Gutters		LS	--		--	(806)
Storm Drainage		LS	--		--	(320)
Site Imp(1,067) Demo()		LS	--		--	(1,067)
Information Systems		LS	--		--	(33)
Antiterrorism Measures		LS	--		--	(53)
ESTIMATED CONTRACT COST						15,891
CONTINGENCY (5.00%)						795
SUBTOTAL						16,686
SUPV, INSP & OVERHEAD (6.50%)						1,085
TOTAL REQUEST						17,771
TOTAL REQUEST (ROUNDED)						18,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a Vehicle Maintenance Shop. Primary facilities include a Vehicle Maintenance Shop, Organizational Vehicle Parking, Petroleum Oils and Lubricants (POL) Storage Building, Vehicle Wash Facility, Organizational Storage, hazardous waste storage, building information systems, fire protection and alarm systems, mass notification system, Intrusion Detection System (IDS) installation, and Energy Monitoring and Control Systems (EMCS) connection. Sustainability/Energy measures will be provided. Special foundations are required. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage, and oil/water separator. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Heating and air conditioning will be provided by self contained units. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 211 kW/60 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Sagami, Japan (Japan Various)

4. PROJECT TITLE Vehicle Maintenance Shop	5. PROJECT NUMBER 62663
--	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Hazardous Waste Storage	m2 (SF)	22.30 (240)	2,727	(61)
Special Foundation	LS	--	--	(995)
Sustainability/Energy Measures	LS	--	--	(190)
			Total	1,246

11. REQ: 1,706 m2 ADQT: NONE SUBSTD: 1,131 m2
PROJECT: Construct a Vehicle Maintenance Shop at Sagami General Depot, Japan.
(Current Mission)

REQUIREMENT: This project is required to provide a Vehicle Maintenance Shop for both field and sustainment level of maintenance for tactical vehicles assigned to Corps and Sustainment Support Battalion (CSSB) units stationed at Sagami General Depot, Japan.

CURRENT SITUATION: There are no adequate facilities available at Sagami General Depot or adjacent Camp Zama U.S. Army Japan (USARJ) capable of performing this mission requirement. The new facility will be located in the same general vicinity as mission and training facilities.

IMPACT IF NOT PROVIDED: If this facility is not provided, deployed units will not have a vehicle maintenance shop to adequately maintain and store equipment and vehicles. This will adversely affect training and mission and will have a negative impact on combat readiness.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Sagami, Japan (Japan Various)

4. PROJECT TITLE Vehicle Maintenance Shop	5. PROJECT NUMBER 62663
--	--------------------------------

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started..... AUG 2010
 - (b) Percent Complete As Of January 2012..... 35.00
 - (c) Date 35% Designed..... DEC 2010
 - (d) Date Design Complete..... OCT 2012
 - (e) Parametric Cost Estimating Used to Develop Costs YES
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Most Recently Used:
Fort Campbell

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 957
 - (b) All Other Design Costs..... -319
 - (c) Total Design Cost..... 638
 - (d) Contract.....
 - (e) In-house..... 638

- (4) Construction Contract Award..... JAN 2013
- (5) Construction Start..... APR 2013
- (6) Construction Completion..... OCT 2014

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
	NA		

Installation Engineer:
Phone Number: 315-263-3374

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Okinawa Japan			4. COMMAND US Army Installation Management Command			5. AREA CONSTRUCTION COST INDEX 1.44	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS			SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011	660	2709	3801	0	0	0	43 221 2047 9,481
B. END FY 2017	683	2649	3879	0	0	0	43 221 1977 9,452
7. INVENTORY DATA (\$000)							
A. TOTAL AREA.....	1,363 ha		(3,368 AC)				
B. INVENTORY TOTAL AS OF 12 JAN 2012.....						4,403,163	
C. AUTHORIZATION NOT YET IN INVENTORY.....						0	
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....						78,000	
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....						0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						253,523	
H. GRAND TOTAL.....						4,734,686	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
131	62783	Satellite Communications Facility		78,000	09/2009	10/2013	
				TOTAL	78,000		
9. FUTURE PROJECT APPROPRIATIONS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 2014 PROGRAM: NONE							
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE							
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):				N/A			
10. MISSION OR MAJOR FUNCTIONS:							
<p>Installation supports US Army, Pacific and Japan, a trained and ready force capable of rapidly responding and operating jointly in support of USPACOM theater strategy. Installation serves as base to provide supply, maintenance, storage, procurement, transportation, engineering, medical, other essential services, subordinate and supporting units/organizations to support US Army Japan operational plans with a capability for expansion when needed. These units consist of combat support, combat service support tactical units as well as theater, mission, installation support, and quality of life organizations required to maintain a trained and ready force overseas.</p>							

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Okinawa, Japan

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Okinawa Japan				4.PROJECT TITLE Satellite Communications Facility		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 131	7.PROJECT NUMBER 62783		8.PROJECT COST (\$000) Auth 78,000 Approp 78,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						53,752
SATCOM and TCF Facility		m2 (SF)	3,980 (	42,840)	6,303	(25,087)
DOIM Facility		m2 (SF)	4,075 (	43,860)	4,024	(16,395)
Battalion HQs w/ Classrooms		m2 (SF)	1,327 (	14,280)	3,896	(5,168)
Standby Generator		EA	3	--	273,172	(820)
Special Foundations		LS	--	--	--	(2,962)
Total from Continuation page						(3,320)
<u>SUPPORTING FACILITIES</u>						13,060
Electric Service		LS	--	--	--	(3,921)
Water, Sewer, Gas		LS	--	--	--	(535)
Paving, Walks, Curbs & Gutters		LS	--	--	--	(1,653)
Storm Drainage		LS	--	--	--	(1,261)
Site Imp(1,988) Demo(2,487)		LS	--	--	--	(4,475)
Information Systems		LS	--	--	--	(887)
Antiterrorism Measures		LS	--	--	--	(328)
ESTIMATED CONTRACT COST						66,812
CONTINGENCY (5.00%)						3,341
SUBTOTAL						70,153
SUPV, INSP & OVERHEAD (6.50%)						4,560
DESIGN/BUILD - DESIGN COST						2,806
TOTAL REQUEST						77,519
TOTAL REQUEST (ROUNDED)						78,000
INSTALLED EQT-OTHER APPROP						(5,681)
10.Description of Proposed Construction Construct a Consolidated Strategic Satellite Communications Earth Station (SATCOM) and Technical Control Facility (TCF) at Fort Buckner and Tori Station. Primary facilities include the SATCOM/TCF Facility, a standard design small Battalion Headquarters with classrooms, administration space, building information systems, standby generator, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included to allow separation of occupied facilities in a constrained site. Other features include space for operations and maintenance, secure training, library, secure conference area, storage area, loading docks, and antenna operating sites with cable trenches. Redundant power and air conditioning is included. Special foundations are required. All facilities will include fire protection, Energy Monitoring and Control System (EMCS) connection, and Intrusion Detection System (IDS) installation. Sustainability/Energy measures will be included. Supporting facilities include utilities, comprehensive site work and information systems. Air conditioning will be provided by a self contained system. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average,						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Okinawa, Japan

4. PROJECT TITLE Satellite Communications Facility	5. PROJECT NUMBER 62783
---	--------------------------------

9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
IDS Installation	LS	--	--	(13)
EMCS Connection	LS	--	--	(128)
Sustainability/Energy Measures	LS	--	--	(915)
Antiterrorism Measures	LS	--	--	(916)
Building Information Systems	LS	--	--	(1,348)
			Total	3,320

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Demolish 3 buildings (TOTAL 5,012 m2/53,954 SF). Air Conditioning (Estimated 1,055 kW/300 Tons).

11. REQ: 19,695 m2 ADQT: 6,011 m2 SUBSTD: 6,893 m2

PROJECT: Construct SATCOM/TCF facilities in Okinawa, Japan. (Current Mission)

REQUIREMENT: This project is required to replace the existing SATCOM/TCF facility. It will accommodate the latest state-of-the-art communications equipment; provide battalion headquarters for supporting missions displaced from the current SATCOM/TCF facility; and provide a new information systems facility displaced from the SATCOM terminal. This will improve the supporting infrastructure for this SATCOM/TCF complex in support of Joint Chiefs of Staff command, control, communications, and intelligence requirements for the Far East Area of Responsibility. The SATCOM facility must operate 7 days-a-week, 24 hours a day with high reliability provided by back-up systems. The project will provide a new earth terminal for both legacy equipment and new wideband equipment for critical communications supporting worldwide military missions and commercial satellite communications. The facility and mission are not expected to move under any of the relocation initiatives or negotiations with the Government of Japan.

CURRENT SITUATION: The initial mission was assigned in the 1960's. As new missions were assigned and more electronic equipment with exterior antennas were installed, available space has been consumed, and existing mission areas have deteriorated. This growth is directly related to the changing world conditions and expanding requirements for wideband satellite communications. Within the past two years, the satellite communications mission and requirements have increased exponentially and will continue to expand as new strategic and tactical requirements are identified and approved. This mission is currently performed in a 45-year-old hardened concrete structure, too small to support the new systems equipment. The building's mechanical systems are generally in fair condition but not energy efficient. Floor space to house the

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Okinawa, Japan

4. PROJECT TITLE Satellite Communications Facility	5. PROJECT NUMBER 62783
---	--------------------------------

CURRENT SITUATION: (CONTINUED)
 additional missions, equipment racks, and other functions is insufficient.
IMPACT IF NOT PROVIDED: If this facility is not replaced, the Army's portion of the worldwide satellite communications network may be compromised. This may result in the inability to provide complete and continuous command, control, communications, and intelligence information. Communications with the Joint Chiefs of Staff may be vulnerable. The inability to expand and support existing and future communications requirements will adversely impact the field commander's capability to reach-back. The existing aged facility infrastructure and supporting equipment will make the Army's satellite communication portion of the Global Information Grid operationally unreliable. The performance of the satellite communications missions at this site will be adversely impacted over time.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Date Design Started.....	SEP 2009
(b) Percent Complete As Of January 2012.....	15.00
(c) Date 35% Designed.....	JAN 2013
(d) Date Design Complete.....	OCT 2013
(e) Parametric Cost Estimating Used to Develop Costs	YES
(f) Type of Design Contract: Design-build	
(2) Basis:	
(a) Standard or Definitive Design: NO	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	1,300
(b) All Other Design Costs.....	2,100
(c) Total Design Cost.....	3,400
(d) Contract.....	2,300

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Okinawa, Japan

4. PROJECT TITLE Satellite Communications Facility	5. PROJECT NUMBER 62783
---	--------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(e) In-house.....	1,100
(4) Construction Contract Award.....	JAN 2013
(5) Construction Start.....	APR 2013
(6) Construction Completion.....	OCT 2015

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
UPS - SATCOM	OPA	2015	2,383
UPS - DOIM	OPA	2013	953
Info Sys - ISC	OPA	2014	2,327
Info Sys - PROP	OPA	2014	18
		TOTAL	5,681

Installation Engineer:
Phone Number: 644-4402

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	NEW/		
----- PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT
NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION PAGE
-----	-----	-----	-----	-----
Korea	Korea Various (IMCOM)			285
	Camp Humphreys			
76196	Battalion Headquarters Complex	45,000	45,000	C 287
		-----	-----	
	Subtotal Korea Various Part I	\$ 45,000	45,000	
	* TOTAL MCA FOR Korea	\$ 45,000	45,000	
	** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 209,000	209,000	

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1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM						2. DATE 06 FEB 2012				
3. INSTALLATION AND LOCATION Korea Various Korea			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 1.06				
6. PERSONNEL STRENGTH:											
		PERMANENT			STUDENTS			SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 NOV 2011		2986	14888	10318	0	87	0	1254	5492	9045	44,070
B. END FY 2017		2980	15333	9574	0	70	0	1262	5510	7638	42,367
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....				7,890 ha						(19,497 AC)	
B. INVENTORY TOTAL AS OF 12 JAN 2012.....											9,503,231
C. AUTHORIZATION NOT YET IN INVENTORY.....											1,093,825
D. AUTHORIZATION REQUESTED IN THE FY 2013 PROGRAM.....											45,000
E. AUTHORIZATION INCLUDED IN THE FY 2014 PROGRAM.....											0
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....											0
G. REMAINING DEFICIENCY.....											2,957,021
H. GRAND TOTAL.....											13,599,077
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2013 PROGRAM:											
CATEGORY PROJECT				PROJECT TITLE		COST		DESIGN STATUS			
CODE	NUMBER			PROJECT TITLE		(\$000)		START	COMPLETE		
141	76196			Battalion Headquarters Complex		45,000		10/2010	10/2012		
						TOTAL		45,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY				PROJECT TITLE		COST					
CODE			PROJECT TITLE		(\$000)						
A. INCLUDED IN THE FY 2014 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Eighth United States Army (EUSA) exercises command and control of all assigned units. Organizes, equips, trains, and employs forces to ensure optimum readiness for combat operations. Maintains a posture of combat readiness to deter any attack upon the Republic of Korea (ROK) and if deterrence fails, conduct sustained Army, joint, and combined military operations to defeat the enemy. Provides logistical and administrative support for forces, including Headquarters, United Nations Command (HQ UNC), in order to fulfill the operational requirements of ROK-US CFC and USFK.											

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROGRAM	2. DATE 06 FEB 2012
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INSTALLATION AND LOCATION: Korea Various, Korea

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Camp Humphreys Korea (Korea Various)				4.PROJECT TITLE Battalion Headquarters Complex		
5.PROGRAM ELEMENT 22096A		6.CATEGORY CODE 141	7.PROJECT NUMBER 76196		8.PROJECT COST (\$000) Auth 45,000 Approp 45,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						21,795
Company Operations Facilities		m2 (SF)	4,463 (48,036)		1,863	(8,313)
Covered Hardstand		m2 (SF)	743.04 (7,998)		524.52	(390)
Battalion Headquarters		m2 (SF)	1,554 (16,728)		2,555	(3,971)
Vehicle Maintenance Shop		m2 (SF)	1,706 (18,360)		2,530	(4,315)
Organizational Vehicle Parking		m2 (SY)	17,800 (21,289)		94.75	(1,687)
Total from Continuation page						(3,119)
<u>SUPPORTING FACILITIES</u>						18,007
Electric Service		LS	--		--	(792)
Water, Sewer, Gas		LS	--		--	(543)
Paving, Walks, Curbs & Gutters		LS	--		--	(1,016)
Storm Drainage		LS	--		--	(1,632)
Site Imp(13,619) Demo()		LS	--		--	(13,619)
Information Systems		LS	--		--	(66)
Antiterrorism Measures		LS	--		--	(339)
ESTIMATED CONTRACT COST						39,802
CONTINGENCY (5.00%)						1,990
SUBTOTAL						41,792
SUPV, INSP & OVERHEAD (6.50%)						2,716
TOTAL REQUEST						44,508
TOTAL REQUEST (ROUNDED)						45,000
INSTALLED EQT-OTHER APPROP						()
10.Description of Proposed Construction Construct a standard design Battalion Headquarters Complex. Primary facilities include a standard design Battalion Headquarters with classrooms, Company Operations Facility with covered hardstand, Vehicle Maintenance Shop, organizational vehicle parking, organizational storage, oil storage, and hazardous waste storage. Sustainability/Energy Measures will be provided. The facilities will include installation of Intrusion Detection System (IDS), Building Information System, special foundations, connection of the Energy Monitoring and Control System (EMCS) and fire/smoke detection and suppression systems. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping, signage and oil water separator. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 1,512 kW/430 Tons).						

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Camp Humphreys, Korea (Korea Various)

4. PROJECT TITLE Battalion Headquarters Complex	5. PROJECT NUMBER 76196
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9. COST ESTIMATES (CONTINUED)

Item	UM (M/E)	QUANTITY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Organizational Storage	m2 (SF)	929.03 (10,000)	959.06	(891)
POL Storage Building	m2 (SF)	43.20 (465)	1,689	(73)
Hazardous Waste Storage	m2 (SF)	43.20 (465)	1,689	(73)
Special Foundations	LS	--	--	(1,750)
Sustainability/Energy Measures	LS	--	--	(332)
			Total	3,119

11. REQ: 53,044 m2 ADQT: 32,916 m2 SUBSTD: NONE
PROJECT: Construct a Battalion Headquarters Complex at Camp Humphreys, Korea. (Current Mission)
REQUIREMENT: This project provides a standard design battalion headquarters complex for Soldiers forward deployed at Camp Humphreys in support of international agreements and global defense posture within the Pacific theater.
CURRENT SITUATION: Adequate permanent facilities are not available at Camp Humphreys. All existing headquarters, operations and maintenance facilities are fully utilized.
IMPACT IF NOT PROVIDED: Soldiers will not have adequate operations and maintenance facilities at Camp Humphreys, adversely impacting training and equipment readiness.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders. This project is located on an installation which will be retained by Eighth United States Army for the foreseeable future. The possibility of Host Nation funding has been addressed but sufficient funds from the Host Nation programs are not available to support this requirement.

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
3. INSTALLATION AND LOCATION Camp Humphreys, Korea (Korea Various)		
4. PROJECT TITLE Battalion Headquarters Complex	5. PROJECT NUMBER 76196	
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Date Design Started.....		<u>OCT 2010</u>
(b) Percent Complete As Of January 2012.....		<u>30.00</u>
(c) Date 35% Designed.....		<u>JAN 2012</u>
(d) Date Design Complete.....		<u>OCT 2012</u>
(e) Parametric Cost Estimating Used to Develop Costs		<u>YES</u>
(f) Type of Design Contract: Design-bid-build		
(2) Basis:		
(a) Standard or Definitive Design: YES		
(b) Where Most Recently Used: Camp Humphreys		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>2,073</u>
(b) All Other Design Costs.....		<u>1,659</u>
(c) Total Design Cost.....		<u>3,732</u>
(d) Contract.....		<u>2,073</u>
(e) In-house.....		<u>1,659</u>
(4) Construction Contract Award.....		
		<u>FEB 2013</u>
(5) Construction Start.....		
		<u>APR 2013</u>
(6) Construction Completion.....		
		<u>APR 2015</u>

1. COMPONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 06 FEB 2012
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3. INSTALLATION AND LOCATION

Camp Humphreys, Korea (Korea Various)

4. PROJECT TITLE Battalion Headquarters Complex	5. PROJECT NUMBER 76196
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12. SUPPLEMENTAL DATA: (CONTINUED)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer:
Phone Number: 011 82-31-690-3023

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2013
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
----- PROJECT	-----	REQUEST	REQUEST	PAGE
NUMBER	PROJECT TITLE	-----	-----	-----
-----	-----	-----	-----	-----
Worldwide Various	Planning and Design (PLNGDES)			
	Planning and Design Host Nation			
66744	Host Nation Support FY 13	0	34,000	293
66746	Planning and Design FY13	0	65,173	295
		-----	-----	
	Subtotal Planning and Design Part I	\$ 0	99,173	
	Minor Construction (MINOR)			
66748	Minor Construction FY 13	0	25,000	297
		-----	-----	
	Subtotal Minor Construction Part I	\$ 0	25,000	
	* TOTAL MCA FOR Worldwide Various	\$ 0	124,173	
	** TOTAL WORLDWIDE FOR MCA	\$ 0	124,173	
	MILITARY CONSTRUCTION (Part I) TOTAL	\$ 1,799,150	1,923,323	

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1.COMONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2.DATE 06 FEB 2012	
3.INSTALLATION AND LOCATION Planning and Design Host Nation Worldwide Various (Planning and Design)				4.PROJECT TITLE Host Nation Support FY 13		
5.PROGRAM ELEMENT 91211A		6.CATEGORY CODE 964	7.PROJECT NUMBER 66744		8.PROJECT COST (\$000) Auth Approp 34,000	
9.COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Planning & Design - Host Nation		LS	--		--	34,000 (34,000)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						34,000
CONTINGENCY (.00 %)						0
SUBTOTAL						34,000
SUPV, INSP & OVERHEAD (.00 %)						0
TOTAL REQUEST						34,000
TOTAL REQUEST (ROUNDED)						34,000
INSTALLED EQT-OTHER APPROP						(0)
10.Description of Proposed Construction This item provides for criteria development, and design and construction surveillance for projects funded by foreign nations where US Forces are the sole or primary user.						
11. REQ: NA ADQT: NA SUBSTD: NA						
PROJECT: Planning and design funds.						
REQUIREMENT: This funding is required to represent US interests during the planning, design, and construction of projects funded by foreign governments, when US Forces are sole or primary users. The Host Nation Support funds are required to assure that the facilities provided conform to the Services' operation and mission needs, and to US life safety criteria. The Army is the executive agent for the Department of Defense for Host Nation Construction in the Pacific. The programs provide nearly all the new construction in Japan, and much of the new construction in Korea. Host Nation Support funds are also used to oversee projects in Europe and NATO funds recoupment. The US Army Corps of Engineers is responsible for providing the criteria, reviewing designs, and monitoring the construction. The three parts of the Host Nation Support effort are: Criteria Package Preparation (defines the functional requirements and specifies the health, fire, operational, functional, and life safety needs); Design Surveillance (ensures compliance with criteria packages,						

1.COMONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
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3.INSTALLATION AND LOCATION

Planning and Design Host Nation, Worldwide Various (Planning and Design)

4.PROJECT TITLE Host Nation Support FY 13	5.PROJECT NUMBER 66744
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REQUIREMENT: (CONTINUED)
efficient operation and maintenance, and life safety, fire protection, and environmental compliance); Construction Surveillance (ensures conformance to design documents, reviews submittals, monitors construction phasing for users, and protects against latent deficiencies).

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design FY13		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 961	7. PROJECT NUMBER 66746		8. PROJECT COST (\$000) Auth Approp 65,173	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY Planning & Design		LS	--		--	65,173 (65,173)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						65,173
CONTINGENCY (.00 %)						0
SUBTOTAL						65,173
SUPV, INSP & OVERHEAD (.00 %)						0
TOTAL REQUEST						65,173
TOTAL REQUEST (ROUNDED)						65,173
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for: parametric, concept, and final design of major and unspecified minor construction projects; value engineering; and the development of standards and criteria for Army facilities in conjunction with the Navy and Air Force.						
11. REQ: NA ADQT: NA SUBSTD: NA						
PROJECT: Planning and design funds.						
REQUIREMENT: This funding is required to provide design and engineering services for regular Military Construction, Army (MCA) and Unspecified Minor projects, including value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the US Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds include an estimated nineteen million dollars in support of Arlington National Cemetery. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2013 program; for advancement to final design of projects in FY 2014 and for initiation of						

1. COMPONENT ARMY		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 06 FEB 2012	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various				4. PROJECT TITLE Minor Construction FY 13		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 962	7. PROJECT NUMBER 66748		8. PROJECT COST (\$000) Auth Approp 25,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Minor Construction Facilities		LS	--		--	25,000 (25,000)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						25,000
CONTINGENCY (.00 %)						0
SUBTOTAL						25,000
SUPV, INSP & OVERHEAD (.00 %)						0
TOTAL REQUEST						25,000
TOTAL REQUEST (ROUNDED)						25,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Unspecified minor construction projects which have a funded cost of \$2,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805. The funded cost limit is \$3,000,000 if the project is intended solely to correct a deficiency that is life threatening, health threatening, or safety threatening. The funded cost limit is \$4,000,000 if the project is intended solely for the revitalization and recapitalization ("Laboratory Revitalization") of laboratories under the jurisdiction of the Army. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance.						
11. REQ:		NA	ADQT:		NA	SUBSTD: NA
PROJECT: Minor military construction, worldwide.						
REQUIREMENT: This line item is needed to provide for unspecified minor projects for which the need cannot reasonably be foreseen.						
CURRENT SITUATION: These unspecified projects address high national priorities such as critical mission requirements, environmental protection, laboratory revitalization, health, and safety.						

1.COMONENT ARMY	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 06 FEB 2012
3.INSTALLATION AND LOCATION Minor Construction, Worldwide Various		
4.PROJECT TITLE Minor Construction FY 13	5.PROJECT NUMBER 66748	
<p>IMPACT IF NOT PROVIDED: If not provided, the Army will not be able to address unspecified minor construction requirements that arise during the year.</p>		